BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION, AT MUMBAI

CASE NO._____ OF 2026

AND IN THE MATTER OF:

Raigad Power Transmission Limited **…Petitioner/Applicant**

VERSUS

Maharashtra State Electricity Transmission Co. Ltd. &Ors. **…Respondents**

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Date: 03.10.2026

BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION, AT MUMBAI

CASE NO._____ OF 2026

IN THE MATTER OF:

Application under Sections 14, 15 and 86 (1)(d) of the Electricity Act, 2003 read with Regulation 4 of the Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 for the grant of transmission license for establishment of the intra-State transmission system forming part of the "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" on Build, Own, Operate and Transfer (BOOT) basis, and to provide transmission service, developed through Tariff Based Competitive Bidding.

AND IN THE MATTER OF:

Raigad Power Transmission Limited
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Corporate Office at 7th Floor, FULCRUM, Sahar Road, Andheri (East), Mumbai – 400099, India **…Petitioner/Applicant**

VERSUS

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...Respondents

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Place: New Delhi

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BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION, AT MUMBAI

CASE NO. _____OF 2026

IN THE MATTER OF:

Application under Sections 14, 15 and 86(1)(d) of the Electricity Act, 2003 read with Regulation 4 of the Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 for the grant of transmission license for establishment of the intra-State transmission system forming part of the "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" on Build, Own, Operate and Transfer (BOOT) basis, and to provide transmission service, developed through Tariff Based Competitive Bidding.

AND IN THE MATTER OF:

Raigad Power Transmission Limited

…Petitioner/Applicant

Versus

Maharashtra State Electricity Transmission Co. Ltd. & Ors. …Respondents

APPLICATION UNDER SECTIONS 14, 15 AND 86(1)(d) OF THE ELECTRICITY ACT, 2003, READ WITH REGULATION 4 OF THE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION (TRANSMISSION LICENCE CONDITIONS) REGULATIONS, 2004 FOR GRANT OF TRANSMISSION LICENCE

MOST RESPECTFULLY SHOWETH:

I. CONSPECTUS

1. The present Application is being filed by Raigad Power Transmission Limited ("**RPTL**" / "**Applicant**" / "**Petitioner**") under Sections 14, 15 and 86(1)(d) of the Electricity Act, 2003 ("**Electricity Act**") read with the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004 ("**Transmission Licence Regulations**") seeking grant of a Transmission Licence to the Petitioner for implementation of intra-State transmission system forming part of the "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" ("**Project**") under Tariff Based Competitive Bidding under Section 63 of the Electricity Act on a Build, Own, Operate and Transfer ("**BOOT**") basis.

2. The details regarding the Project for which the present transmission licence is sought and Scheduled Commercial Operation Date ("**SCOD**") are set out as below:

Sl. No.	***Name of the Transmission Element***	***Scheduled COD***	***Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project***	***Element(s) which are pre required for declaring the commercial operation (COD) of the respective Element***
1	*Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level.* • *765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit)* • *240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit)* • *400/220 kV, 500 MVA, ICT – 2 Nos.*	*24 months from Effective Date*	*100%*	*All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.*

	• *125 MVAR ,420 kV Bus reactor–1 No* • *765 kV ICT bays –3 Nos.* • *400 kV ICT bays –5 Nos.* • *765 kV line bays –4 Nos.* • *400 kV line bays – 4 Nos.* • *765 kV Bus reactor Bay– 1 No.* • *400 kV Bus reactor bay– 1 No.* • *220 kV ICT bays – 2 Nos.* • *220 kV line bays – 2 Nos.* • *220 kV Transfer Bus Coupler- 1 set* • *220 kV Bus Coupler-1 No* ***Future space Provisions:*** • *765/400 kV, 1500 MVA, ICT -1 No* • *400/220 kV, 500 MVA, ICT -1 No* • *765 kV line bays- 4 Nos.* • *400 kV line bays – 4 Nos* • *220 kV line bays – 2 Nos*			
2	*LILO on 765 kV D/C line from Satara (Proposed) to*			

	Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3	*LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon*			
4	*220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)* • *220 kV GIS line bays at 220 kV Kandalgaon (Existing)– 2 Nos.*			

Note:

1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation)

    a. *220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)*

2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters.

3. The above Project was envisaged and approved in the 8th Meeting of the Empowered Committee for execution of transmission projects under the Tariff Based Competitive Bidding ("**TBCB**") framework held on 08.07.2025. Pursuant thereto, the Government of Maharashtra ("**GoM**") appointed PFC Consulting Limited ("**PFCCL**"/ "**Respondent No. 3**") as the Bid Process Coordinator ("**BPC**") for the implementation on the Project by way of Government Resolution No. Sankar-0125/P.R.32/Urja- 4 dated 03.10.2025.

4. Notably the Project has been planned for facilitating the reliable supply of power to and evacuation of power generated from the Potential Pumped Storage Plants ("**PSPs**") in Raigad District of Maharashtra and facilitating evacuation of power generated from the PSPs towards the load centre of Mumbai.

5. Further, PFCCL, in its capacity as the duly appointed BPC, issued the Request for Proposal dated 04.11.2025 ("**RfP**") inviting bids for development of the Project through the TBCB process in accordance with the TBCB Guidelines and the Guidelines for Encouraging Competition in Development of Transmission Projects issued by the Ministry of Power ("**MoP**") under Section 63 of the Electricity Act, as amended from time to time.

6. In terms of the RfP, the Project was to be implemented through a Special Purpose Vehicle ("**SPV**") structure. Accordingly, the Petitioner was incorporated by PFCCL as the SPV for the purpose of implementation of the Project, and bidders were required to acquire 100% of the equity shareholding of the Petitioner, together with all its assets and liabilities, and to undertake the development, financing, construction, operation and maintenance of the Project.

7. Pursuant to the bidding process conducted by PFCCL in accordance with the RfP, including the e-reverse auction held on 03.07.2026, Apraava Energy Private Limited ("**AEPL**") emerged as the Successful Bidder for the Project, having quoted the lowest levelised Annual Transmission Charges of Rs. 3261.89 million per annum and was accordingly issued a Letter of Intent dated 13.08.2026 ("**LoI**") by PFCCL.

8. In accordance with the RfP and the LoI, the Petitioner, which had been incorporated by PFCCL as the SPV for implementation of the Project, was to be transferred to the Successful Bidder i.e., AEPL in the present case.

9. Accordingly, on 28.09.2026, PFCCL, AEPL and the Petitioner executed the Share Purchase Agreement ("**SPA**") pursuant to which 100% of the equity shareholding of the Petitioner stood transferred to AEPL. In addition, the Transmission Service Agreement dated 28.09.2026 ("**TSA**") was signed between the Petitioner and STU, pursuant to which the Petitioner became the duly appointed Transmission Service Provider ("**TSP**") for the Project.

10. Further, Clause 2.15.4 of the RfP required that, upon completion of the acquisition of the Petitioner by the Successful Bidder under the SPA, the Petitioner, as the duly appointed TSP, is required to apply to this Hon'ble Commission for grant of a Transmission Licence within five (05) working days.

11. The present Application is therefore being filed strictly in compliance with the said contractual and statutory requirement.

II. DESCRIPTION OF THE PARTIES

12. The Applicant/Petitioner, i.e., RPTL, is a company incorporated under the Companies Act, 2013 as a SPV under the TBCB framework for the exclusive purpose of development, construction, ownership, operation and transfer of the Project, forming part of the intra-State transmission system for strengthening the transmission network in Maharashtra, inter-connecting the ISTS and InSTS networks, facilitating the reliable supply of power to and evacuation of power generated from the PSPs in Raigad District of Maharashtra, and facilitating evacuation of power generated from the PSPs towards the load centre of Mumbai.

13. Respondent No. 1, Maharashtra State Electricity Transmission Co. Ltd. ("**MSETCL**"), is a Government of Maharashtra undertaking incorporated on 31.05.2005 and is a transmission licensee under the provisions of the Electricity Act.

14. Respondent No. 2, State Transmission Utility, Maharashtra ("**MSTU**") is the STU under Section 39 of the Electricity Act. As the STU, the Respondent No. 2 is responsible, *inter alia*, for planning, development and coordination of the intra-State transmission system and is also the Nodal Agency for the Project under the RfP and the TSA.

15. Respondent No. 3, PFCCL, was incorporated on March 25, 2008, as a wholly owned subsidiary of Power Finance Corporation Limited (PFC), a Schedule-A, Maha-Ratna Public Sector Enterprise. PFCCL was appointed by the GoM *vide* Government Resolution No. Sankar-0125/P.R.32/Urja- 4 dated 03.10.2025 as the BPC for selection of the TSP for the development of the Project through the TBCB process.

16. Respondent Nos. 4 to 22 are the Long Term Transmission Customers ("LTTC's") of the Project, being the beneficiaries of the Project

III. JURISDICTION

17. This Hon'ble Commission has jurisdiction to entertain and decide the present Petition since the Project constitutes an intra-State transmission system located within the State of Maharashtra, and all beneficiaries of the Project are also situated within the territorial jurisdiction of this Hon'ble Commission.

18. Under Sections 14 and 86(1)(d) of the Electricity Act, this Hon'ble Commission is the Appropriate Commission empowered to grant licences to entities seeking to act as intra-State transmission licensees in Maharashtra, and the present Application has been filed in accordance with Section 15 of the Electricity Act.

19. The Project is intended to strengthen the transmission network in Maharashtra, facilitate interconnection of the ISTS and InSTS networks, and enable evacuation of power from PSPs towards the load centre of Mumbai, and accordingly falls within the statutory functions of this Hon'ble Commission under Section 30 of the Electricity Act.

20. In addition, this Hon'ble Commission exercises jurisdiction over the present Application under the Transmission Licence Regulations, which govern the manner, form and procedure for grant of transmission licences.

21. Accordingly, the present Petition is maintainable before this Hon'ble Commission under the Electricity Act read with the Transmission Licence Regulations.

IV. FACTUAL BACKGROUND

22. On 08.07.2025, 8th meeting of the Empowered Committee for execution of transmission projects under the TBCB framework, approved, *inter-alia*, the Project namely "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)".

23. Pursuant thereto, on 03.10.2025, the GoM, *vide* Government Resolution No. Sankar-0125/P.R.32/Urja- 4, authorised implementation of the Project through the TBCB framework and appointed PFCCL as the BPC for, *inter alia*, the Project.

    Copy of the said GoM Decision dated 03.10.2025 is annexed herewith and marked as **ANNEXURE P/1.**

24. Further, on 04.11.2025, in accordance with the GoM Decision, PFCCL issued the RfP, together with the Global Invitation and advertisements, for selection of the TSP for establishment of the Project through the TBCB process. Under the RfP, the successful bidder was required to acquire 100% of the equity shareholding of the Petitioner, being the SPV incorporated for the Project.

    Copies of the of RfP dated 04.11.2025 along with its amendments, clarifications and the Global Invitation and advertisements are annexed herewith and marked as **ANNEXURE P/2 (Colly.)**.

25. Furthermore, PFCCL on 10.11.2025, in its capacity as the duly appointed BPC, formally informed this Hon'ble Commission of the initiation of the TBCB process for selection of the TSP for the Project, by issuance of a Global Invitation in national and international newspapers in terms of Clause 4.2 of the TBCB Guidelines. PFFCL also forwarded to the Hon'ble Commission a copy of the RfP Notification and the RfP document for the Project for information and record.

Copy of the letter dated 10.11.2025 issued by PFCCL to the Hon'ble Commission enclosing the RfP Notification and RfP is annexed herewith and marked as **ANNEXURE P/3**.

26. On the same date i.e. 10.11.2025, PFCCL also formally informed MSETCL, being the STU, that the TBCB process for the Project had been initiated by issuance of the Global Invitation and RfP. PFFCL forwarded to MSETCL the RfP Notification and the complete RfP document for its information, coordination and further necessary action in relation to the State transmission network.

Copy of the letter dated 10.11.2025 issued by PFCCL to the MSETCL enclosing the RfP Notification and RfP is annexed herewith and marked as **ANNEXURE P/4**.

27. Thereafter, on 17.11.2025, the Petitioner company was incorporated under the Companies Act 2013 to initiate the activities for execution of the Project and subsequently to act as TSP.

Copy of the Certificate of Incorporation of RPTL is annexed herewith and marked as **ANNEXURE P/5**.

28. Further, bidding process was conducted by PFCCL and the AEPL emerged as Successful bidder. The following were the final timelines for the bidding process:

Date	Event
17.06.2026	Submission of technical Bid and Financial Bid – Initial Offer by the AEPL.
03.07.2026	Electronic Reverse Auction (e-RA) was conducted by PFCCL wherein AEPL submitted its Financial Bid-Final Offer.
13.08.2026	Issuance of LOI to AEPL.
28.09.2026	Signing of TSA and SPA.

29. At this stage, it is relevant to highlight that the Petitioner (the then wholly owned by PFCCL), on 27.11.2025, by way of its letter to the Additional Chief Secretary (Energy), GoM, sought for administrative approval under Section 68 of the Electricity Act for laying of the transmission line under the Project, in compliance with Clause 1.6.2.1 of the RfP. Notably, the Industries, Energy, Labour and Mining Department of the GoM by way of its Order dated 11.03.2026 bearing No. Sankirna-2026/Pr.Kr.03/Urja-4

accorded its approval under Section 68 of the Electricity Act for laying of overhead transmission line.

Copies of the letter dated 27.11.2025 seeking approval under Section 68 along with approval granted under Section 68 dated 11.03.2026 of the Electricity Act are annexed herewith and marked as **ANNEXURE P/6** (**Colly.**).

30. As highlighted hereinabove, AEPL, on 17.06.2026, submitted its technical and Financial Bid-Initial Offer in response of the RfP issued by PFCCL. Subsequently, on 03.07.2026, PFCCL conducted the e-RA in accordance with the RfP and the TBCB Guidelines, pursuant to which AEPL emerged as the Successful Bidder having quoted the lowest Annual Transmission Charges of Rs. 3261.89 million per annum.

31. Accordingly, after completion of the e-RA and verification of the bid documents submitted by AEPL, the Bid Evaluation Committee ("**BEC**") constituted by the MSETCL by way of its letter dated 12.12.2025, evaluated the bids in accordance with the TBCB Guidelines and the RfP; and consequently, issued its certificate dated 07.07.2026 certifying that AEPL has emerged as the successful bidder with the lowest Quoted Transmission Charges of Rs. 3261.89 million per annum.

Copies of MSETCL's letter dated 12.12.2025 and Bid Evaluation Committee certificate dated 07.07.2026 are annexed herewith and marked as **ANNEXURE P/7 (Colly.)**.

32. Further, upon completion of the e-RA and evaluation of bids in accordance with the RfP, PFCCL on 13.08.2026 issued the LoI to AEPL, declaring it as the Successful Bidder for the Project under Clause 3.6.1 of the RfP, with the Quoted Annual Transmission Charges of Rs. 3261.89 million per annum.

Copy of the LoI dated 13.08.2026 issued by PFCCL to AEPL is annexed herewith and marked as **ANNEXURE P/8**.

33. Thereafter, on 31.08.2026, PFCCL, *vide* letter to the MoP, Government of India, sought approval to transfer the shared held by PFCCL on the Petitioner Company to AEPL. In the said letter, it was stated that the acquisition price for transfer of the Petitioner was Rs. 7,40,55,693/- (Rupees Seven Crore Forty Lakh Fifty-Five Thousand Six Hundred Ninety-Three only). Subsequently, on 14.09.2026, the MoP, Government of India, accorded its approval for the transfer of Petitioner Company to AEPL.

Copies of the letter dated 31.08.2026 and approval dated 14.09.2026 is annexed herewith and marked as **ANNEXURE P/9** (**Colly.**).

34. Further, on 25.09.2026, PFCCL *vide* its letter apprised AEPL that the SPV (i.e., the Petitioner Company) will be transferred on 28.09.2026; and extended the last date for completion of the activities under Clause 2.15.2 of the RfP from 24.08.2026 (being 10 days from the date of issuance of the LoI) to 08.10.2026.

Copy of the letter dated 25.09.2026 is annexed herewith and marked as **ANNEXURE P/10**.

35. Subsequently, PFCCL, AEPL and the Petitioner executed the SPA dated 28.09.2026. In terms thereof 100% of the equity shareholding of the Petitioner stood transferred to AEPL. In addition, the Petitioner and STU executed the TSA dated 28.09.2026 setting out the terms and condition towards the development and operation of the Project.

Copies of the SPA and TSA dated 28.09.2026 are annexed herewith and marked as **ANNEXURE P/11(Colly.)**.

V. GROUNDS

A. Compliance with statutory framework under the Electricity Act

36. The Petitioner submits that it is fully entitled, both in law and on facts, to be granted a transmission licence under Sections 14 and 15 of the Electricity Act. The Petitioner is the SPV incorporated exclusively for implementation of the Project and has been selected as the TSP pursuant to a TBCB process conducted under Section 63 of the Electricity Act, which has been adopted by the GoM for development of the Project.

37. Section 14 of the Electricity Act contemplates that a transmission licence shall be granted to any person who is duly authorised to establish, operate and maintain a transmission system. In the present case, the Petitioner derives its authority directly from the outcome of a statutorily governed competitive bidding process, conducted under Section 63 of the Electricity Act and implemented through the GoM decision dated 03.10.2025. The Petitioner is therefore not merely an applicant, but the selected entity vested with the responsibility to execute the Project.

38. Further, Section 86(1)(d) of the Electricity Act vests this Hon’ble Commission with exclusive jurisdiction to grant licences for intra-State transmission systems within Maharashtra. The Project, being an intra-State transmission corridor located within Maharashtra, squarely falls within the territorial and subject-matter jurisdiction of this Hon’ble Commission.

B. Compliance with Tariff Based Competitive Bidding (TBCB) framework

39. The Project has been awarded strictly in accordance with the TBCB Guidelines issued by the MoP under Section 63 of the Act, pursuant to a transparent and competitive bidding process conducted by PFCCL, the duly notified Bid Process Coordinator under the GoM Decision dated 03.10.2025.

40. The entire bidding process, including issuance of the RfP dated 04.11.2025, amendments and clarifications thereto, conduct of e-reverse auction on 03.07.2026, declaration of AEPL as the successful bidder by the BEC *vide* its certificate dated 07.07.2026, and issuance of the LoI dated 13.08.2026, was carried out strictly in accordance with the RfP and the applicable TBCB Guidelines.

41. In accordance with Clause 1.5 of the RfP, the Petitioner SPV i.e., RPTL was acquired by AEPL pursuant to execution of the SPA dated 28.09.2026 and the TSA was simultaneously executed, thereby vesting all rights, obligations and project implementation responsibilities in the Petitioner as the TSP.

C. Compliance with MERC (Transmission Licence Conditions) Regulations, 2004

42. Regulation 4 of the Transmission Licence Regulations requires that an application for grant of transmission licence be made in Schedule-I (Form I) and be accompanied by the prescribed documents and information. The present Application has been filed strictly in the said format.

Copy of the duly completed Schedule-I (Form-I), together with all enclosures thereto, is annexed herewith and marked as **ANNEXURE P/12**.

43. The said Schedule-I (*ANNEXURE 12*) encloses and certifies all information and documents required under the Regulations, including the project maps and layouts, technical description of the transmission system, corporate documents of the Applicant, financial and promoter details, and proof of payment of licence processing fee. Accordingly, the Petitioner has fully complied with Regulation 4 read with Schedule-I of the Transmission Licence Regulations.

44. The Petitioner has also complied with Regulations 5 and 6 of the said Regulations by furnishing all documents, maps, information on financial projections, technical details, project information and bidding records necessary for scrutiny and public notice of the Application.

45. The licence sought is required to be issued in the format prescribed in Schedule-II of the Transmission Licence Regulations, and the Petitioner undertakes to comply with all general and specific licence conditions specified therein.

Copy of the duly completed Schedule-II is annexed herewith and marked as **ANNEXURE P/13.**

46. Further, the Petitioner as per Regulation 6 of the Transmission Licence Regulations, have prepared a draft public notice for grant of transmission licence.

Copy of the draft Public Notice to be issued is annexed herewith and marked as **ANNEXURE P/14**.

D. The Petitioner is a fit and proper entity to hold the licence

47. The Petitioner is a project-specific SPV, fully owned and controlled by AEPL, a leading integrated power utility with extensive experience in transmission, distribution and generation projects across India.

48. The financial, technical and managerial capability of AEPL has already been evaluated and accepted by PFCCL during the TBCB process and therefore stands conclusively established for the purposes of grant of licence.

49. The Project is intended to strengthen the transmission network in Maharashtra, facilitate reliable supply of power to and evacuation of power generated from the PSPs in Raigad District and facilitate evacuation of such power towards the load centre of Mumbai.

50. Grant of the transmission licence will enable timely execution of the Project and is therefore squarely in public interest, grid security, and the objectives of the Electricity Act.

51. In accordance with Section 15(3) of the Electricity Act, a copy of the present Application is being simultaneously served upon the MSETCL, being the STU, for its comments and recommendations. A copy of the present Application is also being served upon PFCCL, the BPC, to enable it to place on record its confirmation in respect of the TBCB process undertaken for the Project.

52. In accordance with Regulation 5 and Regulation 6 of the MERC (Transmission Licence Conditions) Regulations, 2004, the Application along with annexures and enclosures has been hosted on the website of the Applicant i.e., www.apraava.com to facilitate access to the Application by any person through the internet.

53. The Applicant will publish the requisite Notices in the newspapers as per the Transmission Licence Regulations and after publication of the same, the Applicant shall place a copy of the said publications before this Hon'ble Commission.

54. In view the above, it is humbly submitted that the Applicant/Petitioner fulfils the eligibility criteria for grant of transmission licence as stipulated in Section 14 and 15 of the Electricity Act and the Transmission Licence Regulations and therefore this Hon'ble Commission may kindly grant the prayers, as prayed for.

55. The present Application is filed *bona fide* and in the interest of justice.

VI. PRAYERS

56. In light of the facts and circumstances set out above, the Petitioner most respectfully prays that this Hon'ble Commission may be pleased to:

(a) Grant a Transmission Licence under Sections 14 and 15 of the Electricity Act, 2003 in favour of the Applicant, Raigad Power Transmission Limited, to build, own, operate and transfer of the "*Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)*", being the intra-State transmission system, in accordance with the Request for Proposal dated 04.11.2025 and the Transmission Service Agreement and Share Purchase Agreement executed on 28.09.2026 and;

(b) Take on record and approve the acquisition of 100% equity shareholding of the Applicant by Apraava Energy Private Limited pursuant to the Share Purchase Agreement dated 28.09.2026, and recognise the Applicant as the duly appointed Transmission Service Provider for the Project under the Tariff Based Competitive Bidding framework; and;

(c) Direct issuance of the Transmission Licence in the form prescribed under Schedule-II of the Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004, subject to the general and specific conditions contained therein; and/or

(d) Condone any minor, inadvertent or procedural defects or omissions, if any, in the present Application and permit the Applicant to place on record such additional documents, information or clarifications as this Hon'ble Commission may require from time to time in the interest of justice; and

Pass such other and further orders as this Hon'ble Commission may deem fit in the interests of justice, equity, and good conscience

COUNSEL FOR PETITIONER

PETITIONER / RAIGAD POWER TRANSMISSION LIMITED

THROUGH

PLA Advocates
B-42, (West Wing), First Floor
Panchsheel Enclave. New Delhi-110017
Ph. No.: +91-11-45549494
Mob. No.: +91-9871012051
Email id: aniket.prasoon@plalegal.com

Place: Mumbai
Date: 01.10.2026

BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY COMMISSION AT MUMBAI

Filing No._____

Case No._____

IN THE MATTER OF:

Application under Sections 14, 15 and 86 (1)(d) of the Electricity Act. 2003 read with Regulation 4 of the Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 for the grant of transmission license for establishment of the intra-State transmission system forming part of the "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" on Build, Own, Operate and Transfer (BOOT) basis, and to provide transmission service, developed through Tariff Based Competitive Bidding.

AND IN THE MATTER OF:

Raigad Power Transmission Limited **...Petitioner/Applicant**

VERSUS

Maharashtra State Electricity Transmission Co. Ltd. &Ors. **...Respondents**

Affidavit verifying the Petition

I, Nabeel Saleem, S/o. Late Mr. T.B. Salim, aged about 49 years, R/o. 301, Pacific Heights, Road No. 4, Off Sherly Rajan Road, Rizvi Complex Bandra West-400050, presently at Mumbai, do hereby solemnly affirm and state as under:

1. That I am the Authorised Representative of the Petitioner i.e., Raigad Power Transmission Limited in the above matter and I am duly authorised and competent to make this affidavit.

2. The statements made are based on information derived from the official records of the Petitioner.

3. I say that there are no proceedings pending in any court of law /tribunal or arbitrator or any other authority, wherein the Petitioner is a party and where issues arising and/ or reliefs sought are identical or similar to the issues arising in the matter pending before the Commission.

DEPONENT

NOTARY BRAJESH C YADAV Greater Mumbai Reg. No. 10049 Exp. On 29/09/2028 GOVT. OF INDIA

RAIGAD POWER TRANSMISSION LTD.

VERIFICATION

Verified at Mumbai on this 1st day of October,2026, that the contents of my above noted affidavit are true and correct to my knowledge and no part of it is false and nothing material has been concealed therefrom.

DEPONENT

Identified before me

Place: Mumbai

Date: 01.10.2026

RAIGAD POWER TRANSMISSION LTD.

BEFORE ME
01/10/26
BRAJESH C. YADAV
ADVOCATE & NOTARY
GOVT. OF INDIA
Flat No. 505, Bldg. No.21-G, Laxmi C.H.S.
Sangharsh Nagar, Chandivali Farm Road,
Anderi (E), Mumbai - 400 072.

NOTARY B. C. Yadav Gr. Mumbai Maharashtra Regn. No. 10049 GOVERNMENT OF INDIA

Reg. No.:	02
Sr. No.:	2182/2026
DATE :	01/10/2026

NOTARY BRAJESH C YADAV Greater Mumbai Reg. No. 10049 Exp. On 29/09/2028 GOVT. OF INDIA

NOTARIAL NOTARIAL NOTARIAL NOTARIAL

Annexure P/1

राज्यात नवीन पारेषण प्रकल्प उभारणीसाठी वीजदरावर आधारित स्पर्धात्मक निविदा प्रक्रिया राबविण्यासाठी निविदा प्रक्रिया समन्वयक Bid Process Coordinator (BPC) नियुक्त करण्याबाबत.

महाराष्ट्र शासन

शासन निर्णय क्रमांक :संकीर्ण-०१२५/प्र.क्र.३२/ऊर्जा-४,

उद्योग, ऊर्जा , कामगार व खनिकर्म विभाग,

मादाम कामा रोड, हुतात्मा राजगुरु चौक,

मंत्रालय , मुंबई-४०० ०३२

दिनांक: ०३ ऑक्टोबर, २०२५

वाचा :

१) शासन निर्णय क्र. संकीर्ण-२०१८/प्र. क्र.२१४/ऊर्जा-४ दिनांक ०४.०१.२०१९

२) म.रा.वि.पा.कं.मर्या./सां.का./५२४० दिनांक- १३.०८.२०२४

३) शासन निर्णय क्र. संकीर्ण २०१८/प्र. क्र. २१४/ऊर्जा-४ दिनांक २१.०८.२०२४

४) MSETCL/CO/STU/TBCB/५७४७ dtd. २३.०८.२०२४

५) MSETCL/CO/STU/TBCB/५७४८ dtd. २३.०८.२०२४

६) MSETCL/CO/CE/STU-TBCB/EC/6th/६७१३ dtd. २७.०९.२०२४

७) MSETCL/CO/CE/STU-TBCB/EC/6th/८५१८ dtd. १२.१२.२०२४

८) MSETCL/CO/CE/STU-TBCB/EC/6th/००३२ dtd. ०१.०१.२०२५

९) MSETCL/CO/CE/STU-TBCB/EC/6th/०५१२ dtd. १७.०१.२०२५

१०) शासन निर्णय क्र. संकीर्ण-०१२५/प्र. क्र.३२/ऊर्जा-४ दिनांक १२.०२.२०२५

११) MSETCL/CO/CE/STU-TBCB/EC/7th/१८४१ dtd. ०६.०३.२०२५

१२) MSETCL/CO/CE/STU/३६० dtd. २१.०३.२०२५.

१३) MSETCL/CO/CE/STU/९९२ dtd. २१.०८.२०२५.

प्रस्तावना :-

राज्यातील पारेषण प्रकल्प उभारणीसाठी वीजदरावर आधारित स्पर्धात्मक निविदा प्रक्रिया (Tariff Based Competitive Bidding-TBCB) राबविण्याबाबत शासन निर्णय दिनांक ०४.०१.२०१९ अन्वये अधिकार प्राप्त समिती (Empowered committee) गठीत करण्यात आली आहे.

सदर समितीची आठवी बैठक दि.०८.०७.२०२५ रोजी पार पडली. सदर बैठकीत ०७ प्रकल्पांकरीता निविदा प्रक्रिया समन्वयक (Bid Process Co-coordinator (BPC) नियुक्तीबाबत चर्चा झाली. त्यानुसार ०७ प्रकल्पांकरीता निविदा प्रक्रिया समन्वयक (Bid Process Coordinator) नियुक्ती करण्याची बाब शासनाच्या विचाराधीन होती.

शासन निर्णय : -

राज्यात नवीन पारेषण प्रकल्प उभारणीसाठी वीज दरावर आधारित स्पर्धात्मक निविदा प्रक्रिया राबविण्यासाठी अधिकार प्राप्त समितीने (Empowered committee) आठव्या बैठकीत

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पुढील सात प्रकल्पांकरीता अनुक्रमे १) मेसर्स पीएफसी कन्सल्टिंग लि. (PFCCL) व २) मेसर्स आरईसी पॉवर डेव्हलपमेंट आणि कन्सल्टिंग लि. (RECPDCL) यांना निविदा प्रक्रिया समन्वयक (Bid Process Coordinator) म्हणून केलेल्या नियुक्तीस शासनाची मान्यता देण्यात येत आहे.

Project-1 Establishment of 765 kV AIS Balsane (Dist. Nashik)

Sr. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of AIS Balsane with 2 x 1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level	2 x 1500 MVA, 765/400 kV ICTs 765 kV, 240 MVAr Bus Reactor -1 No	M/s. REC Power Development & Consultancy Ltd. (RECPDCL)
2	Establishment of 4 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	4 x 500 MVA, 400/220 kV ICTs 400 kV, 125 MVAr Bus Reactor -1 No	
3	LILO of 765 kV D/C line from Dhule (BDTCL) to Khandwa PS at 765 kV AIS Balsane	40 km	
4	400 kV D/C line from 765 kV AIS Balsane to 400 kV Malegaon (Proposed)	150 km	
5	LILO on 400 kV D/C line from Dhule (MSETCL) to Sardar Sarovar SSP (Gujarat) at 765 kV AIS Balsane	20 km	
6	220 kV D/C line from 765 kV AIS Balsane to 220 kV Shivajinagar with HPC conductor (600 MW each)	28 km	
7	220 kV D/C line from 765 kV AIS Balsane to 220 kV Vikharan (MAHAGENCO Solar WIP)	12 km	
8	Future Space Provision for 1 x 1500 MVA, 765/400 kV ICT	1 x 1500 MVA, 765/400 kV ICT	
9	Future Space Provision for 765 kV RE Generator end bays- 02 Nos		
10	Future Space provision for 1 x 500 MVA, 400/220 kV ICT	1 x 500 MVA, 400/220 kV ICT	
11	Space Provision for termination of 400 kV D/C line from Dhule PS 400 kV AIS end bays – 02 Nos.		
12	Future Space Provision for 400 kV RE Generator end bays- 04 Nos.		
13	Future Space Provision for 220 kV RE Generator end bays- 06 Nos.		

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Project-2 Establishment of 765/400/220 kV AIS Apta (Dist. Raigad)

Sr. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of AIS Apta with 3 x 1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level	3 x 1500 MVA, 765/400 kV ICTs 765 kV, 240 MVAr Bus Reactor -1 No	M/s. REC Power Development & Consultancy Ltd. (RECPDCL)
2	Establishment of 2 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	2 x 500 MVA, 400/220 kV ICTs 400 kV,125 MVAr Bus Reactor-01 No.	
3	765 kV D/C from 765 kV AIS Apta to 765 kV Mahape (Proposed)	40 km	
4	765 kV D/C from 765 kV AIS Apta to 765 kV South Kalamb (Proposed)	85 km	
5	765 kV D/C from 765 kV AIS Apta to 765 kV Dolvi (Proposed)	30 km	
6	400 kV Spare End bays for Datacenter Load - 08 Nos		
7	220 kV D/C line from 765 kV AIS Apta to 220 kV Apta (Existing)	10 km	
8	Future Space provision for Connectivity to Green Hydrogen Plants at 765 kV level. 765 kV end bays -02 Nos.		
9	Future Space Provision for 1 x 1500 MVA, 765/400 kV ICT	1 x 1500 MVA, 765/400 kV ICT	
10	Future Space Provision for 3 x 500 MVA, 400/220 kV ICT	3 x 500 MVA, 400/220 kV ICT	
11	Future Space Provision for connectivity to Datacenter consumers at 220 kV Level 220 kV end bays – 06 Nos		

Project-3 Establishment of 400/220 kV GIS Ambernath (Dist. Thane)

Sr. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of GIS Ambernath with 4 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	4 x 500 MVA, 400/220 kV ICTs 400 kV ,125 MVAr Bus Reactor-01 No	M/s. REC Power Development & Consultancy Ltd. (RECPDCL)
2	LILO of 400 kV line from Padghe PG to Navi Mumbai (PG) & LILO of 400 kV line from Padghe PG to Kharghar at 400 kV GIS Ambernath	0.5 km	
3	220 kV M/C line (04 Ckts) from 400 kV GIS Ambernath to 220 kV Amazon Dombivli (Proposed)	0.3 km	
4	LILO on 220 kV S/C line from Anandnagar to Palava at 400 kV GIS Ambernath	5 km	

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5	Future Space Provision for 1 x 500 MVA, 400/220 kV ICT	1 x 500 MVA, 400/220 kV ICT	
6	Future Space Provision for connectivity to Datacenter consumers 400 kV end bays- 06 Nos		
7	Future Space Provision for connectivity to Datacenter consumers 220 kV end bays- 06 Nos		

Project-4 Establishment of 220/132/33 kV AIS Musalgaon (Dist. Nashik)

Sr. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of AIS Musalgaon with 2 x 100 MVA, 220/132 kV ICTs	2 x 100 MVA, 220/132 kV ICTs	M/s. REC Power Development & Consultancy Ltd. (RECPDCL)
2	Establishment of 2 x 50 MVA, 220/33 kV Power Transformers	2 x 50 MVA, 220/33 kV Power Transformers	
3	220 kV D/C line from 220 kV AIS Musalgaon to 400 kV Babhaleshwar (existing)	60 km	
4	220 kV D/C line from 220 kV AIS Musalgaon to 220 kV Raymond (existing)	60 km	
5	LILO of 132 kV S/C line from Khaparale to Akole at 220 kV AIS Musalgaon	8.35 km	
6	LILO of 132 kV S/C line from Khaparale to Sangamner at 220 kV AIS Musalgaon	8.35 km	
7	132 kV D/C line from 220 kV AIS Musalgaon to 132 kV Sinner (existing)	12 km	
8	33 kV AIS feeder Bays at 220 kV AIS Musalgaon -08 Nos		
9	Future Space for 220 kV bays at 220 kV AIS Musalgaon-02 Nos.		
10	Future Space for 132 kV bays at 220 kV AIS Musalgaon-02 Nos.		
11	Future Space for 33 kV bays at 220 kV AIS Musalgaon-04 Nos.		

Project-5 Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)

Sl. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of AIS Kandalgaon with 3 x 1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level	3 x 1500 MVA, 765/400 kV ICTs 765 kV, 240 MVAr Bus Reactor -1 No	M/s. PFC Consulting Ltd. (PFCCL)
2	Establishment of 2 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	2 x 500 MVA, 400/220 kV ICTs 400 kV, 125 MVAr Bus Reactor -1 No	

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3	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	55 km	
4	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	20 km	
5	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)	10 km	
6	Future Space Provision for 1 x 1500 MVA, 765/400 kV ICT	1 x 1500 MVA, 765/400 kV ICT	
7	Future Space Provision for 1 x 500 MVA, 400/220 kV ICT	1 x 500 MVA, 400/220 kV ICT	
8	Future Space provision for termination 2 x D/C 765 kV lines from 765 kV Dolvi (Proposed) 765 kV end bays- 04 Nos.		
9	Future Space Provision for connectivity to Pumped Storage Plants (PSP) 400 kV end bays- 04 Nos		
10	Future Space Provision for connectivity to Dighi Port 220 kV end bays – 02 nos.		

Project-6 Establishment of 765/400/220 kV AIS Dolvi (Dist. Raigad)

Sr. No.	**Details of Project**	**Tentative Route Length (km) / Capacity (MVA)**	**Bid Process Coordinator (BPC)**
1	Establishment of AIS Dolvi with 5 x 1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level	5 x 1500 MVA, 765/400 kV ICTs 765 kV, 240 MVAr Bus Reactor -1 No	M/s. PFC Consulting Ltd. (PFCCL)
2	Establishment of 3 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	3 x 500 MVA, 400/220 kV ICTs 400 kV, 125 MVAr Bus Reactor -1 No	
3	765 kV 2 x D/C from 765 kV AIS Dolvi to 765kV AIS Kandalgaon (Proposed)	65 km	
4	LILO on Both circuit of 400 kV D/C line from Padghe to Nagothane at 765 kV AIS Dolvi.	30 km	
5	220 kV D/C line from 765 kV AIS Dolvi to 220 kV Wadkhal (Existing)	0.5 km	
6	LILO on 220 kV D/C line from Apta (Existing) to Uran (Existing) at 765 kV AIS Dolvi.	25 km	
7	Future Space Provision for 1 x 1500 MVA, 765/400 kV ICT bays	1 x 1500 MVA, 765/400 kV ICT	
8	Future Space Provision for 1 x 500 MVA, 400/220 kV ICT bay	1 x 500 MVA, 400/220 kV ICT	
9	Future Space provision for termination of 765 kV D/C line from 765 kV AIS Apta 765 kV end bays-02 Nos		
10	Future Space provision for Connectivity to Green Hydrogen Plants 765 kV end bays -02 Nos		
11	Future Space provision for HVDC to Mumbai 400 kV end bays-04 Nos		
12	Future Space Provision for 220 kV bays- 04 Nos.		

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Project-7 Establishment of 400/220/132 kV AIS Latur (Dist. Latur)

Sr. No.	Details of Project	Tentative Route Length (km) / Capacity (MVA)	Bid Process Coordinator (BPC)
1	Establishment of AIS Latur with 3 x 500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level	3 x 500 MVA, 400/220 kV ICTs 400 kV ,125 MVAr Bus Reactor-01 No	M/s. PFC Consulting Ltd. (PFCCL)
2	Establishment of 3 x 315 MVA, 400/132 kV ICTs	3 x 315 MVA, 400/132 kV ICTs	
3	400 kV D/C line from 400 kV AIS Latur to 400 kV Washi (Proposed)	65 km	
4	220 kV D/C line from 400 kV AIS Latur to 220 kV Harangul (Existing)	35 km	
5	220 kV D/C line from 400 kV AIS Latur to 220 kV Murud (Existing)	20 km	
6	220 kV D/C line from 400kV AIS Latur to 220 kV Vairag (Existing)	60 km	
7	220 kV D/C line from 400 kV AIS Latur to 220 kV Narangwadi (Existing)	40 km	
8	220 kV Connectivity to Solar Generators 220 kV End Bays – 06 nos.		
9	132 kV D/C line from 400 kV AIS Latur to 220 kV Tuljapur(Existing) (250 MW Each)	40 km	
10	132 kV D/C line from 400 kV AIS Latur to 132 kV Ausa (250 MW Each)	30 km	
11	Space Provision for 400 kV Solar Generator end bays- 04 Nos		
12	Future Space Provision for 1 x 500 MVA, 400/220 kV ICT	1 x 500 MVA, 400/220 kV ICT	
13	Future Space Provision for 1 x 315 MVA, 400/132 kV ICT	1 x 315 MVA, 400/132 kV ICT	
14	Future Space Provision for termination 400 kV D/C line from 765 kV Parli (M) (Proposed) 400 kV end bays – 02 Nos.		
15	Space Provision for 220 kV Solar Generator end bays- 06 Nos		
16	Space Provision for 132 kV Solar Generator end bays- 06 Nos		

सदर १) मेसर्स पीएफसी कन्सल्टिंग लि. (PFCCL) व २) मेसर्स आरईसी पॉवर डेव्हलपमेंट आणि कन्सल्टिंग लि. (RECPDCL) हे दोन्ही निविदा प्रक्रिया समन्वयक (Bid Process Coordinator) हे केंद्रशासनाच्या अधिसूचित नमूद आहेत. तसेच सदर निविदा प्रक्रिया समन्वयकांची नियुक्ती या संदर्भात ऊर्जा मंत्रालय, भारत सरकार यांनी वेळोवेळी केलेल्या मार्गदर्शक सूचनांच्या व अटींच्या अधीन राहील.

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सदर शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेताक २०२५१००३१६२४३७२५१० असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने

Digitally signed by UDDHAV RABHAJI DAHIPHALE
Date: 2025.10.03 16:25:42 +05'30'

(उ.र.दहिफळे)
सह सचिव, महाराष्ट्र शासन

प्रत:

१) मा. राज्यपाल यांचे सचिव, राजभवन, मलबार हिल, मुंबई-४०००३५
२) मा. मुख्यमंत्री, महाराष्ट्र राज्य यांचे अपर मुख्य सचिव, मंत्रालय, मुंबई
३) मा.उपमुख्यमंत्री (नगर विकास) यांचे सचिव, मंत्रालय, मुंबई
४) मा. उप मुख्यमंत्री (वित्त व नियोजन), यांचे सचिव, मंत्रालय, मुंबई
५) मा.मंत्री (अपारंपारिक ऊर्जा) यांचे खाजगीसचिव, मंत्रालय, मुंबई
६) मा.राज्यमंत्री (ऊर्जा) यांचे खाजगी सचिव, मंत्रालय, मुंबई
७) मा. मुख्यसचिव, महाराष्ट्र राज्य, मंत्रालय, मुंबई.
८) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य विद्युत पारेषण कंपनी मर्या. प्रकाशगंगा, वांद्रे-कुर्ला संकुल, वांद्रे (पूर्व), मुंबई-४०००५१
९) अप्पर मुख्य सचिव (ऊर्जा), उद्योग, ऊर्जा, कामगार व खनिकर्म विभाग, मंत्रालय, मुंबई
१०) अप्पर मुख्य सचिव, नियोजन विभाग, मंत्रालय, मुंबई
११) अप्पर मुख्य सचिव, वित्त विभाग, मंत्रालय, मुंबई
१२) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य वीज वितरण कंपनी मर्या, प्रकाशगड, वांद्रे (पूर्व), मुंबई-४०००५१
१३) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य वीज निर्मिती कंपनी मर्या, प्रकाशगड, वांद्रे (पूर्व), मुंबई-४०००५१
१४) निवड नस्ती (ऊर्जा-४), उद्योग, ऊर्जा, कामगार व खनिकर्म विभाग, मंत्रालय, मुंबई.

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Annexure P/2
(Colly)

PFC CONSULTING LIMITED

(A wholly owned subsidiary of PFC Limited)
Regd. Office: First Floor, "Urjanidhi", 1, Barakhamba Lane, Connaught Place,
New Delhi – 110001, (India) Fax : 011-23443990

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GLOBAL INVITATION (THROUGH E-BIDDING ONLY)

FOR SELECTION OF TRANSMISSION SERVICE PROVIDER ON BUILD, OWN, OPERATE AND TRANSFER (BOOT) BASIS FOR INTRA-STATE TRANSMISSION PROJECTS IN MAHARASTRA

PFC Consulting Limited, a wholly owned subsidiary of Power Finance Corporation Limited (A Government of India Undertaking), invites proposals for setting up of transmission projects on Build, Own, Operate and Transfer (BOOT) basis following single stage two envelope process of "Request for Proposal" (RFP).

Interested bidders may refer to the RFP notification and RFP documents available on the website **https://www.mstcecommerce.com** and **https://www.pfcclindia.com.**

The Bidders may obtain the RFP documents on all working days between 10:30 hrs (IST) and 16:00 hrs (IST) from 04.11.2025 to one working day prior to bid submission for the project mentioned below on payment of a non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% from 9th Floor, Wing – A, Statesman House, Connaught Place, New Delhi - 110001, Tel.: 91-11-23443996; **e-mail: pfccl.itp@pfcindia.com.** The RFP documents can also be downloaded from **https://www.mstcecommerce.com** and **https://www.pfcclindia.com,** however, in such case, interested party can submit Response to RFP only on submission of non-refundable fee of Rs. 5,00,000/- or USD 7,000 plus applicable GST @18% separately. The survey report and clarification to RFP documents shall be issued to those bidders, who have obtained/ purchased RFP documents by paying requisite fee at least one working day prior to bid submission date. Bidders should regularly visit website to keep themselves updated regarding clarifications/ amendments/ time extensions etc., if any. The important timelines in this regard are as follows:

S. No.	Name of Transmission Scheme	Last Date for seeking clarifications (dd/mm/yyyy)	Last Date for submission of response to RFP (dd/mm/yyyy)	Date of opening of Response to RFP (dd/mm/yyyy)
1.	Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)	24/11/2025	06/01/2026 up to 15:00 hrs (IST)	06/01/2026 at 15:30 hrs (IST)
2.	Establishment of 400/220/132 kV AIS Latur	25/11/2025	07/01/2026 up to 15:00 hrs (IST)	07/01/2026 at 15:30 hrs (IST)

Note: PFC Consulting Limited reserves the right to cancel or modify the process without assigning any reason and without any liability. This is not an offer.

An Initiative of

Government of Maharashtra

Bid Process Coordinator

PFC CONSULTING LTD.

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PFC Consulting Limited

Initiative Partner

State Transmission Utility Maharashtra

पीएफसी कंसल्टिंग लिमिटेड

(पीएफसी लिमिटेड की पूर्ण स्वामित्व वाली सहायक कंपनी)

पंजीकृत कार्यालयः प्रथम तल, 'ऊर्जानिधि', 1, बाराखम्बा लेन, कनॉट प्लेस, नई दिल्ली–110001, भारत फैक्स नं.: 011 23443990

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वैश्विक आमंत्रण (केवल ई–निविदा के माध्यम से)

महाराष्ट्र में अंत: राज्यीय ट्रांसमिशन परियोजना के लिए निर्माण, स्वामित्व, प्रचालन और स्थानांतरण (बूट) आधार पर ट्रांसमिशन सेवा प्रदाता के चयन हेतु

पीएफसी कंसल्टिंग लिमिटेड, पावर फाइनेंस कॉरपोरशन लिमिटेड (भारत सरकार का एक उपक्रम) की पूर्ण स्वामित्व वाली सहायक कंपनी "प्रस्ताव हेतु अनुरोध" (आरएफपी) के एकल चरण दो लिफाफा प्रक्रिया का पालन करते हुए निर्माण, स्वामित्व, प्रचालन एवं स्थानांतरण (बूट) आधार पर पारेषण परियोजनाओं की स्थापना के लिए प्रस्ताव आमंत्रित करता है।

इच्छुक बोलीदाता वेबसाइट **https://www.mstcecommerce.com** और **https://www.pfcclindia.com** पर उपलब्ध आरएफपी अधिसूचना और आरएफपी दस्तावेज देख सकते हैं।

निविदादाता अ–प्रतिदेय शुल्क रु. 5,00,000/– या यूएसडी (यूएस डॉलर) 7,000 प्लस लागू जीएसटी /18 प्रतिशत का भुगतान करके आरएफपी दस्तावेज **04.11.2025 से निम्नलिखित परियोजना के लिए निविदा जमा तिथि से एक कार्यदिवस पूर्व तक सभी कार्यदिवसों में 10:30 बजे (आईएसटी) से 16:00 बजे (आईएसटी)** के बीच 9वां तल, विंग–ए, स्टेट्समैन हाउस, बाराखम्बा रोड, कनॉट प्लेस, नई दिल्ली–110001, फोन न.: 91.11.23443996; फैक्स नं.: 011 23443990 **ई–मेलः pfccl.itp@pfcindia.com** से प्राप्त कर सकते हैं। आरएफपी दस्तावेज **https://www.mstcecommerce.com** तथा **https://www.pfcclindia.com** से भी डाउनलोड किए जा सकते हैं, यद्यपि ऐसे मामले में इच्छुक पार्टियां आरएफपी के उत्तर जमा करते समय अलग से अ–प्रतिदेय शुल्क रु. 5,00,000/– या यूएसडी 7,000 प्लस लागू जीएसटी /18 प्रतिशत जमा कर सकते हैं। सर्वेक्षण रिपोर्ट एवं आरएफपी दस्तावेजों पर स्पष्टीकरण केवल उन निविदादाताओं को जारी किया जाएगा जो निविदा जमा तिथि से न्यूनतम एक कार्यदिवस पूर्व तक किसी भी कार्यदिवस में अपेक्षित शुल्क का भुगतान करके आरएफपी दस्तावेज खरीद/प्राप्त कर चुके हैं। निविदादाता किसी भी स्पष्टीकरण/संशोधन/समय विस्तार आदि, यदि कोई हो, के बारे में नवीनतम जानकारी हेतु वेबसाइट नियमित रूप से देखते रहें। इस संबंध में महत्वपूर्ण समय–सारणी निम्नानुसार हैः

क्र. सं.	पारेषण योजना का नाम	स्पष्टीकरण प्राप्त करने की अंतिम तिथि (दि.दि./मा.मा./व.व.)	आरएफपी के उत्तर जमा करने की अंतिम तिथि (दि.दि./मा.मा./व.व.)	आरएफपी के उत्तर खोलने की तिथि (दि.दि./मा.मा./व.व.)
1.	765/400/220 केवी एआईएस कंदलगांव (जिला रायगड) की स्थापना	24/11/2025	06/01/2026 को 15:00 बजे (आईएसटी) तक	06/01/2026 को 15:30 बजे (आईएसटी) तक
2.	400/220/132 केवी एआईएस लातुर की स्थापना	25/11/2025	07/01/2026 को 15:00 बजे (आईएसटी) तक	07/01/2026 को 15:30 बजे (आईएसटी) तक

नोटः पीएफसी कंसल्टिंग लिमिटेड बिना कोई कारण बताए और बिना कोई जिम्मेदारी लिए निविदा प्रक्रिया का निरस्त या संषोधित करने का अधिकार रखता है। यह कोई प्रस्ताव नहीं है।

पहलकर्ता

महाराष्ट्र सरकार

बोली प्रक्रिया समन्वयक

PFC CONSULTING LTD.

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पीएफसी कसाल्टग लिमटेड

पहल साझेदार

स्टेट ट्रांसमिशन यूटिलिटी महाराष्ट्र

SINGLE STAGE REQUEST FOR PROPOSAL DOCUMENT

FOR

SELECTION OF BIDDER AS TRANSMISSION SERVICE PROVIDER THROUGH TARIFF BASED COMPETITIVE BIDDING PROCESS

TO

ESTABLISH INTRA-STATE TRANSMISSION SYSTEM

FOR

ESTABLISHMENT OF 765/400/220 kV AIS KANDALGAON (DIST. RAIGAD) IN THE STATE OF MAHARASHTRA

ISSUED BY

PFC CONSULTING LTD.
(A wholly owned subsidiary of Power Finance Corporation Ltd.)

Registered Office:
1st Floor, "Urjanidhi", 1, Barakhamba Lane,
Connaught Place, New Delhi-110001

November 04, 2025

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PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Corporate Office:
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001

Request for Proposal Document for selection of Bidder as Transmission Service Provider through tariff based competitive bidding process to establish Intra-State Transmission System for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)**" is issued by PFC Consulting Limited.

This RFP document is issued to -

M/s. _____

_____

_____

_____

_____

Signature: ……
General Manager
PFC Consulting Limited
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001
Email: pfccl.itp@pfcindia.com
Place: New Delhi
Date:

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REQUEST FOR PROPOSAL NOTIFICATION

PFC Consulting Limited
(A wholly owned subsidiary of Power Finance Corporation Limited)

Corporate Office:
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi-110001

1. The Government of Maharashtra vide its Government Resolution No. Sankirna 0125/P.R.32/Urja-4 dated 03.10.2025 has notified PFC Consulting Limited (PFCCL) as Bid Process Coordinator (BPC) for selection of bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)**" through tariff based competitive bidding process.

2. PFC Consulting Limited (PFCCL) (hereinafter referred to as BPC) hereby invites all prospective Bidders for issue of Request for Proposal (RFP) for selection of Bidder as Transmission Service Provider (TSP) on the basis of international competitive bidding in accordance with the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under section – 63 of The Electricity Act, 2003 and as amended from time to time. The responsibility of the TSP would be to establish the following Intra-State Transmission System – "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)**" (hereinafter referred to as 'Project') on build, own, operate & transfer basis and to provide transmission service:

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos.	24 Months

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Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
	• 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos	
Note: Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*) a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing) 1. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters		

3. The TSP shall ensure that design, construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with the provisions of the Transmission Service Agreement and applicable Rules/ Regulations, Orders, Codes and Guidelines issued by the State Government and State Commission and other relevant Orders, Rules/ Regulations of Central Government and Central Commission, as applicable.

4. **Transmission License**: The TSP shall obtain the Transmission License from the State Commission.

5. **Bidding Process:** The Transmission Service Provider shall be selected through tariff based competitive bidding process for the Project based on meeting stipulated Qualification Requirements prescribed in Clause 2.1 of Section 2 of RFP and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. The selection of the TSP shall be subject to it obtaining Transmission License from the State Commission, which, after expiry, may be further extended by such period as deemed

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appropriate by the State Commission under powers vested with it to amend the conditions of the Transmission License.

The entire bidding process shall be conducted on electronic platform created by MSTC Limited.

The Bid shall be a single stage two envelope bid comprising the Technical Bid and the Financial Bid. The Bidders shall submit the Bid online through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. There shall be no physical submission of the Financial Bid.

The Technical Bid shall be opened first and the Financial Bid of only the bidders who have qualified in the Technical Bid shall be opened. The Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order. The Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

6. The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of **…….(Insert the name of SPV),** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

   The **…….(Insert the name of SPV),,** of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

   The TSP shall ensure transfer of all project assets with substation land, right of way and clearances to Maharashtra STU or its successors or an agency as decided by the Government of Maharashtra after 35 years from COD of Project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of Project failing which Government of Maharashtra/Maharashtra STU shall be entitled to take over the project assets Suo moto.

7. **Commencement of Transmission Service**: The Bidder shall have to commence Transmission Service in accordance with the provisions of the Transmission Service Agreement.

8. **Transmission Charges**: The Transmission Charges shall be payable by the Long Term Transmission System Use(s) through Nodal agency in Indian Rupees as per Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024 and as amended from time to time. Bidders shall quote the Transmission Charges as per the pre-specified structure, as mentioned in the RFP.

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9. **Issue of RFP document:** The detailed terms and conditions for qualification and selection of the Transmission Service Provider for the Project and for submission of Bid are indicated in the RFP document. All those interested in purchasing the RFP document may respond in writing to **General Manager, Tel. +91 11 23443912, Email: pfccl.itp@pfcindia.com** at the address given in para 12 below with a non-refundable fee of Rs. 5,00,000/- (Rupees Five Lakh Only) or US$ 7000/- (US Dollars Seven Thousand Only) plus 18% GST, to be paid via electronic transfer to the following Bank Account:

Bank Account Name	**: PFC Consulting Limited**
Account No.	**: 000705036117**
Bank Name	**: ICICI Bank**
IFSC	**: ICIC0000007**
Branch	**: Connaught Place, New Delhi-110001**

Latest by one working day prior to bid submission date. Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director / Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

The RFP document shall be issued to the Bidders on any working day from **04/11/2025 to 05/01/2026** between **10:30 hours (IST) to 16:00 hours (IST)**. The BPC, on written request and against payment of the above mentioned fee by any Bidder shall promptly dispatch the RFP document to such Bidder by registered mail/ air mail. BPC shall, under no circumstances, be held responsible for late delivery or loss of documents so mailed.

10. **Receipt and opening of Bid:** The Bid must be uploaded online through the electronic bidding platform **on or before 15:00 hours (IST) on 06/01/2026** Technical Bid will be opened by the Bid Opening Committee on the same day **at 15:30 hours** (IST) in the office of Chief Engineer (Maharashtra STU), Mumbai, in the online presence of Bidders' representatives who wish to attend. If the Bid Deadline is a public holiday at the place of submission of Bid, it shall be opened on the next working day at the same time and venue. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause 3.2 to 3.4 shall be declared as "Qualified Bidders" and eligible for opening of Initial Offer.

11. The RFP document is not transferable. BPC reserves the right to reject all Bid and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.

12. **Nodal person for enquiries and clarifications**

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All correspondence and clarification in respect of RFP document shall be addressed to:

General Manager
PFC Consulting Limited
9th Floor, A-Wing, Statesman House
Connaught Place, New Delhi - 110001, India
Tel. + 91-11-23443912; Email: pfccl.itp@pfcindia.com

DISCLAIMER

1. This Request for Proposal (RFP) document is not an agreement or offer by the BPC to the prospective Bidders or to any other party. The purpose of this RFP document is to provide interested parties with information to assist the formulation of their Bid. The RFP document is based on material and information available in public domain.

2. This RFP, along with its Annexures, is not transferable and the information contained therein are to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project in accordance with this RFP, this RFP must be kept confidential.

3. While this RFP has been prepared in good faith, neither the BPC nor its employees or advisors/consultants make any representation or warranty expressed or implied as to the accuracy, reliability or completeness of the information contained in this RFP. The Bidders shall satisfy themselves, on receipt of the RFP document, that the RFP document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of this RFP document on or before the date & time mentioned in this RFP, it shall be considered that the issued document, complete in all respects, has been received by the Bidders.

   This bidding process is in accordance with the Bidding Guidelines issued by Ministry of Power, Government of India under Section 63 of the Electricity Act, 2003. Revisions or amendments in these Bidding Guidelines may cause the BPC to modify, amend or supplement this RFP document, including the RFP Project Documents to be in conformance with the Bidding Guidelines.

4. This RFP document includes statements, which reflect various assumptions arrived at by BPC in order to give a reflection of current status in the RFP. These assumptions should not be entirely relied upon by Bidders in making their own assessments. This RFP document does not purport to contain all the information each Bidder may require and may not be appropriate for all persons. It is not possible for BPC to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP document. Certain Bidders may have a better knowledge of the Project than the others. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this RFP document and obtain independent advice from appropriate sources.

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5. Neither BPC nor their employees or consultants make any representation or warranty as to the accuracy, reliability or completeness of the information in this RFP document.

6. Neither BPC, its employees nor its consultants will have any liability to any Bidder or any other person under the law of contract, tort, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this RFP document, any matter deemed to form part of this RFP document, the award of the Project, the information supplied by or on behalf of BPC or its employees, any consultants or otherwise arising in any way from the qualification process for the said Project.

7. By participating in the bidding process, each of the Bidder shall have acknowledged and accepted that it has not been induced to enter into such agreement by any representation or warranty, expressed or implied, or relied upon any such representation or warranty by or on behalf of BPC or any person working in the bidding process.

8. BPC may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement this RFP document. Such updations, amendments or supplements, if any, will however be circulated to the Bidders not later than 15 days prior to the last date for submission of Bid.

9. Each Bidder unconditionally agrees, understands and accepts that the BPC reserves the rights to accept or reject any or all Bids without giving any reason. Neither the BPC nor its advisers shall entertain any claim of any nature, whatsoever, including without limitations, any claim seeking expenses in relation to the preparation of Bids.

10. This RFP may be withdrawn or cancelled by the BPC at any time without assigning any reasons thereof. BPC further reserves the right, at its complete discretion to reject any or all of the Bids without assigning any reasons whatsoever.

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DEFINITIONS

Any capitalized term, used but not defined in this RFP, shall have the meaning ascribed to such term in the RFP Project Documents, or the Bidding Guidelines, in that order. In absence of availability of definitions in the foregoing references, the capitalized terms shall be interpreted in accordance with the Electricity Act 2003, Grid Code or any other relevant electricity law, rule or regulation prevalent in India, as amended or re-enactedfrom time to time, in that order.

The following terms are defined for use in this RFP:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Affiliate" shall mean a company that either directly or indirectly

i) controls or
ii) is controlled by or
iii) is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and "**control**" means ownership by one entity of at least twenty six percent (26%) of the voting rights of the entity. As an illustration a chart is annexed hereto as Annexure – 12;

"Bid" shall mean Technical Bid and Financial Bid (Initial Offer and Final Offer) submitted by the Bidder, in response to this RFP, in accordance with the terms and conditions thereof;

"Bidder" shall mean either a single company (including its permitted successors and legal assigns) or a Consortium of companies (including its permitted successors and legal assigns) submitting a Bid in response to this RFP. Any reference to the Bidder includes Bidding Company, Bidding Consortium/ Consortium, Member in a Bidding Consortium and Lead Member of the Bidding Consortium jointly and severally, as the context may require;

"Bidding Company" shall refer to such single company (including its permitted successors and legal assigns) that has submitted a Bid for the Project;

"Bidding Consortium/ Consortium" shall refer to a group of companies (including their permitted successors and legal assigns) that has collectively submitted a Bid for the Project;

"Bidding Guidelines" shall mean the "Tariff Based Competitive-Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of Electricity Act as amended from time to time;

"Bid Bond" shall mean the unconditional and irrevocable" bank guarantee or unconditional and irrevocable Insurance Surety Bond issued by Insurance Company authorized by Insurance Regulatory and Development Authority of India) or Payment on Order Instrument for **Rs. 21.96 Crore (Rupees Twenty One Crore, Ninety Six Lakh Only)** to be submitted along with the Technical Bid by the Bidder under Clause 2. 11 of this RFP, as per the format prescribed in

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Annexure 14 (for Bank Guarantee) or Annexure 14A (for Insurance Surety Bond) or Annexure 14B (for Payment on Order);

"Bid Deadline" shall mean the last date and time for submission of online Bid in response to this RFP, specified in Clause 2.7.1;

"Bid Evaluation Committee" shall mean the committee constituted by the State Government;

"Bid Process Coordinator or BPC" shall mean a person or its authorized representative as notified by the Government of India, responsible for carrying out the process for selection of Bidder who will acquire Transmission Service Provider;

"CEA" shall mean the Central Electricity Authority constituted under Section - 70 of the Electricity Act;

"Central Commission" or "CERC" shall mean the Central Electricity Regulatory Commission of India constituted under Section-76 of The Electricity Act, 2003 and any successors and assigns;

"Central Government" shall mean the Government of India;

"Conflict of Interest" A Bidder shall be considered to be in a Conflict of Interest with one or more Bidders in the same bidding process if they have a relationship with each other, directly or through a common company, that puts them in a position to have access to information about or influence the Bid of another Bidder.

Provided that if two or more bidders in the bidding process have formed a Joint Venture Company or Consortium to execute another project, the Bidders will not be considered to have Conflict of Interest;

"Commercial Operation Date (COD)" shall mean the date as per Article 6.2 of the Transmission Service Agreement;

"Consents, Clearances, Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and performance of Project including without any limitation on the construction, ownership, operation and maintenance of the transmission lines and/or sub-stations;

"Contract Performance Guarantee" shall have the meaning as per Clause 2.12 of this RFP;

"Contract Year" shall mean the period beginning on the Scheduled COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1and ending on March 31 provided that:

(i) the last Contract Year shall end on the last day of the term of the Transmission ServiceAgreement;

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"CTU/Central Transmission Utility" shall have same meaning as defined in the Electricity Act, 2003;

"Effective Date" shall have the meaning as ascribed thereto in the Transmission Service Agreement;

"Element" shall mean-each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of the Sub-station or switching station or HVDC terminal or inverter station of the Project, including ICTs, Reactors, SVC, FSC, etc. forming part ofthe Intra-State Transmission System which will be owned, operated and maintained by the concerned Licensee, and which may have a separate scheduled COD as per Schedule 2 of the Transmission Service Agreement and may have a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of the Transmission Service Agreement;

"Empowered Committee" shall mean the committee constituted by the State Government;

"Final Offer" shall mean the Quoted Transmission Charges, required to be submitted as part ofthe Financial Bid on the electronic bidding platform during the e-reverse bidding stage. In case,no Final Offer is received during the e-reverse bidding stage then the lowest "Initial Offer" shallbe deemed to be the Final Offer**;**

"Financial Bid" shall mean the Initial Offer and Final Offer, containing the Bidder's Quoted Transmission Charges, as per the format at Annexure – 21 of this RFP**;**

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in Clause **2.1.3** hereof;

"Grid Code" / "IEGC" or **"State Grid Code"** shall mean the Grid Code specified by the Central Commission under clause (h) of sub-section (1) of Section 79 of the Electricity Act and/or the State Grid Code as specified by the concerned State Commission referred under clause (h) of sub-section (1) of Section 86 of the Electricity Act as applicable;

"Infrastructure sector" shall mean such sectors notified by Department of Economic Affairs in its Gazette Notification no. 13/1/2017-INF dated 14th November, 2017 and as amended from time to time;

"Initial Offer" shall mean the Quoted Transmission Charges, required to be submitted as part ofthe Financial Bid on the electronic bidding platform along with the Technical Bid**;**

"Inter State Generating Station" or "ISGS" shall mean a Central / other generating station in which two or more states have shares and whose scheduling is to be coordinated by the Regional Load Dispatch Centre;

"Inter-State Transmission System" shall have same meaning as defined in the Electricity Act, 2003;

"Intra-State Transmission System" shall have same meaning as defined in the Electricity Act, 2003;

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"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least twenty six percent (26%) equity stake in the Project, meets the technical requirement as per Clause 2.1.2 and so designated by other Member(s) in Bidding Consortium;

"Letter of Intent" or "LoI" shall mean the letter to be issued by the BPC to the Bidder, who has been identified as the selected bidder, for award of the Project to such Bidder;

"Long Term Transmission System User" or **"LTTSU"** shall have the meaning as described in Maharashtra Electricity Regulatory Commission (Transmission Open Access) Regulations, 2016 as amended from time to time;

"Member in a Bidding Consortium/Member" shall mean each company in the Bidding Consortium;

"MERC MYT Regulations" shall mean Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024 or as amended from time to time;

"MOP" shall mean the Ministry of Power, Government of India;

"MOEF" shall mean the Ministry of the Environment, Forest and Climate Change, Government of India;

"Nodal Agency" shall mean Maharashtra State Transmission Utility (STU), which shall execute and implement the Transmission Service Agreement (TSA);

"Technical Bid" shall mean the bid submitted online through the electronic bidding platform, containing the documents as listed out in Clause 2.5.2 of this RFP;

"Parent Company" shall mean an entity that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Payment on Order Instrument" shall mean Letter of Undertaking from Indian Renewable Energy Development Agency Limited (IREDA) or Power Finance Corporation Limited (PFC) or REC Limited (REC) [the three non-banking financial institutions under Ministry of New & Renewable Energy (MNRE)/ Ministry of Power (MoP)], to pay in case situation of default of Transmission Service Provider (TSP) in terms of tender conditions/ Power Purchase Agreement (PPA) arises. Such Letter(s) will have same effect as that of a Bank Guarantee issued by any public sector bank, Such "Payment on Order instrument" would have terms and conditions similar to that of any Bank Guarantee given by any public sector bank and would promise to pay the Nodal Agency on demand within stipulated time. TSPs can seek such Letter(s) by offering due security to the above-mentioned three non-banking financial institutions mentioned above (IREDA, PFC & REC). Nodal Agency shall not accept the instrument of 'Letter of Undertaking' as described above or in any other from, from any other non-banking financial institutions or bank, except IREDA, PFC & REC.

"Qualification Requirements" shall mean the qualification requirements as set forth in Section-

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2, Clause 2.1 of this RFP;

"Quoted Transmission Charges" shall mean the quoted single annual Transmission Charges submitted online through the electronic bidding platform by the Bidder as part of its Financial Bid asper the format in Annexure – 21 of this RFP;

"RFP" shall mean Request for Proposal document along with all schedules, formats, annexure and RFP Project Documents attached hereto, issued by BPC for tariff based competitive bidding process for selection of bidder who will acquire the TSP through e-reverse bidding to execute the Project, and shall include any modifications, amendments or alterations or clarifications thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the parties to the respective agreements:

a. Transmission Service Agreement (TSA),
b. Share Purchase Agreement,
c. Any other agreement, as may be required;

"Scheduled COD" shall have the meaning as ascribed hereto in Clause 2.6 of this RFP;

"State Commission" or **"MERC"** shall mean the Maharashtra Electricity Regulatory Commission constituted under Section-82 of The Electricity Act, 2003 and any successors and assigns;

"State Government" shall mean the Government of Maharashtra;

"Statutory Auditor" shall mean the auditor appointed under the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) or under the provisions of any other applicable governing law;

"State Transmission Utility" or **"Maharashtra STU"** shall have same meaning as defined in the Electricity Act, 2003;

"Share Purchase Agreement" shall mean the agreement amongst PFC Consulting Limited, the **……. (Insert the name of SPV),** and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the **…….. (Insert the name of SPV),** for the Acquisition Price,by the Successful Bidder on the terms and conditions as contained therein;

"Successful Bidder" or **"Selected Bidder"** shall mean the Bidder selected pursuant to this RFP toacquire one hundred percent (100%) equity shares of **……. (Insert the name of SPV)**, alongwith all its related assets and liabilities, which will be responsible as the TSP to establish the Projecton build, own, operate and transfer basis as per the terms of the Transmission Service Agreementand other RFP Project Documents;

"Survey Report" shall mean the report containing initial information regarding the Project and other details provided as per the provisions of Clause 1.6.2.1.1 of this RFP;

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"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in Clause 2.1.2 hereof;

"Transmission Charges" shall mean the Final Offer quoted by Selected Bidder and adopted by the State Commission, and as computed in terms of the provisions of Schedule 4 of the TSA, payable to the TSP as per provisions of Transmission Service Agreement, MERC MYT Regulations;

"Transmission License" shall mean the license granted by the State Commission in terms of the relevant regulations for grant of such license issued under the Electricity Act, 2003;

"Transmission Service Agreement" or **"TSA"** shall mean the agreement entered into between Nodal Agency and the TSP, pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project on a commercial basis;

"Transmission Service Provider" or "TSP" shall mean **…….. (Insert the name of SPV),** which has executed the Transmission Service Agreement and which shall be acquired by the Selected Bidder;

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and/or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity.

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SECTION – 1

INTRODUCTION

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SECTION 1

1. INTRODUCTION

1.1 The Government of Maharashtra vide its Government Resolution No. Sankirna 0125/P.R.32/Urja-4 dated 03.10.2025 has appointed PFC Consulting Limited (PFCCL) to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** through tariff based competitive bidding process.

The BPC hereby invites Bids from all prospective Bidders in accordance with this Request for Proposal (RFP) to select prospective Transmission Service Provider (TSP) in accordance with the "Tariff Based Competitive-Bidding Guidelines for TransmissionService" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of the Electricity Act. The BPC shall select the Bidder having the prescribed technical and financial capability to become TSP and be responsible for establishing the Project in the State of Maharashtra. The TSP will make the Project available against payment of Transmission Charges, as adopted by the State Commission, payable to the TSP, as per provisions of Transmission Service Agreement.

1.2 The TSP will be required to establish the following Intra State Transmission System for **Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)** (hereinafter referred to as 'Project') on build, own, operate and transfer basis, and to provide transmission service.

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos.	24 Months

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Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
	• 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos	
Note: Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*) a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing) In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters		

1.3 Project Description

The project has been planned to facilitate reliable power supply to Potential Pumped Storage Plants (PSPs) & and evacuation of Power generated from PSPs (Around 3000 MW) in Raigad District of Maharashtra.
Creation of 765 kV network will strengthen the inter-connection of ISTS and InSTS network in Maharashtra.This will also establish additional 400 kV transmission line & strengthening of the InSTS networks.Evacuation of Pump Storage Plant (PSP's) of 4000 MW towards load center of Mumbai.

The subject Transmission system was deliberated and approved in the 8th meeting of the Empowered Committee held on 08.07.2025. Government of Maharashtra vide Gazette notification dated 03.10.2025 has appointed PFCCL as BPC for implementation of the subject transmission scheme through TBCB route.

1.4 Transmission Grid Map

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Transmission Grid Map indicating the location of the Project is enclosed as Annexure 18 of this RFP for information and reference of the Bidders**.**

1.5 The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of **……. (Insert the name of SPV),** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.

The **…….. (Insert the name of SPV),** of which one hundred percent (100%) equity shares will be acquired by the Selected Bidder, shall be responsible as the TSP, for ensuring that it undertakes ownership, financing, development, design, engineering, procurement, construction, commissioning, operation and maintenance of the Project, and to provide Transmission Service as per the terms of the RFP Project Documents.

The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to STU or its successors or an agency as decided by the Government of Maharashtra after 35 years from COD of Project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of Project failing which Government of Maharashtra/ Maharashtra STU shall be entitled to take over the project assets Suo moto.

1.6 Brief Scope of Work

1.6.1 Scope of Transmission Service Provider

The TSP's scope of work for the Project shall comprise, but not necessarily be limited to the following:

1.6.1.1 Establishment, operation and maintenance of the Project on build, own, operate and transfer basis and completion of all the activities for the Project, including survey, detailed project report formulation, arranging finance, project management, necessary Consents, Clearances and Permits (way leave, environment & forest, civil aviation, railway/ road/ river/ canal/ power crossing/ PTCC, etc.), land compensation, design, engineering, equipment, material, construction, erection, testing & commissioning.

Further, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) for a generation pooling substation and for load serving substations in the scope of TSP :

- For a Generation Pooling Substation shall not be beyond 3 Km radius of the location proposed by the BPC in their Survey Report.
- For Load Serving Substation within the scope of TSP shall not be beyond 5 Km radius of the location proposed by the BPC in their Survey Report.
- For an Intermediate Substation shall not be beyond 10 Km radius of the location proposed by the BPC in their Survey Report.

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1.6.1.2 The TSP shall ensure that design, construction and testing of all equipment, facilities, components and systems of the Project shall be in accordance with Transmission Service Agreement and applicable Rules/ Regulations, Orders, Codes and Guidelines issued by the State Government and State Commission and other relevant Orders, Rules/ Regulations of the Central Government and Central Commission, as applicable.

1.6.1.3 The TSP shall ensure timely completion of entire scope of Project in all respects and its operation and maintenance, as shall be specified in the RFP documents.

1.6.1.4 The TSP shall seek Transmission License from the State Commission, as per the provisions of the Electricity Act and regulations made thereunder.

1.6.1.5 The TSP shall seek approval under Section 164 of Electricity Act, from Government of Maharashtra after acquisition of **(Insert the name of SPV),** The approval shall be granted by Government of Maharashtra.

1.6.1.6 Regarding construction of bays, requirement of internal road, drainage, cable trench, leveling of the bay extension area, Bidder is advised to visit the site and acquaint itself with the provisions/facilities available at substation and the quantum of necessary modification work involved for accommodating the necessary bays in existing substations. These works shall be in the scope of the TSP.

1.6.2 **Scope of Bid Process Coordinator (BPC)**

BPC's scope of work is briefly outlined hereunder:

1.6.2.1 The BPC has initiated development of the Project and shall be responsible for the tasks in this regard as specified hereunder:

i. Provide to the Bidders a Survey Report for the Project at least forty five (45) days prior to the Bid Deadline. The Survey Report shall include the suggested route with approximate route length, type of terrain likely to be encountered and its likely implication in terms of Right of Way (ROW), statutory clearances, location of substations or converter stations and land area to be acquired for the substation or converter station.

ii. To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the State Government at least twenty (20) days prior to Bid Deadline.

iii. To initiate acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations, if required.

iv. To initiate process of seeking forest clearance, if required

v. The BPC shall intimate to the Bidders, the Acquisition Price payable by the Selected Bidder to PFC Consulting Limited for the acquisition of one hundred percent (100%) of the equity shareholding of **(Insert the name of SPV),** along with all its related assets and liabilities at least twenty (20) days prior to the Bid Deadline.

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vi. The BPC shall ensure issuance of all finalized RFP Project Documents, at least fifteen (15) days prior to the Bid Deadline.

Provided that for any delay in meeting the above obligations of the BPC within the specified time period above, the Bid Deadline as per Clause 2.7.1 shall be extended on a day for day basis.

1.6.2.2 The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain Consents, Clearances and Permits.

1.7 All costs (including direct and indirect) incurred by the BPC/ project specific SPV in connection with the activities concerning the Project shall be recovered from the TSP, which shall be included in the Acquisition Price.

1.8 The Project is required to be completed progressively in accordance with the schedule prescribed in this RFP.

1.9 A company under the Companies Act, 2013 by the name **(Insert the name of SPV),** has been incorporated to initiate the activities for execution of the Project. The said company shall be acquired by the successful Bidder as per terms and conditions as may be prescribed in RFP.

1.10 The Ministry of Power and the appropriate state government(s) shall provide their support to the TSP, on best endeavor basis, in enabling the TSP to develop the Project.

1.11 All Bidders are required to submit their Bid in accordance with the instructions set forth in this RFP.

1.12 Once the Successful Bidder is selected, the details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project, shall be handed over to the Successful Bidder on as is where basis, so that it may take further actions to obtain all necessary Consents, Clearances and Permits and the TSP shall not be entitled for any extensions in the Scheduled COD of the Project except as provided for in the TSA.

1.13 The assets of the Project shall be made available on a commercial basis as per the terms and conditions of the Transmission Service Agreement.

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SECTION – 2

INFORMATION AND INSTRUCTIONS FOR BIDDERS

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SECTION – 2

a. INFORMATION AND INSTRUCTIONS FOR BIDDERS

2.1 Qualification Requirements

2.1.1 The Bidder should be a company duly incorporated under the relevant laws (Bidding Company) or a Consortium of companies (Bidding Consortium) with one of the companies acting as the Lead Member of the Bidding Consortium. The Bidder shall be selected on meeting the Qualification Requirements specified in Section 2 of this RFP, as demonstrated by the Bidder's Technical Bid and the lowest Quoted Transmission Charges discovered from Final Offers quoted during the e-reverse bidding. A Bidding Consortium can participate in the bidding process for the Project if any Member of the Consortium has purchased the RFP document for such Project. Bidder who agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No.: P45021/2/2017-PP (BE-II)-Part-4 Vol.II dated 19.07.2024 issued by Ministry of Power for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard, shall be eligible hereunder. Further, it is clarified that Procuring Entity as defined in orders shall deemed to have included Selected Bidder and/ or TSP.

Besides, Department of Expenditure, Ministry of Finance vide OM No. F.7/10/2021-PPD (1) dated 23.02.2023, as amended from time to time, have issued directions regarding public procurement from a bidder of a country, which shares land border with India are also applicable.

2.1.2 **Technical requirement to be met by the Bidding Company or Lead Member of Bidding Consortium**

The Bidder must fulfill any one of the following technical requirements:

Experience of development of projects in the Infrastructure Sector in the last five (5) years with aggregate capital expenditure of not less than **Rs. 1098 Crore (Rupees One Thousand and Ninety Eight Crore Only)** or equivalent USD (calculated as per provisions in Clause 3.4.1**).** However, the capital expenditure of each project shall not be less than **Rs. 219.60 Crore (Rupees Two Hundred and Nineteen Crore and Sixty Lakh Only)** or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, capital expenditure incurred on projects that have been commissioned/completed at least seven (7) days prior to Bid Deadline shall be considered. The capital expenditure discussed above shall be as capitalized and reflected in the audited books of accounts of the Technically Evaluated Entity. In case a clearly identifiable part of a project has been put into commercial operation, the capital expenditure on such part of the project shall be considered. The Technically Evaluated Entity must have either executed such projects itself or must have held directly or indirectly at least twenty six percent (26%) of the shareholding in the company that has executed the project(s) from the date of financial closure of the project(s) till the time of commissioning/completion of such project(s).

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OR

(i) Experience in construction of project in infrastructure sector: The Technically Evaluated Entity should have received aggregate payments not less than **Rs. 1098 Crore (Rupees One Thousand and Ninety Eight Crore Only)** or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. However, the payment received from each project shall not be less than **Rs. 219.60 Crore (Rupees Two Hundred and Nineteen Crore and Sixty Lakh Only)** or equivalent USD (calculated as per provisions in Clause 3.4.1).

For this purpose, payments received on projects that have been commissioned/ completed at least seven (7) days prior to Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity. For the avoidance of doubt, construction works shall not include cost of land, supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project. Further, in cases where different individual contracts are signed between same entities for the same project, the cumulative payments received under such individual contracts shall be considered for meeting the qualification requirement.

The Technically Evaluated Entity may be the Bidding Company or the Lead Member of a Consortium or an Affiliate or Parent of such Bidding Company or the Lead Member, as the case may be.

Bidders shall furnish documentary evidence duly certified by authorized signatory of the Bidder who has been issued Power of Attorney in support of their technical capability as defined in Clause 2.1.2 of this RFP.

2.1.3 **Financial requirement to be met by the Bidding Company/Bidding Consortium**

2.1.3.1 The Bidder must fulfill following financial requirements:

A. Net-worth:

Net-worth should be not less than **Rs. 439.20 Crore (Rupees Four Hundred and Thirty Nine Crore and Twenty Lakh Only)** or equivalent USD (calculated as per provisions in Clause 3.4.1**)** computed as the Net-worth based on unconsolidated audited annual accounts (refer to Note below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Net-worth of any of the last three (3) financial years should not be negative.

Note: Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Technical Bid.

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Bidders shall furnish prescribed Annexure 7 (A) duly certified by authorized signatory of the Bidder who has been issued Power of Attorney and the Statutory Auditor and separate computation sheet for Net-worth duly certified by Statutory Auditor in support of their financial capability as defined in Clause 2.1.3 of this RFP.

2.1.3.2 The Net-worth shall be computed in the following manner by the Bidder:

A. Net-worth

=	Equity share capital
Add:	Reserves
Subtract:	Revaluation Reserves
Subtract:	Intangible Assets
Subtract:	Miscellaneous expenditures to the extent not written off and carry forward losses

2.1.3.3 If the Technical Bid is submitted by a Bidding Consortium the financial requirement shall be met individually and collectively by all the Members in the Bidding Consortium. The financial requirement to be met by each Member of the Bidding Consortium shall be computed in proportion to the equity commitment made by each of them for investment in the Project.

2.1.4 The Bidder may seek qualification on the basis of technical and financial capability of its Parent and/ or its Affiliate(s) for the purpose of meeting the Qualification Requirements. However, in the case of the Bidder being a Consortium, the Lead Member has to meet the technical requirement on its own or by seeking the technical capability of its Parent and/or its Affiliate(s). Authorization for use of such technical or financial capability shall have to be provided from its Parent and/or Affiliate(s) as per Annexure 9. The technical and financial capability of a particular company/ particular project, including its Parents and/or Affiliates, shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium/ Bidding Company. However, development and construction experience of a particular project may be used by more than one company.

The determination of the relationship of Parent or Affiliate with the Bidding Company or with the Member of the Bidding Consortium, including the Lead Member, shall be on the date at the most seven (7) days prior to the last date of submission of the Bid. Documentary evidence to establish such relationship shall be furnished by the Bidder along with the Technical Bid.

If the Technically Evaluated Entity and/or Financially Evaluated Entity is an entity other than the Bidding Company or a Member in a Bidding Consortium, the Bidding Company or Member relying on such Technically Evaluated Entity and/or Financially Evaluated Entity will have to submit a legally binding undertaking supported by a board resolution from the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, that all the equity investment obligations of the Bidding Company or the Member of the Consortium shall be deemed to be equity investment obligations of the Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, and in the event of any default the same shall be met by such evaluated entity or by or the Ultimate Parent Company. The Bidding Company or the Consortium Member shall have to provide information and documents relating to its relationship with such Technically Evaluated Entity and/or Financially

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Evaluated Entity including details about the equity shareholding between them as per Annexure 7(C).

2.1.5 A Bidder shall submit only one Bid in the same bidding process, either individually as Bidding Company or as a Member of a Bidding Consortium (including the Lead Member). It is further clarified that any of the Parent/ Affiliate/Ultimate Parent of the Bidder/ Member in a Bidding Consortium shall not separately participate directly or indirectly in the same bidding process. Further, if any Bidder is having a Conflict of Interest with other Bidders participating in the same bidding process, the Bids of all such Bidders shall be rejected.

2.1.6 Notwithstanding anything stated above, BPC reserves the right to verify the authenticity of the documents submitted for meeting the Qualification Requirements and request for any additional information and documents. BPC reserves the right at its sole discretion to contact the Bidder's bank and project references and verify the Bidder's information and documents for the purpose of bid evaluation.

2.1.7 The Qualified Bidder(s) will be required to continue to maintain compliance with the Qualification Requirements throughout the bidding process and till execution of the Transmission Service Agreement. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the execution of the Transmission Service Agreement. Failure to comply with the aforesaid provisions shall make the Bid liable for rejection at any stage.

2.1.8 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project. Failure to comply with the aforesaid provisions shall be dealt as per provisions of Transmission Service Agreement.

2.1.9 On the Bid Deadline, for the Bidder to be eligible to participate in the bidding process:

a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel should not have been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc or the United Nations or any of its agencies; or

b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors should not have been convicted of any offence in India or abroad.

In case any investigation is pending against the Bidder, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel of the Bidder

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/Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed while submitting the Bid.

The Bidders shall confirm the above though a notarized affidavit as per Annexure 22.

2.2 Submission of Bid by the Bidder

2.2.1 The information and documents in Technical Bid will be submitted by the Bidder as per the formats specified in Section – 4 (Formats for RFP) of this document

2.2.2 Strict adherence to the formats wherever specified, is required. Wherever, information has been sought in specified formats, the Bidder shall refrain from referring to brochures/ pamphlets. Non-adherence to formats and/ or submission of incomplete information may be a ground for declaring the Technical Bid as non-responsive. Each format has to be duly signed and stamped by the authorized signatory of Bidder.

2.2.3 The Technical Bid shall contain unconsolidated/consolidated audited annual accounts (consisting of unabridged Balance Sheet, Profit and Loss Account, profit appropriation account, Auditors Report, etc.), as the case may be, of Bidding Company or each Member in Consortium including Lead Member or the Financially Evaluated Entity for the last three (3) financial years immediately preceding the last date for submission of Bid for the purpose of calculation of Networth.

In case the annual accounts for the financial year immediately preceding the Bid Deadline is not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, the Bidder shall provide the audited annual accounts for the three (3) financial years preceding the financial year as above for which the annual accounts have not been audited.

2.2.4 Bid submitted by a Bidding Consortium:

2.2.4.1 The Technical Bid shall contain a legally enforceable Consortium Agreement entered amongst the Members in the Bidding Consortium, designating one of the Members to be the Lead Member (as per Annexure 6). There shall be only one Lead Member which shall continue to hold twenty six percent (26%) equity in the TSP and cannot be changed upto one (1) year from the Commercial Operation Date (COD) of the Project. Each Member in Bidding Consortium shall duly sign the Consortium Agreement making it liable for raising the required funds for its respective equity investment commitment as specified in the Consortium Agreement. In absence of Consortium Agreement, the Technical Bid will not be considered for evaluation and will be rejected.

Provided that the Lead Member of the Bidding Consortium will be required to be liable to the extent of 100% of the total proposed commitment of equity investment of the Bidding Consortium i.e. for both its own equity contribution as well as the equity contribution of other Members.

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Provided further that the Consortium Agreement shall not be amended without the explicit approval of the BPC.

The Lead Member of the Consortium will be the single point of contact for the purposes of the bid process before the date of signing of Share Purchase Agreement. Settlement of any dispute amongst the Consortium Members shall not be the responsibility of the BPC and/or the Nodal Agency and the BPC and/or the Nodal Agency shall not bear any liability whatsoever on this account.

2.2.4.2 The Lead Member should designate at the most two persons to represent the Consortium in its dealings with the BPC. The person(s) designated by the Lead Member should be authorized through a Power of Attorney (as per Annexure 3) to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical Bid on behalf of the Consortium, etc. The Bidding Consortium shall provide board resolutions from their respective Boards for committing their respective portion of equity requirement for the Project. Additionally, the Lead member shall provide a Board resolution committing to make good any shortfall in the equity for the project, in case of any member not meeting its equity commitment.

2.2.4.3 The Technical Bid should also contain signed Letter of Consent (as per Annexure 2) from each Member in Consortium confirming that the entire Technical and Financial Bids has been reviewed and each element of the Technical and Financial Bids is agreed to by them including investment commitment for the Project.

In addition, the Technical Bid should also contain Board Resolution from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats.

2.2.5 Bid submitted by a Bidding Company

2.2.5.1 The Bidding Company should designate at the most two persons to represent the Bidding Company in its dealings with BPC. The person(s) should be authorized to perform all tasks including, but not limited to providing information, responding to enquiries, signing of Technical and Financial Bids etc. The Bidding Company should submit, along with Technical Bid, a Power of Attorney (as per Annexure 3), authorizing the signatory of the Technical and Financial Bids. The Bidding Company shall submit the board resolution committing 100% of equity requirement for the Project, in the Technical Bid.

2.3 Clarifications & Pre-Bid Meeting

2.3.1 The Bidders may seek clarifications or suggest amendments to the RFP by sending an email to the BPC at the email id indicated in Clause 2.14 within the date and time mentioned in Clause 2.7.2. For any such clarifications or amendments, the Bidders should adhere to the format as per Annexure – 19.

2.3.2 Only those Bidders or their authorized representatives, who have purchased the RFP documents are invited to attend the pre-bid meeting(s), which will take place on date as specified in Clause

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2.7.2, or any such other date as notified by the BPC. The time and address of this would be intimated later.

2.3.3 The purpose of the pre-bid meeting will be to clarify any issues regarding the RFP, including in particular, issues raised in writing by the Bidders as per the provisions of Clause 2.3.1.

2.3.4 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

2.3.5 The BPC is not under any obligation to entertain / respond to suggestions made or to incorporate modifications sought for.

2.3.6 In case Bidders need any further clarifications not involving any amendments in respect of final RFP, they should ensure that request for such clarification is submitted through e-mail to the BPC at least ten (10) days prior to the Bid Deadline as mentioned in Clause 2.7.1. The BPC may issue clarifications only, as per its sole discretion, which is considered reasonable by it. Any such clarification issued shall be sent to all the Bidders to whom the RFP has been issued. Clarifications sought after this date shall not be considered in any manner and shall be deemed not to have been received. There shall be no extension in Bid Deadline on account of clarifications sought as per this clause 2.3.6.

2.4 Amendment of RFP

2.4.1. At any time before the timeline mentioned in Clause 2.7.1, the BPC may, for any reason, whether at its own initiative or in response to clarifications requested by any Bidder modify or amend the RFP, including the timelines specified in Clause 2.7.2 by issuance of addendum/modification/errata and/or revised document. Such document shall be notified in writing through a letter or fax or e-mail to all the entities to whom the RFP has been issued and shall be binding on them. In order to ensure that Bidders have reasonable time to take the modification into account in preparing their Bid, or for any other reasons, BPC may at its discretion, extend the due date for submission of Bid. Late receipt of any addendum/modification/errata and/or revised document will not relieve the Bidder from being bound by that modification.

2.4.2. All modifications shall become part of the terms and conditions of this RFP. No interpretation, revision or communication regarding this RFP is valid, unless made in writing.

2.4.3. The amendment to the RFP shall be notified to all the Bidders through the electronic bidding platform and shall be binding on them.

2.5 The Bidding Process

The entire bidding process shall be conducted on electronic bidding platform created by MSTC Limited. The Bid shall comprise of the Technical Bid and the Financial Bid. The Bidders shall submit the Technical Bid & Financial Bid through the electronic bidding platform. In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. There shall be no physical submission of the Financial Bid.

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Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve responsiveness check, technical and financial evaluation of the details/ documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clause 3.2 to 3.4 shall be declared as "Qualified Bidders" and eligible for opening of Initial Offer. The BPC shall also upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification. Also, the Financial Bids of Qualified Bidders shall be opened after at least 24 hours from the date of declaration of the Technically Qualified Bidders.

The Financial Bid will comprise of two rounds. In the first round the Initial Offer (submitted online along with the Technical Bids) of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP. The Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction stage and submit their Final Offer.

Provided however, in case only one Bidder remains after the evaluation of Technical Bid as per Clause 3.2, 3.3 and Clause 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the State Government.

Provided that in the event the number of qualified Technical Bids is between two and four, then each of the qualified Bidder shall be considered as "Qualified Bidders".

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all the Qualified Bidders who share the same rank till 50% of the rank (with any fraction rounded off to higher integer) determined above, shall qualify to participate in the electronic e-reverse auction stage. In case 50% of the ranks (with any fraction rounded off to higher integer) is having less than 4 (four) Bidders and the rank of the fourth (4th) Bidder is shared by more than one (1) Bidder, then all such Bidders who share the rank of the fourth (4th) Bidder shall qualify to participate in the electronic reverse auction.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

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The technical details with respect to access to such electronic platform are provided in Annexure-A (Technical Details with respect to electronic reverse auction).

In case of any technical clarification regarding access to the electronic reverse auction platform or conduct of the auction process, the Bidders may contact MSTC Limited directly at the address provided in Annexure-A.

2.5.1 Bid Formats

The Bids in response to this RFP will be submitted online through the electronic bidding platform by the Bidders in the manner provided in Clause 2.9. The Bids shall comprise of the following:

2.5.2 Technical Bid comprising of:

1. Covering Letter (as per prescribed format enclosed as **Annexure 1**);

2. Letter of Consent from Consortium Members in **Annexure 2;**

3. Power of attorney issued by the Bidding Company or the Lead Member of the Consortium, as the case may be, in favour of the person signing the Bid, in the format attached hereto as **Annexure 3**.

   Additionally, in case of a Bidding Consortium, the power of attorney in favour of the Lead Member issued by the other Members of the Consortium shall be provided in as per format attached hereto as **Annexure 4**. Further, the Lead Member shall furnish Board resolution(s) from each Member of the Consortium other than the Lead Member in favour of their respective authorized representatives for executing the POA and signing of the requisite formats.

   Provided that in the event the Bidding Company or the Lead Member of the Consortium or any Member of the Bidding Consortium, as the case may be, is a foreign entity, it may issue Board resolutions in place of power of attorney for the purpose of fulfilling these requirements.

4. Bidder's composition and ownership structure in **Annexure 5**

5. Format for Authorization submitted in Non-Judicial stamp paper duly notarized as per **Annexure 5** from the Bidding Company / each Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.

6. In case of Bidding Consortium, the Consortium Agreement shall be provided in as per format attached hereto as **Annexure 6**

7. Format of Qualification Requirement (**Annexures 7A, 7B, 7C and 7D)**

8. Bidders Undertakings and details of equity investment in Project (as per prescribed formats 1 and 2 of **Annexure 8**);

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9. Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium **(Annexure 9)**.

10. Undertaking from the Technically / Financially Evaluated Entity(ies) **OR** Undertaking from the Ultimate Parent Company, for total equity investment commitment, in the prescribed format in **Annexure – 10**, to meet any shortfall in the equity investment by the Selected Bidder in the **…….. (Insert the name of SPV).**

    Note: The effective Equity holding of the Selected Bidder in the …… **(Insert the name of SPV)**, as specified in Clause 2.5.8.1 shall be computed as per the provisions of Clause 2.5.8.3 of this RFP.

    Provided further, in case the Bidding Company or Member of a Consortium, (as the case may be) holds at least twenty six percent (26%) equity in such Technically/ Financially Evaluated Entities, whose credentials have been considered for the purpose of meeting the Qualification Requirements as per the RFP, no such Undertaking shall be required from the Technically / Financially Evaluated Entities.

11. Board resolutions, as per prescribed formats enclosed as Annexure – 11, duly certified by the Company Secretary or any Whole-time Director / Manager (supported by a specific Board Resolution), as applicable to the Bidder and mentioned hereunder,

    (a) Board resolution from the Bidding Company (and any investing Affiliate / Parent Company / Ultimate Parent Company) committing one hundred percent (100%) in aggregate of the equity requirement for the Project - Format-1 of **Annexure 11**;

    (b) Board resolutions from each of the Consortium Member of the Bidding Consortium (and any investing Affiliate / Parent Company / Ultimate Parent Company) together committing to one hundred percent (100%) in aggregate of equity requirement for the Project, in case Bidder is a Bidding Consortium - Format-1 of **Annexure 11**;

    (c) In either of the cases as in (a) or (b) above as applicable, Board resolutions as per Format 2 of **Annexure 11** for total equity investment commitment from the Technically / Financially Evaluated Entity(ies) whose technical / financial credentials had been considered for the purpose of meeting Qualification Requirements as per the RFP

    OR

    Board resolutions as per Format 2 of **Annexure 11** from the Parent Company or the Ultimate Parent Company for total equity investment commitment.

    Provided that such Board resolutions, as specified in (a) or (b) or (c) above, in case of a foreign entity, shall be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that the

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Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

For clarity sake, illustrations identifying which Board Resolution shall be applicable in typical cases are provided in **Annexure 11A**.

12. Format for Illustration of Affiliates at the most seven (7) days prior to Bid Deadline, duly certified by Company Secretary and supported by documentary evidence **(Annexure 12)**.

    Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with **Annexure 12.**

13. Disclosure as per **Annexure 13** regarding participation of any related companies in this bidding process.

14. Bid Bond, as per the prescribed format at **Annexure 14** or Surety Bond for Bid Security as per the prescribed format at **Annexure 14A** or Payment on Order Instrument to be issued by IREDA/REC/PFC as per the prescribed format at **Annexure 14B;**

15. Checklist for Technical Bid submission requirements as per **Annexure 16**.

16. Last three (3) financial years' unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity

17. Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, for the financial years in which financial closure was achieved and the financial year in which the said project was completed / commissioned.

18. Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.

19. For each project listed in Annexure 7(D), certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by duly signed by authorized signatory.

In addition to the online submission of above formats through the electronic platform, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI. In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2.

2.5.3 Financial Bid (as per prescribed format at Annexure-21)

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Financial Bid shall comprise of: (i) the Initial Offer; and (ii) the Final Offer. The Initial Offer is required to be submitted along with the Technical Bid. It is hereby clarified that the Financial Bid will comprise of two rounds. In the first round the Initial Offer of the responsive bids would be opened and Quoted Transmission Charges of Initial Offer shall be ranked on the basis of ascending order for determination of the Qualified Bidders as provided in Section-III of RFP.

In accordance with clause 2.5 of this RFP, the qualified Bidders shall be eligible to participate in the electronic reverse auction and submit their Final Offer.

The applicable ceiling for electronic reverse bidding shall be the lowest Quoted Transmission Charges discovered from the Initial Offer received from the Qualified Bidders. The Qualified Bidders shall be permitted to place their Final Offer on the electronic bidding platform, which is lower than zero point two five (0.25) % of the prevailing lowest Quoted Transmission Charges.

The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by 30 minutes from the last received bid time, if the bid is received during the last 30 minutes of the scheduled or extended bid time. Subsequently, it will be extended again by 30 minutes from the latest received bid time.

The Bidders shall inter-alia take into account the following while preparing and submitting the Initial Offer and Final Offer of Financial Bid :-

a. The Bidders shall quote single annual Quoted Transmission Charges for a period of 35 years commencing from the Scheduled COD of the Project.

b. The Quoted Transmission Charges as per the format at Annexure-21 shall be inclusive of all charges and no exclusions shall be allowed. The Bidders shall take into account all costs including capital and operating, statutory taxes, duties, levies. Availability of the inputs necessary for operation and maintenance of the Project should be ensured by the TSP at the Project site and all costs involved in procuring the inputs (including statutory taxes, duties, levies thereof) at the Project site must be included in the Quoted Transmission Charges.

c. Annexure 21 duly digitally signed by authorized signatory.

2.5.4 Wherever information has been sought in specified formats, the Bidders shall fill in the details as per the prescribed formats and shall refrain from referring to any other document for providing any information required in the prescribed format.

2.5.5 Transmission Charges

2.5.5.1. The Transmission Charges shall be specified in the Transmission Service Agreement and shall be payable to the TSP in Indian Rupees only. The Bidders shall quote single Transmission Charges as per the format at Annexure – 21.

2.5.5.2. The Transmission Charges of the Selected Bidder shall be inserted in Schedule 5 of the

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Transmission Service Agreement.

2.5.6 Bidders may note that:

a) All the information and documents in Bid shall be submitted in English language only.

b) Bidders shall mention the name, designation, telephone number, fax number, email address of the authorized signatory and complete address of the Bidder in the covering letter.

c) All pages of the Bid submitted shall be initialed and stamped by the authorized signatory on behalf of the Bidder.

d) A Bidder shall submit only one Bid in the same bidding process, either individually as Bidding Company or as a Member of a Bidding Consortium.

e) The technical and financial capability of a particular company / particular project (Parent and/ or Affiliate) shall not be used directly or indirectly by more than one Bidder/ Member of a Bidding Consortium including Lead Member / Bidding Company.

f) This Request for Proposal (RFP) document is not transferable. The RFP document and the information contained therein is for the use only by the Bidder to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient's professional advisors). In the event that the recipient does not continue with its involvement in the Project, this RFP document must be kept confidential.

g) Though adequate care has been taken while preparing this RFP document, the Bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to the BPC immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of RFP document, it shall be considered that the RFP document is complete in all respects and has been received by the Bidder.

h) Bids submitted by the Bidder and opened on scheduled date and time as stipulated in this RFP shall become the property of the BPC and BPC shall have no obligation to return the same to the Bidder.

i) If any Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in its Bid, in any manner whatsoever, the BPC reserves the right to reject such Bid or cancel the Letter of Intent, if issued. If such event is discovered after the Effective Date, consequences specified in Transmission Service Agreement shall apply.

j) If for any reason the Bid of the Bidder with the lowest Quoted Transmission Charges is not selected or Letter of Intent issued to such Selected Bidder is cancelled or such Bidder withdraws its Bids, the BPC may :-

   i. Invite all the remaining Bidders to revalidate or extend their respective Bid Security, as necessary, and match the Bid of the Bidder with the lowest Quoted Transmission Charges (the "second round of bidding") with following cases:

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- If in the second round of bidding, only one Bidder matches the Bid of the Bidder with lowest Quoted Transmission Charges, it shall be the Selected Bidder.

- If two or more Bidders match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, then the Bidder whose Quoted Transmission Charges was lower as compared to other Bidder(s) in the first round of bidding shall be the Selected Bidder. For example, if the third and fifth lowest Bidders in the first round of bidding offer to match the Bid of the Bidder with lowest Quoted Transmission Charges in the second round of bidding, the said third lowest Bidder shall be the Successful Bidder.

- In the event that no Bidder offers to match the Bid of the Bidder with the lowest Quoted Transmission Charges in the second round of bidding, the BPC may, in its discretion, invite fresh Bids (the "third round of bidding") from all Bidders except the Bidder which quoted the lowest Quoted Transmission Charges in the first round of bidding. In case the Bidders are invited for the third round of bidding to revalidate or extend their Bid Security, as necessary, and offer fresh Bids, they shall be eligible for submission of fresh Bids provided, however, that in such third round of bidding only such Bids shall be eligible for consideration which are lower than the Quoted Transmission Charges of the second lowest Bidder in the first round of bidding; or;

ii. Annul the bid process; or

iii. Take any such measure as may be deemed fit in the sole discretion of the BPC[1]

k) The BPC may, at its sole discretion, ask for additional information / document and/or seek clarifications from a Bidder after the Bid Deadline, inter alia, for the purposes of removal of inconsistencies or infirmities in its Bid. However, no change in the substance of the Quoted Transmission Charges shall be sought or permitted by the BPC.

l) Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.

m) Bidders shall familiarize itself with the procedures and time frames required to obtain all Consents, Clearances and Permits.

n) All Bidders are required to ensure compliance with the standards and codes mentioned in Clause 1.6.1.2.

o) BPC reserves the right to reject all Bids and/or annul the process of tariff based competitive bidding for selection of Bidder as TSP to execute the Project without assigning any reason. BPC shall not bear any liability, whatsoever, in this regard.

p) Foreign companies submitting the Bid are required to follow the applicable law in their country for execution of POA, Consortium Agreement and affixation of Common Seal

[1] **BPC shall record reasons for the same.**

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(wherever required) and in such cases, their Bid should be supported by an unqualified opinion issued by an independent legal counsel practicing in the relevant country, stating that execution of such POA, Consortium Agreement and the authorizations granted therein are true and valid. Foreign companies executing POA outside India shall necessarily pay the adequate stamp charges in India as per the provisions of Stamp Act.

2.5.7 Bidders to inform themselves fully

2.5.7.1. The Bidders shall make independent enquiry and satisfy themselves with respect to all the required information, inputs, conditions and circumstances and factors that may have any effect on his Bid. Once the Bidders have submitted their Bids, the Bidders shall be deemed to have inspected and examined the site conditions (including but not limited to its surroundings, its geological condition and the adequacy of transport facilities to the site), the laws and regulations in force in India, the transportation facilities available in India, the grid conditions, the adequacy and conditions of roads, bridges, railway sidings, ports, etc. for unloading and/or transporting heavy pieces of material and has based its design, equipment size and fixed its price taking into account all such relevant conditions and also the risks, contingencies and other circumstances which may influence or affect the transmission of power. Accordingly, each Bidder acknowledges that, on being selected as Successful Bidder and on acquisition of one hundred percent (100%) of the equity shares of the **……..**, the TSP shall not be relieved from any of its obligations under the RFP Project Documents nor shall the TSP be entitled to any extension in Scheduled COD mentioned in this RFP or financial compensation for any reason whatsoever.

2.5.7.2. In their own interest, the Bidders are requested to familiarize themselves with all relevant laws of India, including without limitation, the Electricity Act 2003, the Income Tax Act 1961, the Companies Act, 1956 / Companies Act, 2013 (as the case may be), Environment Protection Act 1986 and Forest (Conservation) Act, 1980, the Customs Act, the Foreign Exchange Management Act, Land Acquisition Act, 1894, the Indian Telegraph Act 1885, Labour & Employment Laws of India, [Insurance Act], the regulations/standards framed by the Central Commission, State Commission and CEA, all other related acts, laws, rules and regulations prevalent in India, as amended from time to time.

In addition to the above, the Bidders are required to familiarize themselves with all relevant technical codes and standards, including but not limited to the Grid Code / State Grid Code, Central Electricity Authority (Installation and Operations of Meters) Regulations, 2006, Central Electricity Authority (Technical Standards for Connectivity tothe Grid) Regulations, 2007, MERC (Transmission Open Access) Regulations, 2016, Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010, Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020, and other relevant Rules/ Regulations/ Guidelines issued by the Central Government, State Government, Central Commission, State Commission and the CEA and amendments thereof.

The BPC shall not entertain any request for clarifications from the Bidders regarding the above laws / acts / rules / regulations / standards. Non-awareness of the same shall not be a reason for the Bidder to request for extension in Bid Deadline. The Bidders undertake and agree that, before submission of their Bid, all such factors as generally brought out above, have been fully

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investigated and considered while submitting their Bids.

2.5.7.3. The Survey Report has been prepared in good faith, and on best endeavor basis. Neither BPC & Nodal Agency nor their employees or advisors/consultants make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions made in the Survey Report, or the accuracy, completeness or reliability of information contained therein, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of such Survey Report, even if any loss or damage is caused to the Bidders by any act or omission on their part.

2.5.7.4. Bidders shall make best efforts and carry out its own due diligence upon survey report provided by BPC and shall consider all possible techno-commercial factors before submission of Bid. Bidders may also visit the route of the Transmission Lines associated with the Project and the surrounding areas and obtain / verify all information which they deem fit and necessary for the preparation of their Bid. Bidders may also carry out required surveys and field investigation for submission of their Bid. Bidders may also opt for any other route and is not bound to follow the route suggested in survey report provided by BPC.

2.5.7.5. Failure to investigate, examine and to inspect site or subsurface conditions fully shall not be grounds for a Bidder to alter its Bid after the Bid Deadline nor shall it relieve a Bidder from any responsibility for appropriately eliminating the difficulty or costs of successfully completing the Project.

2.5.7.6. The Selected Bidder shall obtain all necessary Consents, Clearances and Permits as required. The Bidders shall familiarize itself with the procedures and time frame required to obtain such Consents, Clearances and Permits.

2.5.7.7. The technical requirements of integrated grid operation are specified in the Indian Electricity Grid Code (IEGC)/ State Grid Code. The Bidders should particularly acquaint themselves with the requirements of connection conditions, operating code for regional grids, scheduling and dispatch instructions/codes, etc. The Bidders are also advised to fully familiarize themselves with the real time grid conditions in the country. Information regarding grid parameters such as voltage and frequency is available on the websites of Regional / State Load Despatch Centres.

2.5.8 Minimum Equity holding/Equity Lock-in

2.5.8.1. (a) The aggregate equity share holding of the Selected Bidder, in the issued and paid up equity share capital of **…….. (Insert the name of SPV)** shall not be less than Fifty one percent (51%) up to a period of (1) one year after COD of the Project;

(b) In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.

(c) If equity is held by the Affiliates, Parent Company or Ultimate Parent Company, then subject to the second proviso of this Clause 2.5.8.1 (c), such Affiliate, Parent Company or Ultimate Parent Company shall be permitted to transfer its shareholding in **…….. (Insert**

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the name of SPV) to another Affiliate or to the Parent Company / Ultimate Parent Company. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company.

Provided that in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction shall apply to such entities.

Provided further, that the aggregate equity share holding of the Bidding Consortium or a Bidding Company in the issued and paid up equity share capital of **……. (Insert the name of SPV)** shall not be less than fifty one percent (51%) up to a period of one (1) year after COD of the Project and the lead Member of the Consortium shall have the equity share holding not less than twenty six percent (26%). In case the Selected Bidder is a Bidding Consortium, then any Member (other than the Lead Member) of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified in (a) above.

(d) All transfer(s) of shareholding of **…… (Insert the name of SPV)** by any of the entities referred to above, shall be after prior written intimation to the Nodal Agency.

2.5.8.2. The Selected Bidder may invest in the equity share capital of **……. (Insert the name of SPV)** through its Affiliate(s) or Ultimate Parent Company or Parent Company. Details of such investment will have to be specified in the Technical Bid as per Format 2 of Annexure 8 of the RFP. If the Selected Bidder so invests through any Affiliate(s) or Ultimate Parent Company or Parent Company, the Selected Bidder shall be liable to ensure that minimum equity holding/lock-in limits specified in Clause 2.5.8.1 and as computed as per the provisions of Clause 2.5.8.3 are still maintained.

2.5.8.3. For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company and the equity holding of such Affiliate (s) or Ultimate Parent Company in **……. (Insert the name of SPV),** shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in **……. (Insert the name of SPV)** then holding of Selected Bidder A in **…… (Insert the name of SPV)** shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in **……. (Insert the name of SPV)**, then for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A **in ……. (Insert the name of SPV)** shall be fifteen percent (15%), (i.e., 30%* 50%);

2.5.8.4. The provisions as contained in this Clause 2.5.8 and Article 19.1 of the Transmission Service Agreement shall override the terms of the Consortium Agreement submitted by the Bidder as part of the RFP.

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2.6 Project Schedule

2.6.1. All Elements of the Project are required to be commissioned progressively as per the schedule given in the following table;

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor–1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos	24 months from Effective Date	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.

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Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	• 220 kV line bays – 2 Nos.			
2.	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3.	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4.	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)			

Note:
Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*)

a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing)

In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters

The payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after successful commissioning of the Element(s) which are pre-required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for overall Project: **24 Months from Effective Date**

2.7 Due dates

2.7.1. The Bidders should submit the Bids online through the electronic bidding platform before the Bid Deadline i.e. on or before **15:00 hrs on 06/01/2026** In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI.

2.7.2. Important timelines are mentioned below:

Date	Event
04-11-2025	Issuance of RFP

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Date	Event
24-11-2025	Submission of written clarifications/amendments, if any, on the RFP / RFP Project Documents by Bidders so as to reach BPC by 1700 hours. Such written clarifications/amendments shall be in the format provided in Annexure-20.
01-12-2025	Pre-Bid meeting(s)
12-12-2025	Issue of written clarifications and revised RFP documents
22-12-2025	Issue of final RFP Project Documents
06-01-2026	Submission of Bid (Online submission of Bid through electronic bidding portal)
06-01-2026	Opening of Technical Bid
14-01-2026	Shortlisting and announcement of Qualified Bidders on bidding portal
15-01-2026	Opening of Financial Bid - Initial Offer
16-01-2026	Electronic reverse auction (Financial Bid – Final Offer) for the Qualified Bidders.
19-01-2026	Submission of original hard copies of Annexure 3, Annexure 4, Annexure 6, as applicable and Annexure 14 by the bidder with lowest Final Offer
26-01-2026	Selection of Successful Bidder and issue of LOI
05-02-2026	Signing of RFP Project Documents and transfer of SPV

2.7.3. To enable BPC to meet the schedule, all Bidders are expected to respond expeditiously during the bidding process. If any milestone/activity falls on a day which is not a working day or which is a public holiday then the milestone/activity shall be achieved/ completed on the next working day.

2.8 Validity of the Bid

2.8.1. The Bid shall remain valid for a period of one hundred and eighty (180) days from the Bid Deadline. The BPC reserves the right to reject any Bid which does not meet aforementioned validity requirement.

2.8.2. The BPC may solicit the Bidders' consent for an extension of the period of validity of the Bid. The request and the response, thereafter, shall be in writing. In the event any Bidder refuses to extend its Bid validity as requested by the BPC, the BPC shall not be entitled to invoke the Bid Bond. A Bidder accepting the BPC's request for validity extension shall not be permitted to modify its Bid and such Bidder shall, accordingly, extend the validity of the Bid Bond as requested by the BPC within seven (7) days of such request, failing which the Bid shall not be considered as valid.

2.9 Method of Submission

2.9.1. Both the Technical and Financial Bids duly filled in, all formats and supporting shall be scanned and uploaded online through electronic bidding platform in the manner specified in **Annexure A.**

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2.9.2. It may be noted that Technical Bid shall not contain any information/document relating to Financial Bid. If Technical Bid contains any such information/documents, the BPC shall not be responsible for premature opening of the Financial Bid.

All pages of the Bid, except for the Bid Bond (Annexure 14) and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall sign all pages of the Bid. However, any published document submitted in this regard shall be signed by the authorized signatory at least on the first and last page of such document.

2.9.3. No change or supplemental information to a Bid already submitted will be accepted after the Bid Deadline, unless the same is requested for by the BPC as per Clause 2.5.6 (k).

Provided that a Bidder shall always have the right to withdraw / modify its Bid before the Bid Deadline. No Technical Bid or Initial Offer shall be modified, substituted or withdrawn by the Bidder on or after the Bid Deadline.

2.10 Preparation cost

2.10.1. The Bidders shall be responsible for all the costs associated with the preparation of the Bid and participation in discussions and attending pre-bid meetings, and finalization and execution of the RFP Project Documents (other than the TSA), etc. BPC shall not be responsible in any way for such costs, regardless of the conduct or outcome of the process of tariff based competitive bidding for selection of Bidder as TSP as per Bidding Guidelines.

2.10.1 The cost of this RFP is **Rupees Five Lakh (Rs.5,00,000/-) or U.S. Dollar Seven Thousand Only (US$7,000 /-) plus GST** as per applicable rate, which shall be non-refundable. This amount shall be paid via electronic transfer to the following Bank Account:

Bank Account Name	**: PFC Consulting Limited**
Account No.	**: 000705036117**
Bank Name	**: ICICI Bank**
IFSC	**: ICIC0000007**
Branch	**: Connaught Place, New Delhi-110001**

Immediately after issuance of RFP document, the Bidder shall submit the Pre-Award Integrity Pact in the format as prescribed in Annexure B, which shall be applicable for and during the bidding process, duly signed on each page by any whole-time Director / Authorized Signatory, duly witnessed by two persons, and shall be submitted by the Bidder in two (2) originals in a separate envelope, duly superscripted with Pre-Award Integrity Pact. The Bidder shall submit the Pre-Award Integrity Pact on non-judicial stamp paper of Rs. 100/- each duly purchased from the National Capital Territory of Delhi. In case the Bidder is in a consortium, the Pre-Award Integrity Pact shall be signed and submitted by each member of the Consortium separately.

2.11 Bid Bond

2.11.1. Each Bidder shall submit the Bid accompanied by Bid Bond issued by any of the Banks listed in

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Annexure-17. The Bid Bond shall be valid for a period of thirty (30) days beyond the validity of the Bid.

2.11.2. Subject to the provisions of Clause 2.15.5, the Bid Bond may be invoked by the BPC or its authorized representative, without any notice, demure, or any other legal process upon occurrence of any of the following:

- Bidder withdraws during the period of Bid Validity as specified in this RFP or as extended by mutual consent of the respective Bidder(s) and the BPC
- Failure to execute the Share Purchase Agreement as per the provisions of Clause 2.15.2; or
- Failure to furnish the Contract Performance Guarantee as per Clause 2.12; or
- Failure to acquire one hundred percent (100%) equity shares **of …… (Insert the name of SPV)**, along with all its related assets and liabilities, in accordance with the provisions of Clause 2.15.2; or
- Failure to comply with the provisions of Clause 2.15.5 and Clause 2.15.6, leading to annulment of the award of the Project.
- Bidders submitting any wrong information or making any misrepresentation in their Bid as mentioned in Clause 2.5.6.

Intimation of the reasons of the invocation of the Bid Bond shall be given to the Selected Bidder by the BPC within three (3) working days after such invocation.

2.11.3. The Bid Bond of the Selected Bidder shall be returned on submission of the Contract Performance Guarantee as per Clause 2.12 and the relevant provisions of the Transmission Service Agreement.

2.11.4. The Bid Bond of all the Bidders, whose Bids are declared non-responsive, shall be returned within a period of thirty (30) days after the date on which the Financial Bids are opened.

2.11.5. The Bid Bond of all unsuccessful Bidders shall be returned and released by the BPC on the same day on which the **…… (Insert the name of SPV)** is transferred to the Selected Bidder. The Bid Bond of the Successful Bidder shall be returned on submission of Contract Performance Guarantee as per Clause 2.12 of this RFP and the provisions of the Transmission Service Agreement.

2.12 Contract Performance Guarantee

2.12.1. Within ten (10) days from the date of issue of the Letter of Intent, the Selected Bidder, on behalf of the TSP, will provide to the Nodal Agency the Contract Performance Guarantee for an amount of **Rs. 54.90 Crore (Rupees Fifty Four Crore and Ninety Lakh Only)**.
The Contract Performance Guarantee shall be initially valid for a period up to three (3) months

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after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project and thereafter shall be dealt with in accordance with the provisions of the Transmission Service Agreement. The contract Performance Guarantee shall be issued by any of the banks listed in Annexure-17 as per format given at Annexure-15 or any of the insurance companies authorized by Insurance Regulatory and Development Authority of India as per format given at Anbnexure-15 A or PFC/REC/IREDA as per Payment on Order Instrument format given at Annexure-15 B.

2.12.2. In case the Selected Bidder is unable to obtain the Contract Performance Guarantee for the total amount from any one bank specified in Annexure-17, the Selected Bidder may obtain the same from not more than three (3) banks specified in Annexure-17.

2.13 Opening of Bids

2.13.1. Technical Bid will be opened by the Bid Opening Committee as per the following time schedule and in the office of Chief Engineer, Maharashtra STU, in the online presence of Bidders' representatives who wish to attend:

Opening of Envelope (Technical Bid): **15:30 hours** (IST) on **06/01/2026** or such other dates as may be intimated by BPC to the Bidders.

In the event of any of above dates falling on a day which is not a working day or which is a public holiday, then the bids shall be opened on the next working day at the same venue and time.

Opening of Initial Offer: Initial Offer shall be opened by the Bid Opening Committee in presence of the Bid Evaluation Committee at **15:30 hours** (IST) on **06/01/2026**
in the office of Chief Engineer, Maharashtra STU.

2.13.2. The following information from each Bid will be read out to all the Bidders at the time of opening of Technical Bid:

- Name of the Bidding Company / Consortium Members in case of Bidding Consortium.

Information to be provided after opening of Initial Offer:
Only the lowest Initial Offer (s) shall be communicated to all the Qualified Bidders to participate in the e-reverse bidding process. During the e-reverse bidding process only the lowest prevailing bid should be visible to all the bidders on the electronic platform.

2.14 Enquiries

Written clarifications on the RFP and other RFP Project Documents as per Clause 2.3 and 2.4 may be sought from:

General Manager
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,

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Connaught Place, New Delhi - 110001
Tel. + 91 11 23443710
Email: pfccl.itp@pfcindia.com

2.15 Other Aspects

2.15.1 The draft of the Transmission Service Agreement and Share Purchase Agreement have been attached to this RFP

When the drafts of the above RFP Project Documents are provided by the BPC, these RFP Project Documents shall form part of this RFP as per Formats – 1 & 2 of Annexure 20.

Upon finalization of the RFP Project Documents after incorporating the amendments envisaged in Clause 2.4 of this RFP, all the finalized RFP Project Documents shall be provided by BPC to the Bidders at least fifteen (15) days prior to the Bid Deadline.

The Transmission Service Agreement and Share Purchase Agreement shall be signed in required number of originals so as to ensure that one (1) original is retained by each party to the Agreement(s) on the date of transfer of SPV.

2.15.2 Within ten (10) days of the issue of the Letter of Intent, the Selected Bidder shall:

a) provide the Contract Performance Guarantee in favour of the Nodal Agency as per the provisions of Clause 2.12;

b) execute the Share Purchase Agreement and the Transmission Service Agreement;

c) acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of **……. (Insert the name of SPV)** from PFC Consulting Limited, who shall sell to the Selected Bidder, the equity shareholding of **……. (Insert the name of SPV)** along with all its related assets and liabilities;

Stamp duties payable on purchase of one hundred percent (100%) of the equity shareholding of **……. (Insert the name of SPV)**, along with all its related assets and liabilities, shall also be borne by the Selected Bidder.

Provided further that, if for any reason attributable to the BPC, the above activities are not completed by the Selected Bidder within the above period of ten (10) days as mentioned in this Clause, such period of ten (10) days shall be extended, on a day for day basis till the end of the Bid validity period.

2.15.3 After the date of acquisition of the equity shareholding of **……. (Insert the name of SPV)**, along with all its related assets and liabilities, by the Selected Bidder,

i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Nodal Agency,

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ii. all rights and obligations of **…….. (Insert the name of SPV)**, shall be of the TSP,

iii. any decisions taken by the BPC prior to the Effective Date shall continue to be binding on the Nodal Agency and

iv. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP.

2.15.4 Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the State Commission for grant of Transmission License and make an application to the State Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.

2.15.5 If the Selected Bidder / TSP fails or refuses to comply with any of its obligations under Clauses 2.15.2, 2.15.3 and 2.15.4, and provided that the other parties are willing to execute the Share Purchase Agreement and PFC Consulting Limited is willing to sell the entire equity shareholding of **…….. (Insert the name of SPV)**, along with all its related assets and liabilities, to the Selected Bidder, such failure or refusal on the part of the Selected Bidder shall constitute sufficient grounds for cancellation of the Letter of Intent. In such cases, the BPC / its authorized representative(s) shall be entitled to invoke the Bid Bond of the Selected Bidder.

2.15.6 If the TSP fails to obtain the Transmission License from the State Commission, it will constitute sufficient grounds for annulment of award of the Project.

2.15.7 The annulment of award, as provided in Clauses 2.15.5 and 2.15.6 of this RFP, will be done by the State Government on the recommendations of Empowered Committee. However, before recommending so, Empowered Committee will give an opportunity to the Selected Bidder / TSP to present their view point.

2.15.8 The annulment of the award, under Clause 2.15.5 or 2.15.6 of this RFP, shall be sufficient grounds for blacklisting the bidder, whose award has been annulled, for a period of five years or more, as decided by the Empowered Committee, provided that the blacklisting shall be done only after giving the bidder an opportunity for showing cause.

2.16 Confidentiality

2.16.1. The parties undertake to hold in confidence this RFP and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

a) to their professional advisors;

b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities;

c) disclosures required under Law, without the prior written consent of the other parties of the concerned agreements.

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Provided that the TSP agrees and acknowledges that the Nodal Agency may at any time, disclose the terms and conditions of the RFP and RFP Project Documents to any person, to the extent stipulated under the Law or the Bidding Guidelines.

2.17 Right of the BPC to reject any Bid

BPC reserves the right to reject all or any of the Bids/ or cancel the RFP without assigning any reasons whatsoever and without any liability.

2.18 Non submission and/or submission of incomplete data/ information required under the provisions of RFP shall not be construed as waiver on the part of BPC of the obligation of the Bidder to furnish the said data / information unless the waiver is in writing.

2.19 Fraudulent and Corrupt Practices

2.19.1. The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Bid process and subsequent to the issue of the LoI Notwithstanding anything to the contrary contained herein, or in the LoI, the BPC shall reject a Bid, withdraw the LoI, as the case may be, without being liable in any manner whatsoever to the Bidder, if it determines that the Bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the BPC shall forfeit the Bid Bond, without prejudice to any other right or remedy that may be available to the BPC hereunder or otherwise.

2.19.2. Without prejudice to the rights of the BPC under Clause 2.19.1 hereinabove and the rights and remedies which the BPC may have under the LoI, if a Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of the LoI, such Bidder & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such Bidder is found by the BPC to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

2.19.3. For the purposes of this Clause 2.19, the following terms shall have the meaning hereinafter respectively assigned to them:

a) **"corrupt practice"** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the LoI or has dealt with matters concerning the Transmission Service Agreement or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the LoI

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or after the execution of the Transmission Service Agreement, as the case may be, any person in respect of any matter relating to the Project or the LoI or the Transmission Service Agreement, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;

b) **"Fraudulent practice"** means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;

c) **"Coercive practice"** means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;

d) **"undesirable practice"** means (i) establishing contact with any person connected with or employed or engaged by the BPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and

e) **"Restrictive practice"** means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process.

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SECTION - 3

EVALUATION OF THE TECHNICAL AND FINANCIAL BID

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SECTION 3

1. EVALUATION OF BID

3.1. The evaluation process of Technical Bid comprises the following five steps:

Step I – Responsiveness check
Step II- Compliance with submission requirements
Step III– Evaluation of Technical Bids
Step IV– Evaluation of Financial Bids
Step V – Bidder Selection

3.2. STEP I – Responsiveness check

The Technical Bid submitted by the Bidder shall be initially scrutinized to establish "Responsiveness". Subject to clause 2.5.6 (k), any of the following conditions shall cause the Technical Bid to be "Non-responsive":

a) Technical Bid that are incomplete.

b) Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.

c) All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.

d) Technical Bid not including the covering letter as per Annexure 1.

e) Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.

f) Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.

g) Bidder submitting or participating in more than one Bid either as a Bidding Company or as a Member of Bidding Consortium.

h) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.

i) Information not submitted in formats specified in the RFP.

j) Applicable Board resolutions, or any other document, as provided in Clause 2.5.2, not being submitted;

k) Bid not accompanied by a valid Bid Bond ;

l) Non submission of power of attorney, supported by a Board resolution;

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m) Bid validity being less than that required as per Clause 2.8 of this RFP;

n) Bid not containing Format-1 (Bidders' Undertakings) of Annexure-8;

o) Bidder having Conflict of Interest

p) The Bidder has not submitted a disclosure as per Annexure 13.

q) Bidders delaying in submission of additional information or clarifications sought by the BPC.

r) If the Bidder makes any misrepresentation as specified in Clause 3.7.

s) Bid being conditional in nature.

t) More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.

3.3. STEP II - Compliance with submission requirements

Each Bidder's Technical Bid shall be checked for compliance with the submission requirements set forth in this RFP before the evaluation of Technical Bid is taken up. Annexure 16 and Annexure 11A shall be used to check whether each Bidder meets the stipulated requirements.

3.4. STEP III -Evaluation of Technical Bid

Evaluation of Technical Bid will be carried out considering the information and documents furnished by the Bidders as required under this RFP. This step would involve technical and financial evaluation of the details/ documents furnished by the Bidding Company / Bidding Consortium in support of meeting the Qualification Requirements

3.4.1. Interpolation of financial data.

For the Qualification Requirements data provided by the Bidders in foreign currency, equivalent rupees of Networth will be calculated using bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the accounts for the respective financial year as certified by their Banker.

For the purpose of calculating the aggregate capital expenditure/construction experience of the projects completed/ commissioned where such projects are executed outside India and capital expenditure is denominated in foreign currency, bills selling exchange rates (card rate) USD/INR of State Bank of India prevailing on the date of closing of the financial year in which the projects were completed and as certified by their Banker shall be considered.

For the projects executed in the current financial year bills selling (card rate) USD/INR of State Bank of India prevailing on seven (7) days prior to the last date of submission of Technical Bid and as certified by their Banker shall be considered.

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For currency other than USD, Bidders shall convert such currency into USD as per the exchange rates certified by their Banker prevailing on the relevant date and used for such conversion. Such Bidders shall submit necessary certification from their Banker for the exchange rate used in the conversation.

If the exchange rate for any of the above dates is not available, the rate for the immediately available previous day shall be taken into account.

3.4.2. Bidders meeting the Qualification Requirements, subject to evaluation as specified in Clauses 3.2 to 3.4 shall be declared as Qualified Bidders and eligible for opening of Initial Offer.

3.4.3. The BPC shall upload the list of all Qualified Bidders and Non-Qualified Bidders on the bidding portal along with the reasons for non-qualification.

3.5. STEP IV - Evaluation of Financial Bids

3.5.1. The Bids which have been found Qualified by the BPC, based on the Steps I to III as specified above in Clauses 3.2.to 3.4, shall be opened and Quoted Transmission Charges of such Initial Offer shall be ranked on the basis of the ascending Initial Offer submitted by each Qualified Bidder.

Based on such ranking of the Qualified Bidders, in the first fifty per cent of the ranking (with any fraction rounded off to higher integer) or four Qualified Bidders, whichever is higher, shall qualify for participating in the electronic reverse auction.

Provided however, in case only one Bidder remains after the Evaluation of Technical Bid (Steps 1 to III) as per Clause 3.2 to 3.4, the Initial Offer of such Bidder shall not be opened and the matter shall be referred to the State Government.

Provided that in the event the number of Qualified Bidders is between two and four, then each of the responsive Bidder shall be considered as Qualified Bidders.

Provided that in the event of identical Quoted Transmission Charges discovered from the Initial Offer having been submitted by one or more Bidders, all such Bidders shall be assigned the same rank for the purposes of determination of Qualified Bidders. In such cases, all Qualified Bidders who shares the same rank till 50% of the rank (with any faction rounded off to higher integer) determined above, shall qualify to participate in the electronic reverse auction stage. In case 50% of the rank is having less than four (4) Bidders and the rank of the fourth (4th) Bidder is shared by more than one Bidder, then all such all such Bidders who share the rank of the fourth Bidder shall qualify to participate in the electronic reverse auction.

3.5.2. The Financial Bids comprising of both Initial Offer and Final Offer submitted by the Bidders shall be scrutinized to ensure conformity with the provisions of Clause 2.5.3 of this RFP. Any Bid not meeting any of the requirements as per Clause 2.5.3 of this RFP may cause the Bid to be considered "Non-responsive", at the sole decision of the BPC. Financial Bid not in conformity with the requirement of SI. No. (c) of Clause 2.5.3 of this RFP shall be rejected.

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3.5.3 The Bidders shall quote the single annual Quoted Transmission Charges as specified in the format at Annexure – 21.

3.6. STEP V - Bidder Selection

3.6.1. The prevailing lowest Quoted Transmission Charges discovered from Final Offers shall only be displayed during the e-reverse bidding and the Bidder quoting such Final Offer will always remain anonymous during the e-reverse bidding. The Bidder with the prevailing lowest Quoted Transmission Charges discovered from Final Offers at the close of the scheduled or extended period of e-reverse bidding as mentioned in clause 2.5 shall be declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

However, if no bid is received during the e-reverse bidding stage then the Bidder with lowest quoted initial transmission charges ("Initial Offer") during e-bidding stage shall be declared as the Successful Bidder, subject to verification of the original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14. The Letter of Intent shall be issued to such Successful Bidder in two (2) copies.

In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.

3.6.2. The Selected Bidder shall unconditionally accept the LoI, and record on one (1) copy of the LoI, "Accepted unconditionally", under the signature of the authorized signatory of the Successful Bidder and return such copy to the BPC within seven (7) days of issue of LoI.

3.6.3. If the Successful Bidder, to whom the Letter of Intent has been issued, does not fulfill any of the conditions specified in Clauses 2.15.2, 2.15.3 and Clause 2.15.4, then subject to Clause 2.15.5, the BPC reserves the right to annul the award of the Project and cancel the Letter of Intent. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.

3.6.4. The BPC, in its own discretion, has the right to reject all Bids if the Quoted Transmission Charges are not aligned to the prevailing prices.

3.7. Misrepresentation by the Bidder

If the Bidder conceals any material information or makes a wrong statement or misrepresents facts or makes a misleading statement in the Technical Bid or Bid, as the case may be, in any manner whatsoever, in order to create circumstances for the acceptance of its Technical Bid/Bid, the BPC reserves the right to reject such Technical Bid/Bid, and/ or cancel the Letter of Intent, if issued. Further, in case Letter of Intent is cancelled, consequences as per provisions of the RFP shall follow.

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3.8. Disposition of Technical Bid

3.8.1. Technical Bid found to be Non-responsive as per Clause **3.2,** due to any of the following conditions, shall be liable for rejection.

- Technical Bid that is incomplete.
- Technical Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP.
- All pages of the Technical Bid submitted but not initialed by the authorized signatories on behalf of the Bidder.
- Technical Bid not including the covering letter as per Annexure 1.
- Technical Bid contains material inconsistencies in the information and documents submitted by the Bidder, affecting the Qualification Requirements.
- Information not submitted in formats specified in the RFP.
- The Bidder has not submitted a disclosure as per Annexure 13**.**
- Bidders delaying in submission of additional information or clarifications sought by the BPC.

3.8.2. Technical Bid found to be Non-responsive as per Clause **3.2,** due to any of the following conditions, shall be rejected.

- Technical Bid not received by the scheduled date and time.
- Technical Bid submitted by a Bidding Consortium not including the Consortium Agreement.
- Bidder submitting or participating in more than one response either as a Bidding Company or as a Member of Bidding Consortium.
- More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent/Affiliate.
- Technical Bid having Conflict of Interest.
- If the Bidder makes any misrepresentation as specified in Clause **3.7.**

3.9. BPC reserves the right to interpret the Bid in accordance with the provisions of this RFP document and make its own judgment regarding the interpretation of the same. In this regard, BPC shall have no liability towards any Bidder and no Bidder shall have any recourse to BPC with respect to the qualification process.

BPC shall evaluate Bid using the process specified in Clause 3.1 to 3.6, at its sole discretion. BPC's decision in this regard shall be final and binding.

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SECTION - 4

ANNEXURES FOR BID

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SECTION – 4

I. Formats for Bid

The following formats are required to be included in the Bidder's Technical and Financial Bid. These formats are designed to demonstrate the Bidder's compliance with the Qualification Requirements set forth in Clause 2.1 of Section – 2.

Technical Bid

1. Format for the Covering Letter
2. Format for Letter of Consent from Consortium Members
3. Format for evidence of authorized signatory's authority (Power of Attorney)
4. Format for Power of Attorney from to be provided by each of the other Members of the Consortium in favor of the Lead Member
5. Format for Bidder's composition and ownership structure and Format for Authorization
6. Format for Consortium Agreement
7. Formats for Qualification Requirement
8. Format of Bidders Undertaking and details of Equity Investment
9. Authorization from Parent/Affiliate of Bidding Company/Member of Bidding Consortium whose technical/financial capability has been used by the Bidding Company/Member of Bidding Consortium.
10. Undertaking from the Technically / Financially Evaluated Entity(ies) or from Ultimate Parent Company for equity investment
11. Format of Board Resolutions
12. Format for Illustration of Affiliates
13. Format for Disclosure
14. Format for Bid Bond
15. Format for Contract Performance Guarantee
16. Checklist for Technical Bid submission requirements
22. Format for Affidavit

In addition to the online submission, the Bidder with lowest Final Offer will be required to submit original hard copies of Annexure 3, Annexure 4 (if applicable), Annexure 6 (if applicable) and Annexure 14 before issuance of LoI.

Financial Bid

21. Format for Financial Bid

II. The following formats are for the information to the Bidders to enable them to submit their Bid.

11A. Illustration for Applicable Board Resolution Requirements Under Clause 2.5.2

17. List of Banks

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18. GRID Map of the Project
19. Format for clarification/amendments on the RFP/RFP Project Documents
20. Formats for RFP Project Documents

Bidder may use additional sheets to submit the information for its detailed Bid.

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ANNEXURE 1 - COVERING LETTER
(The covering letter should be on the Letter Head of the Bidding Company/ Lead Member of the Consortium)

Date:……
From:……
Tel.No.:…….
E-mail address: .....

To,
PFC Consulting Limited
9thFloor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: **Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" through tariff based competitive bidding process.**

1. Being duly authorized to present and act on behalf of M/s ……. (insert name of Bidding Company / Bidding Consortium) (hereinafter called the "Bidder") and having read and examined in detail the Request for Proposal (RFP) document, the undersigned hereby submit our Technical Bid with duly signed formats and Financial Bid (Initial Offer) as stipulated in RFP document for your consideration.

2. It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP document and subsequent clarifications/amendments as per Clause 2.3 and 2.4 of RFP.

3. The information submitted in our Bid is complete, is strictly as per the requirements stipulated in the RFP document and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

4. We hereby agree and undertake to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders OM No. F.7/10/2021-PPD (1) dated 23.02.2023 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard.

We hereby also agree and undertake to comply with Department of Expenditure, Ministry of Finance vide OM No. F.7/10/2021-PPD (1) dated 23.02.2023, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India.

5. We hereby agree to comply with Ministry of Power order no. P-45021/2/2017-PP (BE-II)-Part (4) Vol.II dated 19.07.2024 as amended from time to time.

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6. We are herewith submitting legally binding board resolution for the total equity requirement of the Project.

7. We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are herewith submitting legally binding undertaking supported by a board resolution from the ……..(Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of …….. (Insert name of the Bidding Company) shall be deemed to be equity investment obligations of the …… (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by……. (Insert name of the Bidding Company), the same shall be met by …… (Insert name of Technically Evaluated Entity and/or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be).
[Sl. No 7 to be inserted only in case the Bidder is a Bidding Company / Lead Member of a Consortium and has sought qualification on the basis of technical and financial capability of its Affiliate(s) and/or its Parent]

8. We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to the Project.

9. We hereby confirm that we shall continue to maintain compliance with Qualification Requirements till the execution of the Transmission Service Agreement. Further, in case we emerge as Selected Bidder for the Project, we shall continue to maintain compliance with Qualification Requirements till the COD of the Project.

10. We confirm that we have studied the provisions of relevant Indian laws and regulations required to enable us to build, own, operate and transfer the said Project and to prepare this Bid.

11. We hereby confirm that we shall abide unreservedly with BPC's decision in the qualification process for selection of Qualified Bidder and further warrant that under no circumstances we shall challenge either the BPC's decision or its right to make such decision at any time in the future.

12. We confirm that the Bid shall remain valid for a period of one eighty (180) days from the Bid Deadline.

13. The details of contact person are furnished as under:
Name: ……
Designation:……
Name of the Company:……
Address of the Bidder:……
Phone Nos.:……
Fax Nos.:……
E-mail address:……

14. **Bid Bond**

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We have enclosed a Bid Bond of Rupees …… Crores (Rs. ……) only or US$ ……. (……), in the form of bank guarantee no……[Insert number of the Bank Guarantee] dated……[Insert Date of the Bank Guarantee] as per your proforma (Annexure-14) from……[Insert name of bank providing Bid Bond] and valid up to ……in terms of Clause 2.11 of the RFP.

15. Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by the BPC on any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

16. Familiarity With Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP Project Documents (other than TSA), in the event of our selection as the TSP. We further undertake and agree that all such factors as mentioned in Clause 2.5.7 of RFP have been fully examined and considered while submitting the Bid.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from BPC.

The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.

We confirm that we have not taken any deviation so as to be deemed non-responsive with respect to the provisions stipulated at Clause 2.5.1, of this RFP.

Thanking you,

Yours sincerely,

…….

(Name and Signature of the authorized signatory in whose name Power of Attorney/ Board Resolution as per Clause 2.5.2 is issued)

Name:……
Designation:……
Address:……

Date:……
Place:……

Company Rubber Stamp

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ANNEXURE 2 - LETTER OF CONSENT FROM CONSORTIUM MEMBERS

(On the letter head of each Member of the Consortium including Lead Member)

Date: ……
From: ……
……
……
Tel. No.: ……
E-mail address: ……..

To,
PFC Consulting Limited
9thFloor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: **Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" through tariff based competitive bidding process.**

We, the undersigned Member of …… (Insert name of the Bidding Consortium) have read, examined and understood the RFP document for the short-listing of Bidders as prospective TSP to establish Intra-State Transmission System for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** through tariff based competitive bidding process. We hereby confirm our concurrence with the Bid including in particular the Consortium Agreement submitted by ……. (Insert name of the Lead Member) in response to the RFP document.

We hereby confirm our commitment to participate in the said Bidding Consortium and invest ……. % of the total equity requirement for the Project as per the terms of the Consortium Agreement dated …… and board resolution for such investment commitment is enclosed herewith.

We hereby confirm that in accordance with Clause 2.1.4 of the RFP, we are enclosing legally binding undertaking supported by a board resolution from the ……. (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) that all the equity investment obligations of ……. (Insert name of the Member) shall be deemed to be equity investment obligations of the …… (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be) and in the event of any default by……. (Insert name of the Member), the same shall be met by……. (Insert name of Technically Evaluated Entity and / or Financially Evaluated Entity or its Ultimate Parent Company, as the case may be). [Insert if applicable]

[To be inserted by the Lead Member only] We are also enclosing legally binding board resolution for the total equity requirement of the Project in case of any breach of any of the equity investment commitment by any of the Consortium Members, in line with the provisions of the Consortium Agreement dated ……. [Bidder to insert date of Consortium Agreement].

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The details of contact person are furnished as under:

Name: ……
Designation: ……
Name of the Company: ……
Address: ……
Phone Nos.: ……
E-mail address: ……

Dated the ……. day of ……. of 20…

Thanking you,

Yours faithfully,

……
(Signature)

Name:…….
Designation:…….

(Signature, Name, Designation of Authorized Signatory of Consortium Member and Company's Seal)

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ANNEXURE 3 - FORMAT FOR EVIDENCE OF AUTHORIZED SIGNATORY'S AUTHORITY

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

Know all men by these presents, We ……(name and address of the registered office of the Bidder) do hereby constitute, appoint and authorize Mr./Ms……(name and residential address) who is presently employed with us and holding the position of …… as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** through tariff based competitive bidding process in the country of India, including signing and submission of all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc., making representations to the BPC, and providing information / responses to the BPC, representing us in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project till the completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

For …… [Insert name of the Bidder on whose behalf PoA is executed]

……..
(Signature)

Name: ……
Designation: ……

Accepted

……
(Signature of the Attorney)

Name: ……
Designation: ……
Address: ……
……
(Name, Designation and Address of the Attorney)

TRUE COPY

Specimen signatures of attorney attested by the Executant

……
(Signature of the Executant)

…….
(Signature of Notary Public)

Place:……
Date:……

Notes:

1) To be executed by Bidding Company or the Lead Member, in the case of a Bidding Consortium, as the case maybe.

2) The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

3) Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

4) In case of foreign Bidders, refer to clause 2.5.6 (p)

TRUE COPY

ANNEXURE 4 - FORMAT FOR POWER OF ATTORNEY TO BE PROVIDED BY EACH OF THE OTHER MEMBERS OF THE CONSORTIUM IN FAVOUR OF THE LEAD MEMBER

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

KNOW ALL MEN BY THESE PRESENTS THAT M/s……., having its registered office at ……., …..,…..and M/s ……. having its registered office at …….. , (Insert names and registered offices of all Members of the Consortium), the Members of Consortium, have formed a Bidding Consortium named ……. (insert name of the Consortium) (hereinafter called the **"Consortium"**) vide Consortium Agreement dated…….. and having agreed to appoint M/s…… as the Lead Member of the said Consortium do hereby constitute, nominate and appoint M/s……..a company incorporated under the laws of ……and having its Registered / Head Office at ……..……as our duly constituted lawful Attorney (hereinafter called as **"Lead Member"**) which is one of the Members of the Consortium, to act as the Lead Member and our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of Consortium's Bid for the Project, including signing and submission of the Bid and all documents related to the Bid, including, undertakings, letters, certificates, acceptances, clarifications, guarantees, etc, making representations to the BPC, and providing information / responses to the BPC, representing us and the Consortium in all matters before the BPC, and generally dealing with the BPC in all matters in connection with our Bid for the said Project, till completion of the bidding process in accordance with the RFP and signing of the Share Purchase Agreement by all the parties thereto.

It is expressly understood that in the event of the Consortium being selected as Successful Bidder, this Power of Attorney shall remain valid, binding and irrevocable until the Bidding Consortium achieves execution of all RFP Project Documents.

We, as the Member of the Consortium, agree and undertake to ratify and confirm all whatsoever the said Attorney/Lead Member has done on behalf of the Consortium Members pursuant to this Power of Attorney and the same shall bind us and deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

IN WITNESS WHEREOF M/s ……., as the Member of the Consortium have executed these presents on this…….. day of .....

For and on behalf of
Consortium Member

TRUE COPY

……
(Signature of the Authorized Signatory)

Name: ……
Designation: .....
Place: ……
Date: ……..

Name: ……
Designation: .....
Place: ……
Date: ……..

Accepted
Specimen signatures of attorney attested

…….
(Signature)

……

……

(Signature of Notary Public)

…… **(Name, Designation and Address of the Attorney)**

Place:……
Date: …….

Notes:

1. The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

2. Also, wherever required, the executant(s) should submit for verification the extract of the charter documents and documents such as a Board resolution / power of attorney, in favour of the Person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

3. In case of foreign Bidders, refer to clause 2.5.6 (p)

TRUE COPY

ANNEXURE 5 - FORMAT FOR BIDDER'S COMPOSITION AND OWNERSHIP STRUCTURE

1. Corporate Details:

Please provide the following information for the Bidder. If the Bidder is a Consortium, please provide this information for each Member including the Lead Member:

a. Company's Name, Address, and Nationality:

Name: ……

Address: ……
……
……

Website Address: ……..

Country of Origin: ……

b. Year Organized: ……..

c. Company's Business Activities: …….
.....

d. Status as a Bidder:

i. Bidding Company
ii. Lead Member of the Bidding Consortium
iii. Member of the Bidding Consortium

Note: tick the applicable serial number

e. Company's Local Address in India (if applicable):

……
……
……

f. Name of the Authorized Signatory: .....

g. Telephone Number: ……

h. Email Address: ……

i. Telefax Number: ……

j. Please provide the following documents:

i. Copy of the Memorandum and Articles of Association and certificate of incorporation or other equivalent organizational document (as applicable),

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including their amendments, certified by the Company Secretary as **Attachment 1** for Bidding Company / each Member of Bidding Consortium including Lead Member.

ii. Authority letter (as per format for authorization given below) in favour of BPC from the Bidder/every Member of the Consortium authorizing BPC to seek reference from their respective bankers & others as **Attachment 2** as per Clause 2.1.6 of the RFP.

2. Details of Ownership Structure:

Equity holding of Bidding Company/ each Member of Bidding Consortium including Lead Member owning 10% or more of total paid up equity.

Name of the Bidding Company / Consortium Member: …….
Status of equity holding as on ……

Name of the Equity Holder	Type and No. of Shares owned	Extent of Voting Control (%)
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
....		

Notes:

(i) The above table is to be filled in separately for each Consortium Member.
(ii) Status of equity holding should be provided not earlier than thirty (30) days prior to Bid Deadline.

For and on behalf of Bidding Company / Lead Member of the Bidding Consortium
M/s…….

……..
(Signature of authorized representative)
Name: ……..
Designation: ……

……..
(Stamp)

Date:……
Place:……

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FORMAT FOR AUTHORISATION

(In case of Bidding Consortium, to be given separately by each Member)
(On Non – judicial stamp paper duly attested by notary public. Foreign companies submitting bids are required to follow the applicable law in their country)

The undersigned hereby authorize(s) and request(s) all our Bankers, including its subsidiaries and branches, any person, firm, corporation or authority to furnish pertinent information deemed necessary and requested by **PFC Consulting Limited** to verify our Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission system for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** through tariff based competitive bidding process or regarding our project development experience, financial standing and general reputation.

For and on behalf of M/s……. (Insert Name of Bidding Company or Member of the Consortium)

.....
(Signature)

Name of Authorized Signatory:…….

(Signature and Name of the authorized signatory of the Company)

Place:……
Date:……

……..
(Company rubber stamp/seal)

…….
(Signature of Notary Public)

Place:……
Date:……

TRUE COPY

ANNEXURE 6 - FORMAT FOR CONSORTIUM AGREEMENT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign companies submitting bids are required to follow the applicable law in their country)

THIS CONSORTIUM AGREEMENT executed on this..... day of .....Two thousand.....between M/s....., a company incorporated under the laws of ..... and having its Registered Office at ..... (hereinafter called the "Party 1", which expression shall include its successors, executors and permitted assigns) and M/s.....a Company incorporated under the laws of ..... and having its Registered Office at ..... (hereinafter called the "Party n", which expression shall include its successors, executors and permitted assigns) and for the purpose of submitting the Bid, acquisition of **{..... (Insert the name of SPV)** in case of award) and entering into other Agreement(s) as specified in the RFP (hereinafter referred to as "Agreements") as may be entered into with the Maharashtra State Transmission Utility (STU).

WHEREAS, the BPC had invited Bid in response to RFP issued to ..... (insert the name of purchaser of RFP) for selection of the bidder as the Transmission Service Provider to establish Intra-State Transmission System for **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"**.

AND WHEREAS, Clause 2.2.4 of the RFP document stipulates that the Bidders qualifying on the strength of a Bidding Consortium will have to submit a legally enforceable Consortium Agreement in a format specified in the RFP document wherein the Consortium Members have to commit equity of a specific percentage in the Project.

AND WHEREAS, Clause 2.2.4 of the RFP document also stipulates that the Bidding Consortium shall provide along with the Bid, a Consortium Agreement as per prescribed format whereby the Consortium Members undertake to be liable for raising the required funds for its respective equity investment commitment as specified in Consortium Agreement.

NOW THEREFORE, THIS INDENTURE WITNESSTH AS UNDER:

In consideration of the above premises and agreement all the parties in this Consortium do hereby mutually agree as follows:

1. In consideration of the selection of the Consortium as the selected bidder by the BPC, we the Members of the Consortium and parties to the Consortium Agreement do hereby unequivocally agree that M/s..... (Insert name of the Lead Member), shall act as the Lead Member as defined in the RFP for self and agent for and on behalf of ....., ..., ..., ... (the names of all the other Members of the Consortium to be filled in here).

2. The Lead Member is hereby authorized by the Members of Consortium and parties to the Consortium Agreement to bind the Consortium and receive instructions for and on behalf of the Members.

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3. Notwithstanding anything contrary contained in this Consortium Agreement, the Lead Member shall always be liable for the equity investment obligations of all the Consortium Members, i.e., for both its own equity contribution as well as the equity contribution of other Members.

4. The Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all their respective equity obligations. Each Consortium Member further undertakes to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in this agreement.

5. Subject to the terms of this agreement, the share of each Member of the Consortium in the "issued equity share capital of the project company" shall be in the following proportion: (if applicable)

Name	Percentage of equity holding in the Project
Party 1	……..
……..	……..
Party n	……..
Total	**100%**

[**Note:** The percentage equity holding for any Consortium Member in the Project cannot be zero in the above table]

6. The Lead Member shall inter alia undertake full responsibility for liaising with lenders and mobilizing debt resources for the Project and achieving financial closure.

7. In case of any breach of any of the equity investment commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.

8. Except as specified in the Agreement, it is agreed that sharing of responsibilities as aforesaid and equity investment obligations thereto shall not in any way be a limitation of responsibility of the Lead Member under these presents.

9. It is further specifically agreed that the financial liability for equity contribution of Lead Member shall, not be limited in any way so as to restrict or limit its liabilities. The Lead Member shall be liable irrespective of their scope of work or financial commitments.

10. It is expressly understood and agreed between the Members that the responsibilities and obligations of each of the Members shall be as delineated as annexed hereto as **Appendix-I,** forming integral part of this Agreement. It is further agreed by the Members that the above sharing of responsibilities and obligations shall not in any way be a limitation of joint and several responsibilities and liabilities of the Members, with regards to all matters relating to the Project.

11. It is clearly agreed that the Lead Member shall ensure performance under the Agreements and if one or more Consortium Members fail to perform its /their respective obligations under the Agreement(s), the same shall be deemed to be a default by all the Consortium Members.

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12. This Consortium Agreement shall be construed and interpreted in accordance with the Laws of India and courts at **Delhi** alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.

13. It is hereby agreed that, the Lead Member shall furnish the bid bond, as stipulated in the RFP, on behalf of the Consortium Members.

14. It is hereby agreed that in case of selection of Bidding Consortium as the selected bidder, the parties to this Consortium Agreement do hereby agree that they shall furnish the contract performance guarantee on behalf of the TSP in favor of the Maharashtra State Transmission Utility (STU), as stipulated in the RFP and Transmission Service Agreement.

15. It is further expressly agreed that the Consortium Agreement shall be irrevocable and shall form an integral part of the RFP Project Document and shall remain valid till the execution of the Share Purchase Agreement, unless expressly agreed to the contrary by the Maharashtra State Transmission Utility (STU). Over the term of the Transmission Service Agreement, the provisions of TSA and MERC Regulations as amended from time to time shall apply on the Consortium Members.

16. The Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Consortium Members respectively from time to time in response to the RFP and for the purposes of the Project.

17. It is hereby expressly agreed between the parties to this Consortium Agreement that neither party shall assign or delegate its rights, duties or obligations under this Agreement except with the prior written consent of the Maharashtra State Transmission Utility (STU).

THIS CONSORTIUM AGREEMENT:

a. has been duly executed and delivered on behalf of each party hereto and constitutes the legal, valid, binding and enforceable obligation of each such party,

b. sets forth the entire understanding of the parties hereto with respect to the subject matter hereof;

c. may not be amended or modified except in writing signed by each of the parties and with prior written consent of the Maharashtra State Transmission Utility (STU).

IN WITNESS WHEREOF, the parties to the Consortium Agreement have, through their authorized representatives, executed these present on the Day, Month and Year first mentioned above.

For and on behalf of Consortium Member 1 (Party 1)
M/s…….

.....

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(Signature of authorized signatory)

Name: …….
Designation: .....
Place: ……..
Date: ……

For and on behalf of Consortium Member n (Party n)
M/s…….

.....
(Signature of authorized signatory)

Name: ……
Designation: .....
Place: ……
Date: ……..

Attested:
……..
(Signature)
(Notary Public)

Place:…….
Date:…….

Note: In case of foreign Bidders, refer to clause 2.5.6 (p)

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Appendix 1 to the Consortium Agreement:

Name of the Consortium Member	Responsibilities under the Consortium Agreement
M/s …… (Party 1)	
M/s ……	
M/s …… (Party n)	

TRUE COPY

ANNEXURE 7 A - FORMAT FOR QUALIFICATION REQUIREMENT

A. NET WORTH

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" through tariff based competitive bidding process

1. [Note: Applicable in case of Bidding Company]

We certify that the Financially Evaluated Entity(ies) had a Net-worth of Rs. …… Crore or equivalent USD* computed as per instructions in this RFP based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

Name of Financially Evaluated Entity(ies)	Relationship with Bidding Company**	Financial Year	Networth (Rs. Crore)
1. ……..			
2. ……..			
3. ……..			
….			
Total Networth			

*Equivalent USD shall be calculated as per provisions of Clause 3.4.1.
** The column for "Relationship with Bidding Company" is to be filled in only in case financial capability of Parent/Affiliate has been used for meeting Qualification Requirements.

2. [Note: Applicable in case of Bidding Consortium]

We certify that the Financially Evaluated Entity(ies) had a minimum Net-worth of Rs. …….. Crore or equivalent USD* computed as per instructions in the RFP and based on unconsolidated audited annual accounts (refer Note-2 below) of any of the last three (3) financial years as provided in Clause 2.2.3, immediately preceding the Bid Deadline. Also, the Networth of any of the last three (3) financial years is not negative.

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Name of Consortium Member	Equity Commitment in the Project (%)	Networth of Member (Rs. Crore)	Networth Requirement to be met by Member in proportion to the Equity Commitment (Rs. Crore)	Whether the Member meets the Networth Requirement
(1)	(2)	(3) (As per table below)	(4)= (2 x Total Networth requirement for the Project)	(5)
1. ……				Yes / No
2. ……				Yes / No
..				Yes / No
Total Networth for financial requirement				

Member – I (Lead Member)

[Note: Similar particulars for each Member of the Consortium is to be furnished, duly certified by the Member's Statutory Auditors]

i. Name of Member:.....

ii. Total Networth requirement: Rs …… Crore

iii. Percentage of equity commitment for the Project by the Member: ……%

iv. Networth requirement for the Member***: Rs. ……. Crore

v. Financial year considered for the Member: …….

Name of Financially Evaluated Entity(ies)	Relationship** with Member of Consortium	Financial Year	Net-worth (Rs. Crore)
1. …….			
2. …….			
3. …….			
Total Net-worth			

*Equivalent USD shall be calculated as per provisions of Clause 3.4.1;

** The column for "Relationship with Member of Consortium" is to be filled in only in case the financial capability of Parent / Affiliate has been used for meeting Qualification Requirements;

*** Networth requirement to be met by Member should be in proportion to the equity commitment of the Member for the Project.

TRUE COPY

Yours faithfully

……
(Signature and name of the authorized signatory of the Company and Stamp)

Name: ……
Date: ……
Place: ……

……
(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Consortium)

Name: ……
Date: ……
Place: ……

Date: ……

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of Net worth of last three (3) financial years duly certified by Statutory Auditor.

2. Audited consolidated annual accounts of the Bidder may be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.

3. In case Bidder or a Member of Consortium takes recourse to its Parent/Affiliate for meeting technical / financial requirements, then the financial years considered for such purpose should be same for the Bidder / Member of Consortium and their respective Parent / Affiliate.

TRUE COPY

ANNEXURE 7B - FORMAT FOR TECHNICAL REQUIREMENT

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" through tariff based competitive bidding process

1. To be used by Bidder using the development experience in infrastructure sector

We certify that M/s. …….. (Insert name of Technically Evaluated Entity(ies)) have experience of development of projects in the Infrastructure sector in the last five (5) years whose aggregate capital expenditure is Rs. …… Crore or equivalent USD*. We further certify that the capital expenditure of any single project considered for meeting the technical Qualification Requirement is not less than Rs. …… Crore or equivalent USD*. For this purpose, capital expenditure incurred on projects which have been either wholly completed / commissioned or partly completed projects put under commercial operation and for which operation has commenced till at least seven (7) days prior to the Bid Deadline has been considered.

The project(s) considered for the purpose of technical experience (as per table given below) have been executed and owned to the extent as indicated in the table below (to be atleast twenty – six percent (26%)) by the Bidding Company / Lead Member of the Consortium / our Parent / our Affiliate(s) [strike off whichever is not applicable] on operation of the projects.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed the project at (3)) whose technical capability has been used for Qualification Requirement	Relationship** with Bidding Company / Lead Member	Project name	Nature of Project (BOOT, BOT, BOOM, DBFOT etc.)	Relevant Infrastructure sector	Date of Financial Closure of the Project (in DD / MM / YYYY)	Date of Completion / Commissioning / Commercial Operation of partly completed projects	Project cost (Rs. Crore)	Percentage Equity Holding of Company at (1) in Completed project(s)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
……		……. (Project 1)						
……		…….						
Total (Rs. Crore)								

* Equivalent USD shall be calculated as per provisions of Clause ____

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** The column for "Relationship with Bidding Company / Lead Member" is to be filled in only in case technical capability of Parent/Affiliate has been used for meeting Qualification Requirements.

We further certify that the Company(ies) as indicated in column (1) of the above table, whose technical capability has / have been used for meeting the qualification requirement, has / have held shareholding respectively of atleast twenty – six percent (26%)from the date of financial closure till the date of commissioning / completion of the above project(s).

2. To be used by Bidder using construction experience in infrastructure sector.

We certify that M/s. …….. (Insert name of Technically Evaluated Entity(ies)) have received aggregate payments not less than Rs. ……. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1) from its client(s) for construction works fully completed during the last 5(five) financial years. We further certify that the payment received from each project shall not be less than Rs. ……. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1). For this purpose, payments received on projects that have been commissioned/completed at least seven (7) days prior to the Bid Deadline shall be considered. Further only the payments (gross) actually received, during such 5 (five) financial years shall qualify for purposes of computing the technical capacity.

We also confirm that construction works does not include cost of land supply of goods or equipment except when such goods or equipment form part of a turn-key construction contract/ EPC contract for the project.

This technical requirement has been calculated as per the instructions provided in the RFP on the basis of following projects:

Name of Company (which has executed theproject at (3)) whose technical capability has been used for Qualification Requirement	Relationship** with Bidding Company / LeadMember	Project name	Nature ofProject (EPC, Turnkey etc)	Relevant Infrastructure sector	Date of award of contract (in dd/mm/yy)	Date of Completion / Commissioning	Payment received (Rs. Crore)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
……		……. Project 1					
……		…….					
……		…….					
	Total (Rs. Crore)						

TRUE COPY

Yours faithfully

……..
(Signature and name of the authorized signatory of the Company and stamp)

Name:……..
Date:……..
Place:……..

……
(Signature and Stamp of statutory Auditors of Bidding Company/ Lead Member of Consortium)
Name:……..
Date:……..
Place:……..

Date:……

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of capital expenditure of projects duly certified by Statutory Auditor of the project company. In addition, the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed 7 days prior to Bid Deadline has been capitalized in the books of accounts.

   Additionally, in case construction experience is used, a certificate(s) from the statutory auditors stating the payments received and the concerned client(s) stating the works commissioned during the past 5 years in respect of the projects specified above. In case a particular job/ contract has been jointly executed by the Bidder (as part of a consortium), it should further support its claim for the share in work done for that particular job/ contract by producing a certificate from its statutory auditor or the client.

2. In case the accounts for the financial year in which the project claimed for meeting qualification requirement has been commissioned are not audited, the Bidder shall give declaration in this regard duly certified by its statutory auditor. In such a case, Bidder shall provide details of computation of capital expenditure of such project(s) duly certified by Statutory Auditor of the project company and the Statutory Auditor of the project company should also certify that the capital expenditure of projects commissioned or completed shall be capitalized in the books of accounts upon finalization.

3. The unconsolidated audited annual accounts of both the TEE and the Bidding Company / Lead Member for the respective financial years (financial years in which financial closure was achieved to the financial year in which the said project was completed / commissioned) should be submitted.

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ANNEXURE 7C –FORMAT FOR TECHNICAL & FINANCIAL REQUIREMENT RELATIONSHIP & DETAILS OF EQUITY SHAREHOLDING

[To be filled by Bidding Company / each Member of the Bidding Consortium including Lead Member if credentials of Parent and / or Affiliates have been used by them]

To,
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bid for selection of Bidder as Transmission Service Provider to establish Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" through tariff based competitive bidding process

We certify that M/s. ……. (insert name of the **Bidding Company / Consortium Members**) have considered the technical and financial capability of its Parent and / or Affiliates, for the purpose of meeting Qualification Requirements as per the instructions provided in the RFP. The name of Parent and / or Affiliate, nature of relationship(s) with such Parent and / or Affiliate and details of equity holding are as follows:

Name of Company whose credentials considered	Type of credentials considered (technical and / or financial)	Relationship with Bidding Company / Consortium Member (Parent / Affiliate)	Details of equity shareholding (refer notes below)
Company 1			
…….			
…….			
…….			
…….			

NOTES:

i. In case of Parent, the equity holding of the Parent in the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, need to be specified.

ii. In case of Affiliate under direct control of Bidder, the equity holding of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium in the Affiliate, needs to be specified.

iii. In case of Affiliate under common control of Parent, the equity holding of the Parent in the Affiliate of the Bidding Company / Member of the Bidding Consortium, including the Lead Member of the Consortium, needs to be specified.

iv. Relationship of Parent / Affiliate with Bidding Company / Member of Consortium to be at the most seven (7) days prior to the Bid Deadline (as per Clause 2.1.4 of RFP)

TRUE COPY

Yours faithfully

……
(Signature and name of the authorized signatory of the Company and stamp)

Name:……
Date:……
Place:……

……
(Signature and Stamp of statutory Auditors of Bidding Company / each Member of Bidding Consortium)

Name:……..
Date:……..
Place:……..
Date: ……..

TRUE COPY

ANNEXURE 7D - ADDITIONAL INFORMATION
FOR VERIFICATION OF FINANCIAL AND TECHNICAL CAPABILITIES OF BIDDERS

…….

(Name of Bidder (Bidding Company/ Bidding Consortium or Technically/Financially Evaluated Entity(ies))

(Note: In case of Consortium, details to be filled in by Lead Member for each Member of the Consortium including the Lead Member and in case of the qualification requirements of Technically / Financially Evaluated Entity(ies) being used, to be filled by each of such entity(ies)

i. Financial capability (Attachment 1):

1. Bidders shall attach unconsolidated / consolidated audited annual accounts, statements, as the case may be, (refer Clause 2.1.3) for the last three (3) financial years as Attachment 1. Such unconsolidated audited annual accounts shall include a Balance Sheet, Profit and Loss Account, Auditors Report and profit appropriation account.

ii. Technical capability (Attachment 2):

a. This attachment shall include details of projects completed/commissioned or partly completed projects for which commercial operation has commenced to be considered for the purpose of meeting Qualification Requirements.

1. To be used by Bidder using development experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Capital cost of project(s) Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., BOO, BOOT, BOOM;

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- Debt financing and equity raised and provided by Bidder/Bidder's Parent/Bidder's Affiliate for the project, including names of lenders and investors;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Clearances taken by the Bidder/Bidder's Parent/Bidder's Affiliate including but limited to right-of-way (RoW), forest clearance and other statutory / Govt. clearances.
- Cost data (breakdown of major components)
- Name of EPC and/or other major contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

2. To be used by Bidder using construction experience in infrastructure sector

Particulars	Year 1	Year 2	Year 3	Year 4	Year 5
Name(s) of project(s) from Infrastructure sectors					
Location(s) including country(s) where project was set up					
Nature of Project					
Voltage level (if any)					
Revenue received Rs. in Crore					
*Status of the project					
% of equity owned in the project(s)					

***Note 1:** Date of completion/commissioning/commercial operation to be mentioned

Note 2: For each project listed in the table, the Bidder shall furnish an executive summary including the following information:

- Project model, i.e., EPC, Turnkey;
- Size and type of installation;
- Technical data/information on major equipment installed
- Description of role performed by the Bidder/Bidder's Parent/Bidder's Affiliate on the project
- Cost data (breakdown of major components)

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- Name of sub-contractor
- Construction time for the project
- Names, addresses and contact numbers of owners of the projects
- Operating reliability over the past five (5) years or since date of commercial operation
- Operating environmental compliance history
- Names of supervisory entities or consultant, if any
- Date of commercial operation
- Total duration of operation

iii. Attachment-3:

a. For each project listed in Attachment 2 above, certificates of final acceptance and/or certificates of good operating performance duly issued by owners for the project and the same shall be certified as true by authorized signatory of the Bidding Company or the Lead Member of Consortium). In case the project listed in Attachment 2 is under BOOT / DBFOT mechanism, the certificates of final acceptance and/or certificates of good operating performance must be issued by the authority / independent engineer of the project as defined in the respective project agreement.

For and on behalf of Bidding Company/Consortium

M/s…….

……
(Signature of authorized signatory)

Name: ……
Designation: ……
Date: ……
Place: ……

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ANNEXURE 8 -UNDERTAKING AND DETAILS OF EQUITY INVESTMENT

Format 1: Bidders' Undertakings

[On the Letter Head of the Bidding Company/Lead Member of Bidding Consortium]

Date: .....

To,

PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi - 110001

Dear Sir,

Sub: Bidders' Undertakings in respect of Bid for selection of Bidder as TSP to establish Intra-State transmission system for Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad).

We hereby undertake on our own behalf and on behalf of the TSP, that if selected as the Successful Bidder for the Project:

1. The Project shall comply with all the relevant electricity laws, codes, regulations, standards and Prudent Utility Practices, environment laws and relevant technical, operational and safety standards, and we shall execute any agreements that may be required to be executed as per law in this regard.

2. We confirm that the Project shall also comply with the standards and codes as per Clause 1.6.1.2 of the RFP and the TSP shall also comply with the provisions contained in the MERC (Transmission Open Access) Regulations, 2016 and as amended from time to time.

3. We give our unconditional acceptance to the RFP dated 04/11/2025 issued by the BPC and the RFP Project Documents, as amended, and undertake to ensure that the TSP shall execute all the RFP Project Documents, as per the provisions of this RFP.

4. We have submitted the Bid on the terms and conditions contained in the RFP and the RFP Project Documents. Further, the Financial Bid submitted by us is strictly as per the format provided in Annexure 21 of the RFP, without mentioning any deviations, conditions, assumptions or notes in the said Annexure.

5. Our Bid is valid up to the period required under Clause 2.8 of the RFP.

6. Our Bid has been duly signed by authorized signatory and stamped in the manner and to the extent indicated in this RFP and the power of attorney / Board resolution in requisite format as per RFP has been enclosed with this undertaking.

7. We have assumed that if we are selected as the Successful Bidder, the provisions of the Consortium Agreement, to the extent and only in relation to equity lock in and our liability

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thereof shall get modified to give effect to the provisions of Clause 2.5.8 of this RFP and Article 18.1 of the Transmission Service Agreement. ***(Note:*** *This is applicable only in case of a Bidding Consortium)*

8. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor–1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos.	24 months from Effective Date	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.

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Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	• 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.			
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)			
Note: Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*) a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing) In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters				

We agree that the payment of Transmission Charges for any Element irrespective of its successful commissioning on or before its Scheduled COD shall only be considered after the successful commissioning of Element(s) which are pre - required for declaring the commercial operation of such Element as mentioned in the above table.

Scheduled COD for the Project: 24 months from the Effective Date

9. We confirm that our Financial Bid conforms to all the conditions mentioned in this RFP, and in particular, we confirm that:

   a. Financial Bid in the prescribed format of Annexure 21 has been submitted duly signed by the authorized signatory.

   b. Financial Bid is unconditional.

   c. Only one Financial Bid has been submitted.

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10. We have neither made any statement nor provided any information in this Bid, which to the best of our knowledge is materially inaccurate or misleading. Further, all the confirmations, declarations and representations made in our Bid are true and accurate. In case this is found to be incorrect after our acquisition of **……. (Insert the name of SPV)**, pursuant to our selection as Selected Bidder, we agree that the same would be treated as a TSP's Event of Default under Transmission Service Agreement, and relevant provisions of Transmission Service Agreement shall apply.

11. We confirm that there are no litigations or other disputes against us which materially affect our ability to fulfill our obligations with regard to the Project as per the terms of RFP Project Documents.

12. Power of attorney/ Board resolution as per Clause 2.5.2 is enclosed.

Signature and name of the authorized signatory of the Company and stamp of Bidding Company or Lead member of Consortium

Note:

1. In case of foreign Bidders, refer to clause 2.5.6 (p)

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Format 2: Details of equity investment in Project

1.1. a Name of the Bidding Company/ Bidding Consortium:

1.1. b Name of the Lead Member in the case of a Bidding Consortium:

1.2 Investment details of the Bidding Company/Member of the Bidding Consortium investing in **……. (Insert the name of SPV)** as per Clause 2.5.8.2.

S. No.	Name of the Bidding Company/ Member in case of a Bidding Consortium	Name of the Company investing in the equity of the	Relationship with Bidding Company /Member of the Bidding Consortium	% of equity participation in the .....
(1)	(2)	(3)	(4)	(5)
TOTAL				100%

* In case the Bidder proposes to invest through its Affiliate(s) / Parent Company / Ultimate Parent Company, the Bidder shall declare shareholding pattern of such Affiliate(s) / Parent Company / Ultimate Parent Company and provide documentary evidence to demonstrate relationship between the Bidder and the Affiliate(s) / Parent Company / Ultimate Parent Company. These documentary evidences could be, but not limited to, demat account statement(s) / Registrar of Companies' (ROC) certification / share registry book, etc duly certified by Company Secretary.

Members of the Consortium or the Bidding Company making investment in the equity of the **..... (Insert the name of SPV)** themselves to fill in their own names in the column (3)

Signature and Name of authorized signatory in whose name power of attorney has been issued

Signature of authorized signatory

Name: ……

Designation: ……..

Date……

Company rubber stamp

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ANNEXURE 9 -AUTHORISATION FROM PARENT / AFFILIATE OF BIDDING COMPANY / MEMBER OF BIDDING CONSORTIUM WHOSE TECHNICAL / FINANCIAL CAPABILITY HAS BEEN USED BY THE BIDDING COMPANY / MEMBER OF BIDDING CONSORTIUM.

[On the Letter Head of the Parent /Affiliate]

Name: …….
Full Address:…….
Telephone No.: ……..
E-mail address: ……..

To
PFC Consulting Limited
9th Floor, Wing-A, Statesman House,
Connaught Place, New Delhi – 110001.

Dear Sir,

Sub: Authorization for use of Technical / Financial Capability of M/s……. (Insert name of Parent / Affiliate) by M/s …….. (Insert name of Bidding Company / Member of Bidding Consortium).

We refer to the RFP dated 04/11/2025 ('RFP') issued by you for selection of Bidder as Transmission Service Provider for establishing the Intra-State Transmission System for **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)".**

We confirm that M/s. ……. (Insert name of Bidding Company/ Consortium Member) has been authorized by us to use our technical and/or financial capability [strikeout whichever is not applicable] for meeting the Qualification Requirements for **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)".**

We have carefully read and examined in detail the RFP including in particular, Clause 2.1.4 of the RFP, and we are also submitting legally binding undertaking supported by a board resolution that all the equity investment obligations of M/s……. (Insert Name of Bidding Company / Consortium Member), shall be deemed to be our equity investment obligations and in the event of any default the same shall be met by us.
For and on behalf of M/s……. (Insert Name of Parent / Affiliate)

……
(Signature and Name of the authorized signatory of the Company and stamp)

Name:…….
Date:…….
Place:…….

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Notes:

1. The above undertaking can be furnished by Ultimate Parent of Technically Evaluated Entity or Financially Evaluated Entity, as the case maybe, if legally binding undertaking is also furnished by the Ultimate Parent on behalf of such Financially Evaluated Entity/Technically Evaluated Entity.

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ANNEXURE 10- FORMAT OF UNDERTAKING BY TECHNICALLY / FINANCIALLY EVALUATED ENTITY / ULTIMATE PARENT COMPANY

[On the Letter Head of the Technically / Financially Evaluated Entity / Ultimate Parent Company]

Name: ……

Full Address: ……

Telephone No.:……

E-mail address:……

Fax/No.: …….

To:
Chief Executive Officer
PFC Consulting Limited
9thFloor, Wing-A, Statesman House,
Connaught Place, New Delhi – 110001

Sub: **Undertaking for equity investment**

Dear Sir,

We refer to the Request for Proposal dated 04/11/2025 ('RFP') issued by you regarding setting up of Intra-State transmission system for "**Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)**" Project on build, own, operate and transfer basis.

We have carefully read and examined in detail the RFP and the RFP Project Documents, including in particular, Clause 2.1.4 of the RFP and Clauses 2.5.2 and 2.5.8 of the RFP, regarding submission of an undertaking regarding the investment in the equity share capital of **…… (Insert the name of SPV)** and provisions for minimum equity holding and equity lock-in. We have also noted the amount of the equity investment required to be made in **…… (Insert the name of SPV)** by the ……[Insert the name of the Bidder or the Consortium Member] for the Project.

In view of the above, we hereby undertake to you and confirm that in the event of failure of ……[Insert the name of the Bidder or the Consortium Member] to invest in full or in part, in the equity share capital of **…… (Insert the name of SPV)** as specified in the Bid, we shall invest the said amount not invested by……..[Insert the name of the Bidder or the Consortium Member] in **……** by purchase of existing shares or subscribing to the new shares of **…… (Insert the name of SPV)**, as stipulated by you.

We have attached hereto certified true copy of the Board resolution whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFP.

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Certified as true.

……..

(Signature and Name of the authorized signatory of the Company and stamp)

Note:

1. Wherever required, extract of the charter documents and documents such as a Board resolution should be submitted for verification.

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ANNEXURE 11 - FORMATS FOR BOARD RESOLUTIONS

Format 1

Format of the Board resolution for the Bidding Company / each Member of the Consortium / investing Affiliate / Parent Company / Ultimate Parent Company, where applicable

[Reference Clause 2.5.2 of the RFP and the illustrations in Annexure 11A]

[Note: The following resolution no.1 needs to be passed by the Boards of each of the entity/(ies) making equity investment]

The Board, after discussion, at the duly convened Meeting on …….. [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956/2013, passed the following Resolution:

1. **RESOLVED THAT** pursuant to the provisions of the Companies Act, 1956 / Companies Act 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for investment of…….% (……per cent) of the total equity share capital of ..... **(Insert the name of SPV)** representing the entire amount proposed to be invested by the company for the transmission system for **Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)**, partly by acquisition of the existing equity shares from PFC Consulting Limited and / or partly by subscribing to the new equity shares, as per the terms of the RFP.

   [Note: Equity investment obligations by the Bidding Company/each Member of the Bidding Consortium/investing Affiliate or Parent or Ultimate Parent should add up to 100%.]

   [Note: In the event the Bidder is a Bidding Consortium, the following Board resolution no. 2 also needs to be passed by the Lead Member of the Bidding Consortium]

2. **RESOLVED THAT** approval of the Board be and is hereby accorded to contribute such further amount over and above the ;……. percentage (__%) limit to the extent becoming necessary towards the total equity share in the ..... **(Insert the name of SPV)**, obligatory on the part of the company pursuant to the terms and conditions contained in the Consortium Agreement dated ……executed by the company as per the provisions of the RFP.

   [Note: In the event, the investing entity is an Affiliate or Parent or Ultimate Parent of the Bidder, the following Board resolution no. 3 shall also be passed by the Bidder]

3. **FURTHER RESOLVED THAT** the Board hereby acknowledges the Board Resolution(s) passed by the…….. [Name of the Affiliate(s)/ Parent / Ultimate Parent] regarding the investment of…….(….%) of the equity share capital requirements of ..... **(Insert the name of SPV)**, which is to be invested by the ……[Name of the Affiliate(s)/ Parent / Ultimate Parent] for the ..... **(Insert the name of SPV)** partly by acquisition of the existing equity shares from PFC Consulting Limited and partly by subscribing to the new equity shares, as per the terms of the RFP.

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[Note: The following resolution no. 4 is to be provided by the Bidding Company / Lead Member of the Consortium only]

4. **FURTHER RESOLVED THAT** MR/MS ……..be and is hereby authorized to take all the steps required to be taken by the Company for submission of the Bid, including in particular, signing of the Bid, making changes thereto and submitting amended Bid, all the documents related to the Bid, certified copy of this Board resolution or letter or undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

Certified True Copy

Company rubber stamp to be affixed

[Notes:

1) This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole Time Director/ Manager (supported by a specific board resolution) of the Bidding Company or the Lead Member of Consortium.

2) The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution, i.e., the Bidding Company, each Member of the Bidding Consortium.

3) This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.]

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Format 2

Format for the Board resolution of Technically / Financially Evaluated Entity / Ultimate Parent Company (in case credentials of such TEE/ FEE has been utilized by the Bidding Company or Bidding Consortium)

The Board, after discussion, at the duly convened Meeting on …… [Insert date], with the consent of all the Directors present and in compliance of the provisions of the Companies Act, 1956 / 2013, passed the following Resolution:

1. **RESOLVED THAT** pursuant to the provisions of the Companies Act, 1956 / Companies Act, 2013 (as the case may be) and compliance thereof and as permitted under the Memorandum and Articles of Association of the company, approval of the Board be and is hereby accorded for issuing an Undertaking to the BPC, in the format specified in the RFP issued by the BPC, draft of which is attached hereto and initialed by the Chairman whereby the company undertakes to invest ……..percent (.... %) of the total equity share capital of ..... **(Insert the name of SPV)** representing the entire amount proposed to be invested by ……[insert the name of the Bidder or Member] for the said Project, in case of failure of ……[Insert the name of the Bidder or Member] to make such investment".

2. **FURTHER RESOLVED THAT** ,be and is hereby authorized to take all the steps required to be taken by the Company, including in particular, signing the said Undertaking, submitting the same to the BPC through ……[Insert name of Bidding Company/Lead Member of the Consortium] of all the related documents, certified copy of this Board resolution or letter, undertakings etc, required to be submitted to BPC as part of the Bid or such other documents as may be necessary in this regard.

   Certified True Copy

   Company rubber stamp to be affixed

Note:

1. This certified true copy should be submitted on the letterhead of the Company, signed by the Company Secretary or any Whole-time Director/Manager (supported by a specific board resolution) of Bidding Company or Lead Member of the Consortium.

2. The contents of the format may be suitably re-worded indicating the identity of the entity passing the resolution.

3. This format may be modified only to the limited extent required to comply with the local regulations and laws applicable to a foreign entity submitting this resolution. For example, reference to Companies Act 1956 / Companies Act 2013 (as the case may be) may be suitably modified to refer to the law applicable to the entity submitting the resolution. However, in such case, the foreign entity shall submit an unqualified opinion issued by the legal counsel of such foreign entity, stating that the Board resolutions are in compliance with the applicable laws of the respective jurisdictions of the issuing company and the authorizations granted therein are true and valid.

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ANNEXURE 11A – ILLUSTRATION FOR APPLICABLE BOARD RESOLUTION REQUIREMENTS UNDER CLAUSE 2.5.2

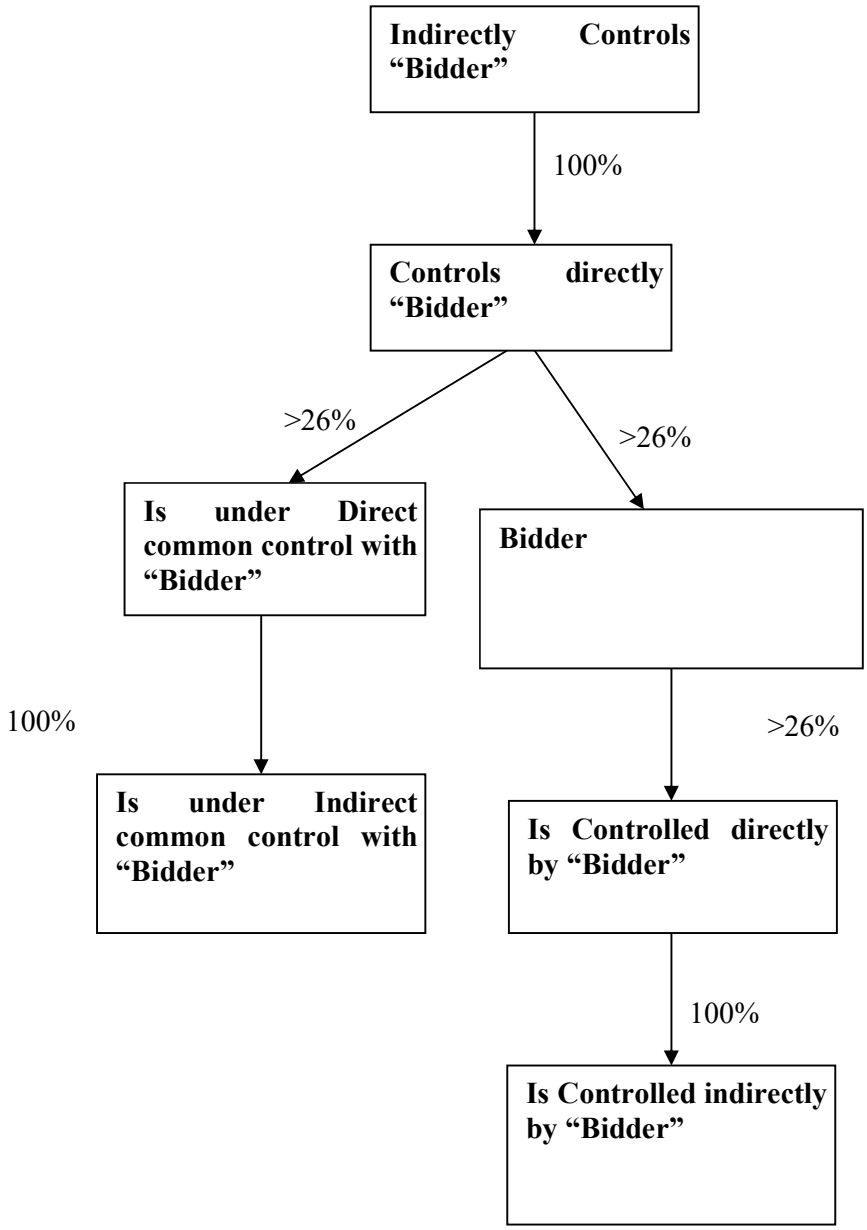
Investor in the TSP	Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria	Applicable Board Resolutions	Requirement of Undertaking (Annexure 10)
Bidder himself for 100% equity	None	a) Format 1 of Annexure 11 - Resolution: 1, 2 and 4 from the Bidder	None
Bidder himself for 100% equity	Affiliate and/or Parent Company and/or Ultimate Parent	a) Format 1 of Annexure 11 - Resolution: 1, 2, and 4 from the Bidder b) Format 2 of Annexure 11 by either Technically/ Financially Evaluated Entity(ies) whose credentials have been used, or Ultimate Parent. Provided, if the Bidder himself is the Ultimate Parent, then Format 2 need not be provided.	Yes, by either Technically / Financially Evaluated Entity(ies) Affiliate(s) whose credentials have been used, or Ultimate Parent. Provided, if the Bidder himself is the Ultimate Parent, then the undertaking need not be provided.
Bidder himself + others (Affiliate and/or Parent Company and/or Ultimate Parent) in aggregate holding 100% equity	None	a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and4 from the Bidder. b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and /or Parent and /or Ultimate Parent investing in the equity	None
Bidder himself + others (Affiliate and/or Parent Company	Affiliate and/or Parent Company and/or Ultimate Parent	a) Format 1 of Annexure 11 - Resolution: 1,2, 3 and 4 from the Bidder.	Yes, by either Parent/ Affiliate(s) whose credentials have been used, or Ultimate Parent

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and/or Ultimate Parent) in aggregate holding 100% equity		b) Format 1 of Annexure 11 - Resolution: 1 from the Affiliate and/or Parent and/or Ultimate Parent investing in the equity c) Format 2 of Annexure 11 by either Parent / Affiliate(s) whose credentials have been used and /or Ultimate Parent investing in the equity	

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ANNEXURE 12 - FORMAT FOR ILLUSTRATION OF AFFILIATES



NOTE: **Bidder to provide the illustration, as applicable in their case, duly certified by the Company Secretary and supported by documentary evidence in this regard.**

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ANNEXURE 13 - FORMAT FOR DISCLOSURE

[On the letter head of Bidding Company / Each Member in a Bidding Consortium]

Date: ……

DISCLOSURE

We hereby declare that the following companies with which we/ have direct or indirect relationship are also separately participating in this Bid process as per following details

S. No.	Name of the Company	Relationship
1.		
2.		
3.		

In case there is no such company please fill in the column "name of the company" as Nil.

Further we confirm that we don't have any Conflict of Interest with any other company participating in this bid process.

Certified as True

……..
(Signature)

Name:.....

Signature & Name of authorized signatory of the Company and Stamp

The above disclosure should be signed and certified as true by the authorized signatory of the Bidding Company or of the Member, in case of a Consortium).

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ANNEXURE 14 - FORMAT OF THE BID BOND

FORMAT OF THE UNCONDITIONAL AND IRREVOCABLE BANK GUARANTEE FOR BID BOND

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

In consideration of the .....[Insert name of the Bidder] submitting the Bid inter alia for establishing the Intra-State transmission system for **Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)** on build, own, operate and transfer basis, in response to the RFP dated 04/11/2025 issued by PFC Consulting Limited , and the Bid Process Coordinator (hereinafter referred to as BPC) agreeing to consider such Bid of …… [Insert the name of the Bidder] as per the terms of the RFP, the [Insert name and address of the bank issuing the Bid Bond, and address of the Head Office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to _____[Name of BPC] or its authorized representative at _____[Address of BPC] forthwith on demand in writing from _____[Name of BPC] or any representative authorized by it in this behalf, any amount up to and not exceeding Rupees _____ Only (Rs _____ Crore),on behalf of M/s…….[Insert name of the Bidder].

This guarantee shall be valid and binding on the Guarantor Bank up to and including …… [Date to be inserted on the basis of Clause 2.11 of this RFP] and shall not be terminable by notice or any change in the constitution of the Guarantor Bank or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between concerned parties.

Our liability under this Guarantee is restricted to Rupees _____ Only (Rs ____ Crore). Our Guarantee shall remain in force until ……..[Date to be inserted on the basis of Clause 2.11 of this RFP]. _____[Name of BPC] or its authorized representative shall be entitled to invoke this Guarantee until …… [Insert Date, which is three sixty five days (365) days after the date in the preceding sentence]. The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from _____[Name of BPC] or its authorized representative, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to _____[Name of BPC] or its authorized representative.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection, disputes, or disparities raised by the Bidder or any other person. The Guarantor Bank shall not require _____[Name of BPC] or its authorized representative to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against _____[Name of BPC] or its authorized representative in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

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This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly _____[Name of BPC] or its authorized representative shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder to enforce any security held by _____[Name of BPC] or its authorized representative or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ Only (Rs ____ Crore) and it shall remain in force until …… [Date to be inserted on the basis of Clause 2.11 of RFP], with an additional claim period of three hundred sixty five (365) days thereafter. We are liable to pay the guaranteed amount or any part thereof under this BANK GUARANTEE only if _____[Name of BPC] or its authorized representative serves upon us a written claim or demand.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this…….. day of .....at……

Witness:

1……. Signature: ……..

Name and Address Name:…….

Designation with Stamp:

2. ……..
Name and Address

Signature ……..

Attorney as per power of attorney No.……

For:
…… [Insert Name of the Bank]

Banker's Stamp and Full Address:

Dated this……day of…… 20……..

Notes:

TRUE COPY

1. The Stamp Paper should be in the name of the Executing Bank.

TRUE COPY

ANNEXURE 14 A - FORMAT OF THE SURETY BOND
FOR BID SECURITY FORMAT OF THE SURETY BOND
(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

In consideration of the .....[Insert name of the Bidder] submitting the Bid inter alia for establishing the Inter-State transmission system for _____[Name of Project] on build, own, operate and transfer basis, in response to the RFP dated _____ issued by _____[Name of BPC], and the Bid Process Coordinator (hereinafter referred to as BPC) agreeing to consider such Bid of …… [Insert the name of the Bidder] as per the terms of the RFP, the [Insert name of Surety Insurer issuing the surety bond and address of Head Office] (hereinafter referred to as "Surety Insurer") hereby agrees unequivocally, irrevocably and unconditionally to pay to _____[Name of BPC] or its authorized representative at _____[Address of BPC] forthwith on demand in writing from _____[Name of BPC] or any representative authorized by it in this behalf, any amount up to and not exceeding Rupees _____ Only (Rs _____ Crore) (the "Surety Bond"),on behalf of M/s……[Insert name of the Bidder].

This surety bond shall be valid and binding on the Surety Insurer up to and including …… [Date to be inserted on the basis of Clause 2.11 of this RFP] and shall not be terminable by notice or any change in the constitution of the Surety Insurer or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between concerned parties.

Our liability under this Surety Bond is restricted to Rupees _____ Only (Rs ____ Crore). The Surety Bond shall remain in force until ……..[Date to be inserted on the basis of Clause 2.11 of this RFP]. _____ [Name of BPC] or its authorized representative shall be entitled to invoke this Surety bond until …… [Insert Date, which is one hundred eighty (180) days after the date in the preceding sentence]. The Surety Insurer hereby expressly agrees that it shall not require any proof except for the written demand from _____ [Name of BPC] or its authorized representative, made in any format, raised at the above mentioned address of the Surety Insurer, in order to make the said payment to _____ [Name of BPC] or its authorized representative.

The Surety Insurer shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection, disputes, or disparities raised by the Bidder or any other person. The Surety Insurer shall not require _____ [Name of BPC] or its authorized representative to justify the invocation of this surety bond, nor shall the Surety Insurer have any recourse against _____ [Name of BPC] or its authorized representative in respect of any payment made hereunder.

This Surety Bond shall be interpreted in accordance with the laws of India.

The Surety Insurer represents that this Surety Bond has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Surety Insurer in the manner provided herein.

This Surety Bond shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Surety Insurer.

TRUE COPY

This Surety Bond shall be a primary obligation of the Surety Insurer and accordingly _____[Name of BPC] or its authorized representative shall not be obliged before enforcing this Surety Bond to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder to enforce any security held by _____[Name of BPC] or its authorized representative or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

The Surety Insurer declares that it has power to issue this Surety Bond and discharge the obligations contemplated herein, the undersigned is duly authorised and has full power to execute this Surety Bond for and on behalf of the Surety Insurer.

Notwithstanding anything contained hereinabove, our liability under this surety bond is restricted to Rupees _____ Only (Rs ____ Crore) and it shall remain in force until …… [Date to be inserted on the basis of Clause 2.11 of RFP], with an additional claim period of one hundred eighty (180) days thereafter. We are liable to pay the guaranteed amount or any part thereof under this Surety Bond only if _____ [Name of BPC] or its authorized representative serves upon us a written claim or demand.

In witness where of:

Signature……..

Name: ……

Power of attorney No/ Employee No. as applicable.: ……..

For:

…… [Insert Name of the Surety-Insurance Company]
Banker's Seal and Full Address, including mailing address of the Head Office

Notes:

1. The Stamp Paper should be in the name of the Executing Insurance Company.

TRUE COPY

ANNEXURE 14B - Format of Payment on Order Instrument to be issued by IREDA/REC/PFC (to be submitted separately for each Project)

No. Date

…..... [Insert name of BPC]

Reg: M/s (insert name of the bidding entity) - Issuance of Payment on Order Instrument for an amount of Rs.

Dear Sir,

1. At the request of M/s.…… (Insert name of the bidding entity), this Payment on Order Instrument (POI) for an amount of Rs…… (Rupees (In words)) is being issued by M/s. (Insert Name of the POI issuing Agency) ('IREDA/REC/PFC'). This Payment on Order Instrument comes into force immediately.
2. In consideration of the ……. [Insert name of the Bidding Entity] (hereinafter referred to as 'Bidder') submitting the response to RFP issued by [Insert name of BPC] for the project …… [Insert name of the project] and [Insert name of BPC] considering such response to the RfP of M/s…….. [Insert the name of Bidding Entity] as per the terms of the RFP, the …….. [Insert name & address of IREDA/PFC/REC] hereby agrees unequivocally, irrevocably and unconditionally to pay to [Insert name of BPC] at [Insert Name of the Place from the address of the BPC] forthwith without demur on demand in writing from …… [Insert name of BPC] or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees [Insert amount not less than the bid bond value indicated in RFP] only, on behalf of M/s. [Insert name of the Bidding Entity].
3. In consideration of the above facts, IREDA/REC/PFC, having its registered office at …… agrees to make payment for the sum of Rs (in words ……) to …….. [Insert name of BPC] on the following conditions:

   (a) IREDA/REC/PFC agrees to make payment of the above said amount unconditionally, without demur and without protest within a period of _____ days of receipt of request from [Insert name of BPC] within the validity period of this letter as specified herein;

   (b) The commitment of IREDA/REC/PFC, under this Payment on Order Instrument will have the same effect as that of the commitment under the Bank Guarantee issued by any Public Sector Bank and shall be enforceable in the same manner as in the case of a Bank Guarantee issued by a Bank and the same shall be irrevocable and shall be honoured irrespective of any agreement or its breach between IREDA/REC/PFC or its constituents notwithstanding any dispute that may be raised by them against [Insert name of BPC];

TRUE COPY

(c) The liability of IREDA/REC/PFC continues to be valid and binding on IREDA/REC/PFC and shall not be terminated, impaired, and discharged by virtue of change in its constitution and specific liability under this POI shall be binding on its successors or assignors;

(d) The liability of IREDA/REC/PFC shall continue to be valid and binding on IREDA/REC/PFC and shall not be terminated/impaired/discharged by any extension of time or variation and alteration made, given or agreed with or without knowledge or consent of the parties ([Insert name of BPC] and Bidder), subject however to the maximum extent of amount stated herein and IREDA/REC/PFC is not liable to any interest or costs etc.;

(e) This Payment on Order Instrument can be invoked either partially or fully, till the date of validity;

(f) IREDA/REC/PFC agrees that it shall not require any proof in addition to the written demand by [Insert name of BPC] made in any format within the validity period. IREDA/REC/PFC shall not require [Insert name of BPC] to justify the invocation of the POI against the Bidder, to make any claim against or any demand against the Bidder or to give any notice to the Bidder;

(g) The POI shall be the primary obligation of IREDA/REC/PFC and …….. [Insert name of BPC] shall not be obliged, before enforcing the POI, to take any action in any court or arbitral proceedings against the Bidder;

(h) The POI shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other changes in constitution of IREDA/REC/PFC;

(i) Neither the …….. [Insert name of BPC] is required to justify the invocation of this POI nor shall IREDA/REC/PFC have any recourse against the …….. [Insert name of BPC] in respect of the payment made under this POI.

4. Notwithstanding anything contrary contained anywhere in this POI or in any other documents, this POI is and shall remain valid up to [Insert the date of validity of the POI as per Clause 2.11.1 of the RFP], with an additional claim period of three hundred and sixty-five (365) days thereafter and IREDA/REC/PFC shall make payment thereunder only if a written demand or request is raised within the said date and to the maximum extent of Rs…….. and IREDA/REC/PFC shall in no case be liable for any interest, costs, charges, and expenses and IREDA's/REC's/PFC's liability in no case will exceed more than the above amount stipulated.

5. In pursuance of the above, IREDA/REC/PFC and [Insert name of BPC] have signed an Umbrella Agreement dated …… setting out the terms and conditions for issue of letter of undertaking by IREDA/REC/PFC to …….. [Insert name of BPC] and the said terms and conditions shall be read as a part of this POI issued for the project of PP mentioned above.

Thanking you,

Yours faithfully

TRUE COPY

For and on behalf of

M/s……

(Name of the POI issuing agency)

( )

General Manager

Copy to

M/s……. as per their request

( )

General Manager

TRUE COPY

ANNEXURE 15 - FORMAT FOR CONTRACT PERFORMANCE GUARANTEE

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign entities submitting Bids are required to follow the applicable law in their country)

In consideration of the …… [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated …… and the other RFP Project Documents and the Maharashtra State Transmission Utility (STU) and ……_[Name of BPC], agreeing to execute the RFP Project Documents with the Selected Bidder, regarding setting up the Project, the……[Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to the Maharashtra State Transmission Utility (STU) at…… [Insert Place and Address of the Maharashtra State Transmission Utility (STU) indicated in TSA] forthwith on demand in writing from the Maharashtra State Transmission Utility (STU) any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees……Crores (Rs……..) only [Insert the amount of the bank guarantee] on behalf of M/s…… [Insert name of the Selected Bidder / SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and including ……and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rupees ……. Crores (Rs……) only. Our Guarantee shall remain in force until…… [Insert the date of validity of the Guarantee as per Clause 2.12.1 of the RFP]. The Maharashtra State Transmission Utility (STU) shall be entitled to invoke this Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from the Maharashtra State Transmission Utility (STU), made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to the Maharashtra State Transmission Utility (STU).

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by _____[Name of SPV], …… [Insert name of the Selected Bidder], …… [Insert name of the TSP] and/or any other person. The Guarantor Bank shall not require the Maharashtra State Transmission Utility (STU) to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against the Maharashtra State Transmission Utility (STU) in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India.

TRUE COPY

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly the Maharashtra State Transmission Utility (STU) shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against _____[Name of SPV] or the Selected Bidder, to make any claim against or any demand on _____[Name of SPV] or the Selected Bidder, as the case may be, or to give any notice to _____[Name of SPV] or the Selected Bidder, as the case may be, or to enforce any security held by the Maharashtra State Transmission Utility (STU) or to exercise, levy or enforce any distress, diligence or other process against ……_[Name of SPV] or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to the Maharashtra State Transmission Utility (STU) and may be assigned, in whole or in part, (whether absolutely or by way of security) by Maharashtra State Transmission Utility (STU) to any entity to whom the Maharashtra State Transmission Utility (STU) is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that the Maharashtra State Transmission Utility (STU) shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees ……..Crores (Rs ……..) only and it shall remain in force until [Date to be inserted on the basis of Article 3.1.2 of TSA], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by…… [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if the Maharashtra State Transmission Utility (STU) serves upon us a written claim or demand.

In witness where of:

Signature……..

Name: ……

Power of attorney No.:……..

For:

…… [Insert Name of the Bank]
Banker's Seal and Full Address, including mailing address of the Head Office

TRUE COPY

Notes:

1. The Stamp Paper should be in the name of the Executing Bank.

TRUE COPY

ANNEXURE 15A to the RfP

(ISB for CPG)

FORMAT FOR SURETY INSURANCE CONTRACT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.

Foreign entities submitting Bids are required to follow the applicable law of India)

In consideration of the ..... [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] (hereinafter referred to as the **'Principal Debtor'** for the purposes of this Surety Insurance Contract as provided in Section 126 of the Indian Contract Act, 1872) having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ...../ to be executed as per the Model Transmission Service Agreement provided along with the Request for Proposal **('RFP')** and other RFP Project Documents, subject to the condition of providing a Performance Bank Guarantee or a Surety Insurance Contract guaranteeing/insuring the due performance of the obligations under the Transmission Service Agreement, to the Maharashtra State Transmission Utility [herein after referred to as the Nodal Agency], the [Insert name and address of the Insurance Company issuing the Surety Insurance Contract and address of the head office] (hereinafter referred to as **"Surety")** hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at _____ [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency, namely.....] forthwith on demand in writing from the Nodal Agency, or any Officer authorized by it in this behalf, intimated to the Surety at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees .....Crores (Rs.....) only [Insert the amount of the Surety Insurance Contract]

The Surety hereby acknowledges, accepts and confirms that the Surety has received from the Principal Debtor, by way of premium the entire consideration for the Surety to execute, in favour of the Nodal Agency, this Surety Insurance Contract, as extended by the Surety from time to time and assuming the obligation to pay to the Nodal Agency the amount in terms hereof, without any requirement for payment of any other consideration to the Surety by the Principal Debtor, or otherwise.

This Surety Insurance Contract shall be valid and binding on the Surety, as the principal obligation of the Surety to pay on demand by the Nodal Agency, and shall not be terminable by notice or any change in the constitution of the Surety or the term of the Transmission Service Agreement or by any other reasons whatsoever and the liability hereunder of the Surety shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed (with or without the knowledge or consent of the Surety) by or between the Principal Debtor and the Nodal Agency.

TRUE COPY

The liability of the Surety under this Surety Insurance Contract is restricted to Rupees ..... Crores (Rs) only. The Surety Insurance Contract shall remain in force until [Insert the date of validity of the Surety Insurance Contract]. The Nodal Agency shall be entitled to invoke this Surety Insurance Contract up to three hundred sixty five (365) days after the last date of the validity of this Surety Insurance Contract.

The Surety hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency, containing the statement that the contractor has failed to meet its contractual obligations raised at the above mentioned address of the Surety (address of Surety office should be a place in NCR only) and the Surety shall pay the amount without reference to the Principal Debtor.

Any such demand made by the Nodal Agency on the Surety shall be conclusive and binding not withstanding any difference between the Nodal Agency and the Principal Debtor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Surety undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the Surety Insurance Contract herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenor (including Claim period) whichever is earlier.

The Surety shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection by the Principal Debtor, namely, ... [Insert name of SPV], or.....[Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person. The Surety shall not require the Nodal Agency to justify the invocation of this Surety Insurance Contract, nor shall the Surety have any recourse against the Nodal Agency in respect of any payment made hereunder.

This SURETY INSURANCE CONTRACT shall be interpreted in accordance with the laws of India.

This SURETY INSURANCE CONTRACT is being executed by the Surety in terms of the IRDAI (Surety Insurance Contract) Guidelines, 2022 and the Surety hereby acknowledges, accepts and confirms that this Surety Insurance Contract shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3)(b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.

The Surety represents that this Surety Insurance Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Surety in the manner provided herein.

TRUE COPY

This SURETY INSURANCE CONTRACT shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Surety.

In order to give effect to this surety Bond, the Nodal Agency shall be entitled to act as if the surety insurer were the principal debtor and any change in the constitution of the contractor and/or the surety insurer, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the surety insurer under this surety Bond.

This SURETY INSURANCE CONTRACT shall be a primary obligation of the Surety as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this Surety Insurance Contract to take any action in any court or arbitral proceedings against the Principal Debtor, namely, ... [Insert name of SPV], or ...[Insert name of the Selected Bidder], or .....[Insert name of the TSP] and/or any other person, as the case may be, to make any claim against or any demand on the Principal Debtor, namely, ...[Insert name of SPV], or ..... [Insert name of the Selected Bidder], or.....[Insert name of the TSP] and/or any other person, as the case may be, or to give any notice to Principal Debtor, namely..... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or .....[Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or .....[Insert name of the TSP] and/or any other person, as the case may be.

The Surety acknowledges that this Surety Insurance Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement Provided that any such assignment shall be in compliance with the relevant provisions of the Insurance Act 1938

The Surety hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this Surety Insurance Contract either in part or in full, as it may deem fit. In case of invocation of this Surety Insurance Contract in part, besides making payment for the part of Surety Insurance Contract invoked, surety at the request of Nodal Agency shall amend the value of Surety Insurance Contract to the extent of balance amount.

The Surety undertakes not to revoke this Surety Contract during its currency, except with the previous express consent of the Nodal Agency in writing and declares and warrants that it has the power to issue this Surety Contract and the undersigned has full powers to do so

TRUE COPY

on behalf of the Surety

In witness where of:

Signature……

Name: ……

Power of attorney No/ Employee No. as applicable.: ……..

For:

……[Insert Name of the Surety-Insurance Company]
Banker's Seal and Full Address, including mailing address of the Head Office

Notes:

1. The Stamp Paper should be in the name of the Executing Insurance Company.

TRUE COPY

ANNEXURE 15B to the RfP

(POI for CPG)

Format for Issuance of Payment on Order Instrument

Dear Sir,

1. Indian Renewable Energy Development Agency Limited ('IREDA")/PFC/REC has sanctioned a non-fund based limit loan of Rs. (Rupees..... Only) to M/s. ..... [Insert name of SPV or selected Bidder] under the Loan Agreement executed on ..... to execute Transmission System Projects.

2. In consideration of the .....[Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] for the purposes of this Payment on Order Instrument ("POI") having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ...../ to be executed as per the draft of the Model Transmission Service Agreement provided along with the Request for Proposal (,,RFP") and other RFP Project Documents, subject to the condition of providing a POI guaranteeing the due performance of the obligations under the Transmission Service Agreement to the Maharashtra State Transmission Utility ("Nodal Agency"), the.....[Insert name and address of the non-banking financial institutions(IREDA/PFC/REC) issuing the POI and address of the head office] (hereinafter referred to as **"Guarantor")** hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at ..... [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency, namely **... ... .**] forthwith on demand in writing from the Nodal Agency, or any Officer authorized by it in this behalf, intimated to the Guarantor at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees ..... Crores (Rs) only [Insert the amount of Payment on Order Instrument]

3. At the request of .....and on behalf of M/s. ....., [Insert name of SPV or selected Bidder] this Payment on Order Instrument (POI) for an amount of Rs. ..... (Rupees .....) is being issued with IREDA/PFC/REC assuming the obligations to remit such amount to Nodal Agency from the sanctioned loan.

4. This Payment on Order Instrument comes into force immediately and IREDA/PFC/REC confirms that it has sufficient amount out of the sanctioned loan and shall maintain the required amount to pay under this Payment on Order Instrument, during the validity and claim period of this Payment on Order Instrument.

5. This POI has been issued by IREDA/PFC/REC utilizing the credit limit of M/s.....[Insert name of SPV or selected Bidder] IREDA/PFC/REC confirms that its liability to pay under this Payment on Order Instrument

TRUE COPY

shall be primary and independent of whether at the time of invocation of Payment on Order Instrument, the sanctioned funds are available or not and notwithstanding, the status of M/s_____[Insert name of SPV or selected Bidder] at the relevant time and to whether IREDA/PFC/REC is able to recover the amount advanced by it to the said developer.

6. IREDA/PFC/REC and M/s. …….[Insert name of SPV or selected Bidder] hereby acknowledges, accepts and confirms that this Payment on Order Instrument shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3)(b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.

7. IREDA/PFC/REC liability under this POI is restricted to Rupees Crores (Rs.....) only. This POI shall remain in force until..... [Insert the date of validity of the POI]. The Nodal Agency shall be entitled to invoke this POI up to three hundred sixty-five (365) days after the last date of the validity of this POI. This POI shall be extended from time to time for such period, as may be desired by the TSP.

8. The Guarantor hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency, raised at the above- mentioned address of the Guarantor (address of Guarantor office should be in NCR only) and the Guarantor shall pay the amount to the Nodal Agency without reference to the TSP.

9. Any such demand made by the Nodal Agency on the Guarantor shall be conclusive and binding not withstanding any difference between the Nodal Agency and the TSP or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Guarantor undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the POI herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenure or (including Claim period) whichever is earlier.

10. The Guarantor shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection or disputes raised by the TSP, namely,..... [Insert name of SPV], or [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person. The Guarantor shall not require the Nodal Agency to justify the invocation of this POI, nor shall the Guarantor have any recourse against the Nodal Agency in respect of any payment made hereunder.

11. This POI shall be interpreted in accordance with the laws of India.

12. The Guarantor represents that this POI Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor in the manner provided herein.

TRUE COPY

13. This POI shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor.

14. This POI Contract shall be a primary obligation of the Guarantor as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this POI Contract to take any action in any court or arbitral proceedings against the TSP, namely, ... [Insert name of SPV], or..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be to make any claim against or any demand on the TSP, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to give any notice to TSP, namely..... [Insert name of SPV], or..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the TSP, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be.

15. The Guarantor acknowledges that this POI Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

16. The Guarantor hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this POI Contract either in part or in full, as it may deem fit. In case of invocation of this POI Contract in part, besides making payment for the part of POI Contract invoked, Guarantor at the request of Nodal Agency shall amend the value of POI Contract to the extent of balance amount.

IN WITNESS WHERE OF the non- banking financial institutions through its authorized officer, has set its hand and stamp on this..... day of.....at.....

Signature..... Name:

..... Power of attorney No.:

..... For:

.....[Insert Name of the non- banking financial institutions Company]

Seal and Full Address, including mailing address of the Head Office

TRUE COPY

ANNEXURE 16 – FORMAT OF CHECKLIST FOR TECHNICAL BID SUBMISSION REQUIREMENTS

[This format needs to be duly filled in, signed by the authorized signatory of the Bidder (Bidding Company / Lead Member in case of a Bidding Consortium) and submitted along with the Bidder's Technical Bid]

Technical Bid Submission Requirements			Response (Yes / No)
1.	Format for the Covering Letter on the letterhead of Bidding Company or Lead Member of the Consortium, as applicable;		
2.	Format for Letter of Consent from each Consortium Member, including Lead Member, on their respective letterheads;		
3.	Format for evidence of authorized signatory's authority ;		
4.	Board resolution from the Bidding Company / Lead Member of the Consortium in favour of the person executing the Power of Attorney as per **Annexure 3**;		
5.	Power of Attorney from each Consortium Member in favour of Lead Member to be provided by each of the other Members of the Consortium as per **Annexure 4**;		
6.	Board Resolution from each Member of the Consortium, other than the Lead Member, in favour of their respective authorized representatives for executing the POA, Consortium Agreement and signing of the requisite formats;		
7.	Format for Bidder's composition and ownership structure, along with status of equity holding (owning ten percent or more of the total paid up equity) not earlier than thirty (30) days prior to the Bid Deadline as per **Annexure 5**;		
8.	Consortium Agreement duly signed as per **Annexure 6**, along with Appendix-1, indicating the responsibilities and obligations of each Member of the Consortium;		
9.	Format for Qualification Requirement:		
	a.	Calculation sheets, detailing computation of Networth considered for meeting Qualifying Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / each Member in case of a Bidding Consortium / FEE in cases where credentials of FEE is taken;	
	b.	Calculation sheets, detailing computation of capital expenditure of projects and revenue received in construction projects considered for meeting Qualification Requirements, duly signed and stamped by the Statutory Auditor of the Bidding Company / Lead Member in case of Bidding Consortium / TEE in cases where credentials of TEE is taken;	

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Technical Bid Submission Requirements			Response (Yes / No)
	c.	Last financial year unconsolidated / consolidated audited annual accounts / statements, as the case may be, of the Financially Evaluated Entity / Technical Evaluated Entity	
	d.	Unconsolidated audited annual accounts of both the TEE and the Bidding Company/Lead member, as applicable, from the financial years in which financial closure was achieved till the financial year in which the said project was completed / commissioned.	
10.	Copy of the Memorandum and Articles of Association and certificate of incorporation or other organizational document (as applicable), including their amendments, certified by the Company Secretary of Bidding Company or each Member in case of a Consortium including Lead Member.		
11.	Attachment of **Annexure 7(D)**, detailing projects completed / commissioned and for which commercial operation has commenced including Executive Summary for each project.		
12.	For each project listed in the attachment above, certified true copy of the certificates of final acceptance and / or certificates of good operating performance duly issued by owners or clients for the project, duly signed by authorized signatory in support of technical capability as defined in Clause 2.1.2 of RFP.		
13.	Authority letter in favour of BPC from the Bidder/every Member of the Consortium authorizing the BPC to seek reference from their respective bankers & others.		
14.	Authorization from Parent / Affiliate of Bidding Company / Member of Bidding Consortium whose technical / financial capability has been used by the Bidding Company / Member of Bidding Consortium.		
15.	Initialing of all pages of Technical Bid by the Authorized Signatory in whose favour the POA (**Annexure 3**) has been executed.		
16.	Format for Illustration of Affiliates at the most seven (7) days prior to the Bid Deadline, duly certified by Company Secretary and supported by documentary evidence.		
17.	Certified copy of the Register of Members / Demat Account Statement, Share Certificate, Annual Return filed with ROC etc. submitted as documentary evidence along with **Annexure 12**.		
18.	Format for Disclosure by Bidding Company / each Member of the Consortium.		
19.	Format for Affidavit by the Bidding Company / each Member of the Consortium		
20.	Format for Authorization submitted in Non-Judicial stamp paper duly notarized.		

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Technical Bid Submission Requirements		Response (Yes / No)
21.	Bidders Undertaking and details of Equity Investment	
22.	Proof of Payment of RFP Fees	
23.	Bid Bond/ Bid Security Declaration (As applicable)	
24.	Board Resolution as per Annexure 11 (If required)	

[**Note:** The checklist is not exhaustive. Bidders are required to submit all the information/documents as per requirement of RFP]

For and on behalf of Bidder

M/s. ……

……..
(Signature of authorized signatory)

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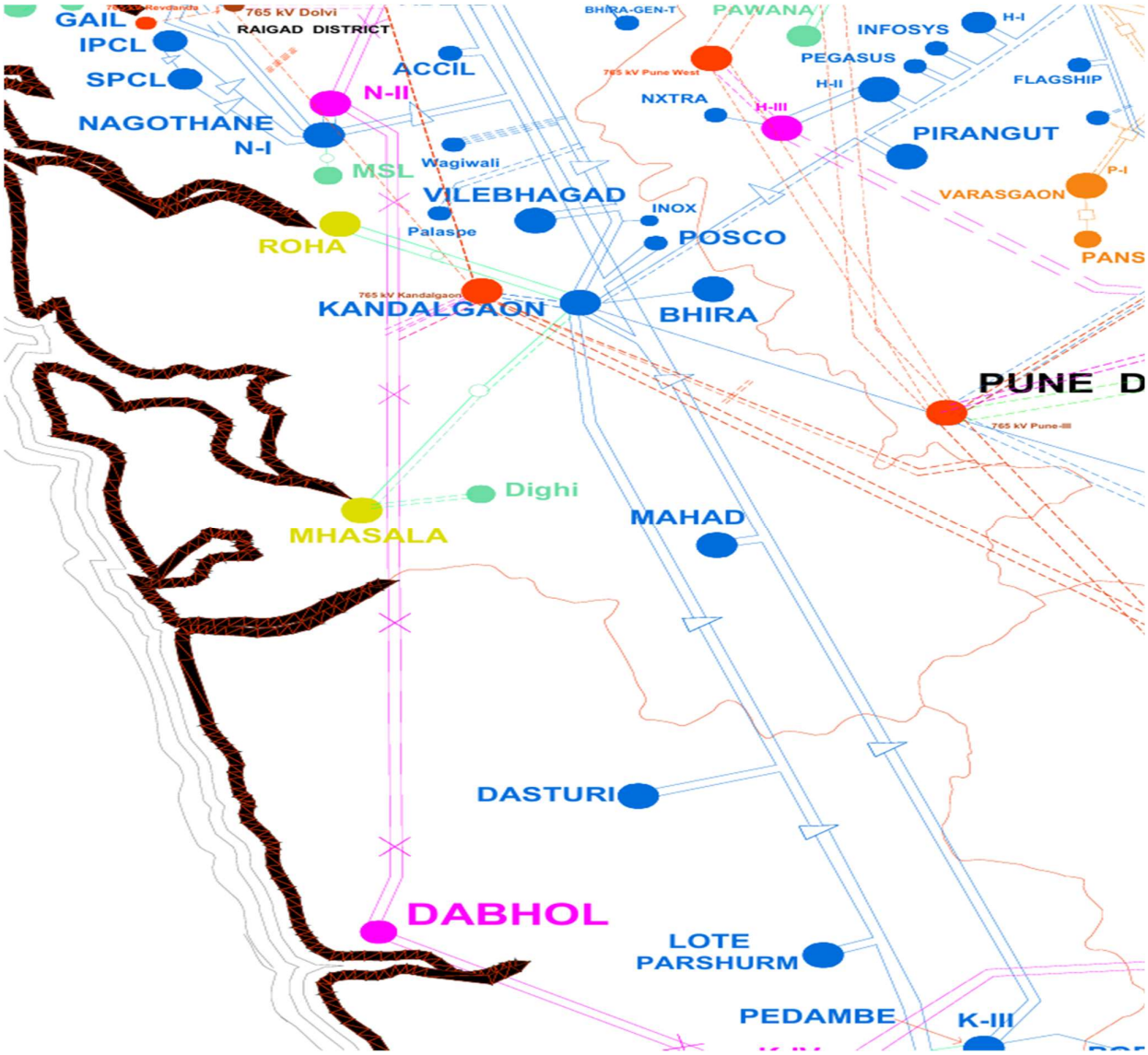
ANNEXURE 17 – LIST OF BANKS

The list of banks shall include all Scheduled Commercial Banks as per Second Schedule of RBI Act-1934 and any amendments thereof.

Note:
The above list of banks is indicative and can be modified by the BPC as required and any such change shall not be construed as a deviation from this document.

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ANNEXURE 18 - GRID MAP OF THE PROJECT



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ANNEXURE 19 - FORMAT FOR CLARIFICATIONS / AMENDMENTS ON THE RFP / RFP PROJECT DOCUMENTS

S. No.	Name of the Document	Clause No. and Existing provision	Clarification required	Suggested text for the amendment	Rationale for the Clarification or Amendment

Signature ……

Name……..

For

Bidder's Rubber Stamp and Full Address.

(Note: This format shall be used for submission of requests for clarifications/ amendments on the draft RFP Project Documents as per the provisions of Clause 2.3.1)

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ANNEXURE 20 - LIST FOR RFP PROJECT DOCUMENTS

ENCLOSURE 1: TRANSMISSION SERVICE AGREEMENT (Provided separately)

ENCLOSURE 2: SHARE PURCHASE AGREEMENT (Provided Separately)

…….

[To be inserted by the BPC]

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ANNEXURE 21 - FORMAT FOR FINANCIAL BID

[To be uploaded online]

Quoted Transmission Charges …….

Notes

1. The Bidders are required to ensure compliance with the provisions of Clause 2.5.3 of this RFP.
2. Quotes to be in Rupees Millions and shall be up to two (2) decimal points.
3. The contents of this format shall be clearly typed.
4. The Financial Bid shall be digitally signed by the authorized signatory in whose name power of attorney as per Clause 2.5.2 is issued.
5. Ensure only one value for annual Transmission Charges is quoted. The same charge shall be payable every year to TSP for the term of TSA.

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ANNEXURE 22 – FORMAT FOR AFFIDAVIT

[On non-judicial stamp paper. Foreign companies submitting bids are required to follow the applicable law in their country]

AFFIDAVIT

We [including any of our Affiliate and Consortium Member & any of its Affiliate], hereby declare that as on Bid Deadline:

a. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate, their directors or key personnel have not been barred or included in the blacklist by any government agency or authority in India, the government of the jurisdiction of the Bidder or Members where they are incorporated or the jurisdiction of their principal place of business, any international financial institution such as the World Bank Group, Asian Development Bank, African Development Bank, Inter-American Development Bank, Asian Infrastructure Investment Bank etc. or the United Nations or any of its agencies; or

b. the Bidder & any of its Affiliate including any Consortium Member & any of its Affiliate or their directors have not been convicted of any offence in India or abroad.

We further declare that following investigations are pending / no investigation is pending [strike off whichever is not applicable] against us [including any of our Consortium Member or Affiliate or Parent or Ultimate Parent or Affiliate] or CEO or any of our directors/ manager/key managerial personnel of the Applicant /Consortium Member or their Affiliates.

We further undertake to inform the BPC of any such matter as mentioned above on its occurrence after the date of this affidavit till the Effective Date.

We undertake that, in case, any information provided in relation to this affidavit is found incorrect at any time hereafter, our BID / Letter of Intent / contract (if entered) would stand rejected / recalled / terminated, as the case may be.

…….
Signature and Name of the authorized signatory of the Company Bidding Company / Lead Member of the Bidding Consortium

…….
(Signature of Notary Public)

Place:……
Date:……

Note: In case any investigation is pending against the Applicant, including any Consortium Member or Affiliate, or CEO or any of the directors/ manager/key managerial personnel of the Applicant

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/Consortium /Member or their Affiliates, full details of such investigation including the name of the investigating agency, the charge/offence for which the investigation has been launched, name and designation of persons against whom the investigation has been launched and other relevant information should be disclosed under this affidavit.

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ANNEXURE A

Technical Details with respect to electronic bidding

Registration Methodology

In order to submit online bids in the e-bidding process for selection of Transmission Service Provider, interested Bidders are required to register themselves with the e-procurement website of MSTC limited namely www.mstcecommerce.com/eprochome/tsp/index.jsp. To register with the website, the Bidder is required to fill up the online form available under the link Register as Vendor in the above website and fill up the same and click on Submit.

During this process, the Bidder shall create his user id and password and keep note of the same. The Bidder shall ensure that the secrecy of his user id and password is maintained at all time and he/she shall alone be responsible for any misuse of the user id and password.

The Bidder may check the details entered by it before final submission. On successful submission of the online registration Form, the Bidder shall receive a confirmation mail in the registered email address advising the Bidder to submit the following documents.

i. Self-attested Income Tax PAN Card. In case of a registered Company or Firm, the Firm's PAN card and in case of a proprietorship firm, proprietor's personal PAN card is required. In case of partnership firm, PAN of the firm and that of the authorized partner are to be submitted.

ii. Copy of the confirmation email Letter received from MSTC after successful completion of on-line registration.

iii. A non-refundable registration fee of Rs.10,000/- plus GST as per applicable rate to be paid online. The account details will be available in the System generated email sent by MSTC post registration.

Please provide details of payment made like UTR No, remitting bank name, date of payment and amount in the covering letter.

The Bidder shall have to submit all the above documents to MSTC Limited for verification and activation of their login ids. The Bidders should send scanned copies of the above documents to the designated email id only which is given below.

tsp@mstcindia.co.in

It may be noted that Bidders need not visit any of the offices of MSTC Limited for submission of the documents.

Contact persons of MSTC Limited:

Ms. Archana Juneja
9990673698

Mr. Setu Dutt Sharma
7878055855

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Once the complete set of documents and requisite registration fee are received from a Bidder, MSTC shall activate the Bidder's login after verification / scrutiny of the documents. MSTC Limited reserves the right to call for additional documents from the Bidder if needed and the Bidder shall be obliged to submit the same.

On completion of the above stated registration process, a Bidder shall be able to login to MSTC's website.

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ANNEXURE B
Draft Pre-Award Integrity Pact

1. GENERAL

This pre-bid contract Agreement (herein after called the Integrity Pact) is made on …….. day of the month of …… 20……, between, on one hand, …… [Insert name of BPC] through Shri …… [Insert Name & designation of representative of BPC] (hereinafter called the "Bid Process Coordinator/ BPC", which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) of the First Part and M/s …… represented by Shri …….. [Insert Name & Designation of Authorized Signatory of the Bidder/ Lead Member of Consortium] (Hereinafter called the "Bidder" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BPC is conducting the bidding process for selection of bidder as Transmission Service Provider (TSP), who will be responsible to set up the transmission project "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" on build, own, operate and transfer (BOOT) basis and to provide Transmission Service.

WHEREAS the Bidder is a Private Company/Public Company/Government Undertaking/ Partnership, constituted in accordance with the relevant law in the matter and the BPC is a Public Sector Undertaking (PSU) performing its function on behalf of the Ministry of Power, Government of India.

NOW, THEREFORE,

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings during the complete bidding process with a view to:-

Enabling the BPC to select the bidder as TSP in conformity with the defined procedures by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling Bidder to abstain from bribing or indulging in any corrupt practice in order to emerge as selected bidder by providing assurance to them that their competitors will also abstain from bribing and other practices and the BPC will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

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2. Commitments of BPC

2.1. The BPC undertakes that no official of the BPC, connected directly or indirectly with the bidding process, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the bidding process in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

2.2. The BPC will, during the bidding stage, treat all bidders alike, and will provide to all bidders the same information and will not provide any such information to any particular bidder which could afford an advantage to that particular bidder in comparison to the other bidders.

2.3. All the officials of the BPC will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

2.4. In case of any such preceding misconduct on the part of such official(s) is reported by the Bidder to the BPC with the full and verifiable facts and the same is prima facie found to be correct by the BPC, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BPC and such a person shall be debarred from further dealings related to the bidding process. In such a case while an enquiry is being conducted by the BPC the proceedings under the bidding process would not be stalled.

3. Commitments of Bidder

3.1. The Bidder commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre award stage in order to emerge as Selected Bidder or in furtherance to secure it and in particular commits itself to the following:-

3.2. The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the bidding process in exchange for any advantage in the bidding, evaluation, contracting and implementation of the bidding process.

3.3. The Bidder further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BPC or otherwise in bidding process or for bearing to do or having done any act in relation to bidding process or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the bidding process or any other contract with the Government.

3.4. The Bidder shall disclose the name and address of agents and representatives and Indian Bidder shall disclose their foreign principals or associates.

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3.5. The Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid.

3.6. The Bidder further confirms and declares to the BPC that the Bidder has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BPC or any of its functionaries, whether officially or unofficially for selection of Bidder as TSP, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.7. The Bidder, either while presenting the bid or during pre-award negotiations or before signing the Share Purchase Agreement, shall disclose any payments he has made, is committed to or intends to make to officials of the BPC or their family members, agents, brokers or any other intermediaries in connection with the bidding process and the details of services agreed upon for such payments.

3.8. The Bidder will not collude with other parties interested in the bidding process to impair the transparency, fairness and progress of the bidding process.

3.9. The Bidder will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.10. The Bidder shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BPC as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The Bidder also undertakes to exercise due and adequate care lest any such information is divulged.

3.11. The Bidder commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.12. The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.13. The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BPC.

4. Previous Transgression

4.1. The Bidder declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify Bidder's exclusion from the bidding process.

4.2. The Bidder agrees that if it makes incorrect statement on this subject, Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Bid Bond (Security Deposit)

5.1. Along with the technical bid, the Bidder shall submit Bid Bond for an amount of Rs…… (as per the amount specified in Request for Proposal (RFP) Document) issued by any Banks from the list provided in RFP Document as Earnest Money/Security Deposit, with the BPC.

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5.2. The Earnest Money/Security Deposit shall be valid & retained by the BPC for such period as specified in the RFP Document.

5.3. No interest shall be payable by the BPC to the Bidder on Earnest Money/Security Deposit for the period of its currency.

6. Sanctions for Violations

6.1 Any breach of the aforesaid provisions by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall entitle the BPC to take all or anyone of the following actions, wherever required:-

(i) To immediately call off the pre-award negotiations without assigning any reason or giving any compensation to the Bidder. However, the proceedings with the other Bidder (s) would continue.

(ii) The Bid Bond (in pre-award stage) shall stand forfeited either fully or partially, as decided by the BPC and the BPC shall not be required to assign any reason therefore.

(iii) To immediately cancel the award, if already awarded, without giving any compensation to the Bidder.

(iv) To cancel all or any other contracts with the Bidder. The Bidder shall be liable to pay compensation for any loss or damage to the BPC resulting from such cancellation/rescission.

(v) To debar the Bidder from participation in any tender or RFP issued by any BPC for an indefinite period.

(vi) To recover all sums paid in violation of this Pact by Bidder to any middleman or agent or broker with a view to securing the award.

6.2 The BPC will be entitled to take all or any of the actions mentioned at para 6.1 (i) to (vi) of this Pact also on the Commission by the Bidder or anyone employed by it or acting on its behalf (whether with or without the knowledge of the Bidder), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

6.3 The decision of the BPC to the effect that a breach of the provisions of this Pact has been committed by the Bidder shall be final and conclusive on the Bidder. However, the Bidder can approach the Independent Monitor(s) appointed for the purposes of this Pact.

7. Independent Monitors

7.1 The BPC has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).

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Shri Sanjiv Garg IRTS (Retd.)
A-14/1, Vasant Vihar,
New Delhi-110057
Mob No – 9818798390
Email ID- sanjivgarg.iem@gmail.com

Shri Jeyakodi Virusankulam Kumarasamy, IAS (Retd.)
R/o 3F, Orchid Villa,
6" Avenue,
Harrington Road, Chetpet,
Chennai-600031
Mob No – 9176699444
Email ID- jeyakodivk@gmail.com

7.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BPC.

7.6 The Bidder accepts that the Monitors has the right to access without restriction to all Project documentation of the BPC including that provided by the Bidder. The Monitor shall be under contractual obligation to treat the information and documents of the Bidder /Subcontractors(s) with confidentially. [As all the bid documents are with BPC only]

7.7 The BPC will provide to the Monitors sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the monitor the option to participate in such meetings.

7.8 The Monitor will submit a written report to the designated Authority of the BPC/Secretary in the Department within 8 to 10 weeks from the date of reference or intimation to him by the BPC / Bidder and, should the occasion arise, submit proposals for correcting problematic situations.

8. Facilitation of Investigation

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BPC or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder and the Bidder shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

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9. Law and Place of Jurisdiction

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BPC.

10. Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the any extent law in force relating to any civil or criminal proceedings.

11. Validity

11.1 The validity of this Integrity Pact shall be from date of its signing and upto 6 months from the date of transfer of project specific SPV i.e. signing of Share Purchase Agreement with BPC. In case Bidder is unsuccessful, this Integrity Pact shall expire after 15 days from the date of transfer of project specific SPV to successful bidder.

11.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12. The Parties hereby sign this Integrity Pact at_____ on _____.

Bid Process Coordinator (BPC)	**BIDDER**
Name of the Officer Designation Name of the BPC with address	Name of Whole time Director/Authorized Signatory Name of the Bidder with address
Witness:	Witness:
1._____	1._____
2. _____	2. _____

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ANNEXURE- C
SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM

A. SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE

A.1.0 The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time. Other CEA and MoP Regulations/guidelines as amended up to date, as applicable, shall also be followed.

A.2.0 Selection of tower type shall be made as per CEA Regulations, however in case lattice type towers are used, the following shall also be applicable:

A.2.1 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.

A.2.2 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Up to 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

A.3.0 Transmission Service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

A.4.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of high intensity winds (HIW) due to thunderstorms, dust-storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.

A.5.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

A.6.0 For power line crossings, following should be followed:

a) For power line crossing of 400 kV or above voltage level, large angle and dead end

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towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

b) For power line crossing of 132kV and 220kV (or 230kV) voltage level, angle towers (B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

c) For power line crossing of 66kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of theprevailing site condition and line deviation requirement.

d) For crossing of railway track, national highways and state highways, the rules/Regulations of appropriate authorities shall be followed.

A.7.0 The relevant conductor configuration shall be as follows: -

(a) For all 765 kV lines under present scope

Type of conductor: ACSR / AAAC / AL59

Basic Parameters:

Transmission line	**ACSR Conductor Specified**	**Equivalent AAAC conductor based on 53.5% conductivity of Al Alloy**	**Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy***	**Sub-conductor Spacing**
765 kV D/C (Hexa Bundle) Transmission Lines	**Zebra : Stranding** 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 mm^2, Aluminium area, 28.62 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06868 Minimum UTS: 130.32 kN	**Stranding details:** 61/3.19mm, 487.5 mm^2 Aluminium alloy area 28.71 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06815 Minimum UTS: 135.6 kN	**Stranding details:** 61/3.08mm, 454 mm^2 Aluminium alloy area 27.72 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.0653 Minimum UTS: 108 kN	457 mm

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(b) For all 400 kV lines under present scope

Type of conductor: ACSR / AAAC / AL59

Transmission line	ACSR Conductor specified	EquivalentAAAC conductor based on 53% conductivity of Al Alloy	Equivalentminimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
400 kV D/C (Quad Bundl transmission lines	**Moose: Stranding** 54/3.53mm-Al + 7/3.53 mm- Steel, 31.77 mm diameter 528.5 mm^2, Aluminium area, Maximum DC Resistance at 20°C (Ω/km): 0.05552 Minimum UTS: 161.20 kN	**Stranding details:** 61/3.55(61/3.66)m 31.95 (32.94) mm diameter; 604 (640) mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.05506 (0.0534) Minimum UTS: 159.80 (178.43) kN	**Stranding details:** 61/3.31mm 29.79 mm diameter; 525 mm^2 Aluminium alloyarea Maximum DC Resistance at 20°C (Ω/km): 0.0566 Minimum UTS: 124.70 kN	457 mm

(C) For all 200 kV lines under present scope

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
220 kV D/C (Zebra) transmission lines	Zebra: Stranding 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 sq mm, Aluminium area, 28.62 mm diameter	Stranding Details: 61/3.19 mm 28.71 mm diameter; 487.5 sq.mm Aluminum alloy area	Stranding Details: 61/3.08 mm 27.7 mm diameter; 454 sq.mm Aluminium alloy area	NA

Note:

1. **To Select any size above the minimum, the sizes mentioned in the Indian standard IS-398(part-6) shall be followed.*
2. *The transmission lines shall have to be designed for a maximum operatingconductor*

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temperature of 85 deg C.

A.8.0 The required phase to phase spacing and horizontal spacing for 765 kV and 400 kV line shall be governed by the tower design as well as minimum live metal clearances for 765 kV and 400 kV voltage level under different insulator swing angles. However, the phase to phase spacing for 765 kV line shall not be less than 15 m and for 400 kV line shall not be less than 8 m.

A.9.0 All Electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor as given below shall be considered:

I. **Minimum live metal clearances for 765 kV line:**

(i) Under stationary conditions

From tower body: For 765 kV D/C: 6.1 m

For 765 kV S/C: 5.6 m

(ii) Under swing conditions

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (25º)	4.4 m
b) Swing angle (55º)	1.3 m

(iii) Minimum ground clearance for 765kV line: 18 m

(iv) Minimum mid span separation between earth-wire and conductor for 765 kV line: 9.0 m

II. Minimum live metal clearances for 400 kV line:

(i) Under stationary conditions

From tower body: 3.05 m

(ii) Under swing conditions

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (22º)	3.05 m
b) Swing angle (44º)	1.86 m

(iii) Minimum ground clearance for 400kV line: 8.84 m

(iv) Minimum mid span separation between earth-wire and conductor for 400 kV line: 9.0 m

III. Minimum live metal clearances for 220 kV line:

(i) Under stationary conditions

From tower body: 2.13 m

(ii) Under swing conditions

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (15º)	1.98 m

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a) Swing angle (30º)	1.83 m
b) Swing angle (45º)	1.675 m

(iii) Minimum ground clearance: 7.015 m

(iv) Minimum mid span separation between earth-wire and conductor: 8.5 m

A.10.0 Shielding angle shall not exceed 10 deg for 765 kV D/C and 20 deg for 400 kV D/C Line transmission line and shall not exceed 30 deg for 220 kV transmission lines.

A.10.01 Transposition is to be done for all transmission lines whose length is greater than 100 km. Transposition should be carried out at 1/3 and 2/3 of line length tower positions. Transposition of the transmission line after construction of LILO shall be maintained by developer.

A.11.0 The Fault current for design of line shall be 50 kA for 1 sec for 765 kV, 63 kA for 1 sec for 400 kV and 50kA for 1sec for 220kV.

A.12.0 In case of 400 kV and above voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of galvanized standard steel (GSS) or Aluminum Alloy Conductor Steel Reinforced (AACSR) conductor type or any other suitable conductor type depending upon span length and other technical consideration.

A.13.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 kms distance for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.

A.14.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth and anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.

A.15.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line.

A.16.0 Wherever, transmission lines are passing through cyclone prone areas i.e. areas upto 60 km from coast following shall also be applicable:

a) Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains

b) Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.

c) The number of consecutive spans between the section points/ angle point shall not exceed

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10 spans or 3km instead of conventional practice of 15 spans or 5km, in order to reduce the failure of such towers in coastal areas due to cascading effect. The section shall be terminated with tension tower/ angle tower and angle of deviation should be based on the site requirement.

A.17.0 Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable:

a) The fabricated tower parts and stubs shall have a minimum overall zinc coating of 900 g/m^2 of surface area except for plates and sections below 5mm which shall have a minimum overall zinc coating of 610 g/m^2 of surface area. The average zinc coating for all sections and plates 5mm and above shall be maintained as 127 microns and that for plates and sections below 5 mm shall be maintained as 87 microns.

b) Ready mix concrete of M30 Grade shall be used to avoid use of locally available saline water. However, design mix concrete of M30 Grade conforming to IS 456 with potable water can be used at locations where transportation of ready-mix concrete is not feasible. Minimum cement content in any case shall not be less than 330kg/m^3.

c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6kg/ m^2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).

d) Double coat 20mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300mm below ground level to give protection to concrete surface from environmental and saline effect.

e) Before coping of chimney top portion, three coats of anti-corrosive paint of minimum 30-35 microns dry film thickness each shall be applied on the stub in the 50mm coping portion as well as up to 350mm above CL portion.

A.18.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field and undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above HFL (High Flood Level) or the historical water stagnation/ logging level (based on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).

A.19.0 Routing of transmission line through protected areas of India shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line up to 400 kV level which are installed in protected areas shall be designed for Multi-circuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central

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transmission utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to STU/CTU and BPC by the TSP.

A.20.0 The TSP shall abide by the Guidelines of CEA w.r.t. shifting of transmission lines for NHAI projects and other projects.

A.21.0 Safety precautions in regards to gas/oil pipe lines in vicinity of Transmission lines shall be taken in coordination with gas/ petroleum authorities.

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B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed 765/400/220 kV Kandalgaon Substation shall be conventional Air Insulated Switchgear (AIS) type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

LOCATION DETAILS OF EXISTING / PLANNED SUBSTATIONS:

a) **765/400/220 kV AIS Kandalgaon -** New substation which is to be implemented under present scheme. Tentative Location : Lattitude-18° 15'52.35" N, Longitude-73° 17'43.16"E

b) **220 kV AIS Kandalgaon (Existing) :** Lattitude- 18°21'13.3"N , Longitude-73°19'26.4"E

Note: *The above coordinates/location of substation indicated is approximate in the substation area. Exact coordinates for the corresponding bays/gantry for termination of the respective line may be verified and finalized in coordination with actual site.*

Other CEA Regulations/guidelines as amended up to date and MoP guidelines, as applicable, shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl. No.	Description of parameters	765/400/220 kV AIS Kandalgaon		
		765 kV System	**400 kV System**	**220 kV System**
1.	System operating voltage	765 kV	400 kV	220 kV
2.	Maximum voltage of the system (rms)	800 kV	420 kV	245 kV
3.	Rated frequency	50 Hz	50 Hz	50 Hz
4.	No. of phase	3	3	3
5.	Rated Insulation levels			
i)	Lightning Impulse withstand voltage for (1.2/50 micro sec.) - for Equipment other than Transformer and reactor - for Insulator String	 2100 kVp 2100 kVp	 1425 kVp 1550 kVp	1050 kVp 1050 kVp
ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry and wet	1425 kVp	1050 kVp	460 kVp
iii)	One minute power frequency dry withstand voltage (rms)	960 kV	650 kV	

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Sl. No.	Description of parameters	765/400/220 kV AIS Kandalgaon		
		765 kV System	400 kV System	220 kV System
6.	Corona extinction voltage	508 kV	320 kV	156 kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	2500 micro-volts at 508 kV rms	1000 micro-volts at 266 kV rms	1000 micro-volts at 156 kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	24800 mm (31 mm/kV)	13020 mm (31 mm/kV)	7595 mm (31 mm/kV)
9.	Minimum creepage distance for switchyard equipment	24800 mm (31 mm/kV)	13020 mm (31 mm/kV)	6125 mm (25 mm/kV)
10.	Max. fault current	50 kA	63 kA	50 kA
11.	Duration of fault	1 sec	1 sec	1 sec

B.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	765 kV	400 kV	220 kV
765/400/220 kV AIS Kandalgaon	One and half breaker	One and Half breaker	Double Main and Transfer

Notes: -

i) *For one and half breaker switching scheme, any double circuit line consisting of two numbers of feeders and originating from the same transmission or generating switchyard shall not be terminated in one diameter.*

ii) Two transformers of same HV rating shall not be connected in the same diameter and similarly two bus reactors of same HV rating shall also not be connected in the same diameter.

iii) A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling 2 (two) numbers of feeders.

iv) Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.

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v) Space for 765 kV, 400 kV & 220 kV future line bays shall be kept considering provision of switchable line reactors.

vi) TSP shall plan distribution of line and transformer feeders to bus bar in such a way that all power can be evacuated successfully without crossing thermal limit at any point of bus-bar.

vii) For AIS type substation, TSP shall keep space provisions for future elements such that interconnection arrangement to the corresponding future bays can be done with overhead AIS type connection without any cable/ GIS duct.

viii) **765/400/220 kV AIS Kandalgaon**

765 kV bay configurations (one and half breaker scheme) shall be as follows:

Configuration	Numbers
ICT- Tie- Line	*3 (three)*
Bus Reactor-Tie-Line	*1 (one)*
Future space for ICT- Tie- Future space for Line**	*1 (one)*
Future space for line-Tie-Future space for line**	*2 (two)*

400 kV bay configurations (one and half breaker scheme) shall be as follows:

Configuration	Numbers
ICT - Tie- Line	*4 (four)*
*ICT - Tie- Future space for Line**	*1 (one)*
*Bus Reactor-Tie- Future space for line **	*1 (one)*
Future space for ICT- Tie- Future space for line **	*1 (one)*
*Future space for line *-Tie-Future Space**	*1 (one)*

220 kV bay configurations (double main bus scheme) shall be as follows:

Configuration	***Number of Bays (Double Main bus System)***
Main Bus-I	
a) ICT Bay	*1 (One)*
b) line bay	*1 (One)*
c) Space Provision for future line bay	*1 (One)*
d) Space Provision for future ICT bay	*1 (One)*
Main Bus-II	
e) ICT Bay	*1 (One)*
f) line bays	*1 (One)*
g) Space Provision for future line bay	*1 (One)*

B.2.0 Substation Equipment and facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty

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requirements. All equipment shall be designed considering the following capacity.

Sl.No	Description of bay	765/400/220 kV AIS Kandalgaon		
		765 kV	400 kV	220 kV
1.	Bus Bar	4000 A	4000 A	3000 A
2.	Line bay	3150 A	3150 A	1600 A
3.	ICT bay	3150 A	3150 A	1600 A
4.	Reactor bay	3150 A	3150 A	N/A
5.	Bus Sectionaliser bay	N/A	N/A	3000 A
6.	Bus Coupler Bay	N/A	N/A	3000 A
7.	Transfer Bus coupler bay	N/A	N/A	1600A

B.2.1 Power Transformers

B.2.1.1 (765/√3)/(400/√3) kV, Single Phase Autotransformer

500 MVA, (765/√3)/(400/√3) kV, 1-phase autotransformer (including arrangement for 3-phase bank formation of 1500 MVA) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above voltage class)" as amended upto date available on CEA website.

Spare 1-phase Transformer unit shall be placed and connected in such a way that the spare unit can be utilized to replace any unit of any of the transformer banks (including for future transformer banks) without physically moving it.

B.2.2 Shunt Reactors

B.2.2.1 (765/√3) kV, Single Phase Shunt Reactor

80 MVAR, 765/√3 kV, 1-Phase Reactor (including arrangement for 3-phase bank formation of 240 MVAR) Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class)" as amended up to date available on CEA website.

400 kV, 3-Phase, Shunt Reactor

125 MVAR, 420 KV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors available on CEA website.

B.2.3 765 kV, 400 kV & 220 kV AIS Substation equipment (as applicable)

B.2.3.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40 ms for 765 (800) kV and 400 (420) kV circuit breakers and 60 ms for 220 kV circuit

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breakers. 765 (800) kV, 400 (420) kV and 220 kV Circuit breakers shall be provided with single phase and three phase auto reclosing. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 765 kV lines shall be provided either with pre-insertion closing resistor of about 450 ohms maximum with 9 ms insertion time or with Controlled Switching Device. The Circuit breakers controlling 400 kV lines shall be provided with pre insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be same as the rated capacity and this is proposed to be achieved without use of opening resistors. The controlled switching device shall be provided in Circuit breakers of switchable line reactor bay and in Main and Tie bay circuit breakers of line with non-switchable line reactors, Bus reactors and Transformers of voltage class 400 kV and above.

B.2.3.2 Isolators (AIS)

The isolators shall comply to IEC 62271-102 in general.765 Kv, 400 kV & 220 kV Isolator design shall be double break or vertical break or knee-type. All Isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. 765 kV , 400 kV & 220 kV earth switch for line isolator shall be suitable for induced current switching duty as defined for Class-B.

B.2.3.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 765 kV, 400 kV shall have six (five for 400 kV) cores (four for protection and two for metering) and 220 kV Current Transformers shall have five cores (four for protection and one for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. Accuracy class for protection core shall be PX and for metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 20VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than 5 for CTs upto 400 kV and less than 10 for CTs of 765 kV voltage class.

B.2.3.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive voltage transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400 kV and 220 kV shall be of 4400/8800 pF depending on PLCC requirements whereas the Capacitance of CVT for 765 kV shall be 8800 pF. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

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B.2.3.5 Surge Arresters (AIS)

624 kV, 336 kV Station High (SH) duty gapless type Surge arresters with thermal energy (Wth) of minimum 13 kJ/kV, 12 kJ/kV conforming to IEC 60099-4 in general shall be provided for 800 kV, 420 kV systems respectively. 336 kV Station High (SH) duty and 216 kV Station Medium (SM) duty gapless type Surge Arresters with thermal energy (Wth) of minimum 12 kJ/kV and 7 kJ/kV conforming to IEC 60099-4 in general shall be provided for 220 kV systems respectively. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and reactors so as to achieve proper insulation coordination. Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4 Protection Relaying and Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication interface and should have interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs. All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

a) Transmission Lines Protection

765 kV, 400 kV and 220 kV lines shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. The fourth zone shall be the reverse zone. 765 kV, 400 kV and 220 kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are of different hardware and manufacturing platform or different principle of operation.

However, Line Current Differential relay (with back up distance protection feature) as Main–I and Main-II shall be considered at both ends for short lines (line length below 30 km) having Fibre Optic communication link. Differential relay at remote end shall be provided by the TSP. Associated power and control cabling and integration with SAS at remote end shall be provided by respective bay owner.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 765 kV, 400 kV & 220 kV lines shall be provided with single and three phase auto-reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall

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also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 765 kV, 400 kV & 220 kV lines shall also be provided with two stages over voltage protection. Over voltage protection and distance to fault locator may be provided as in-built feature of Main-I and Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 765 kV, 400 kV & 220 kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

b) Auto Transformer Protection

These shall have the following protections:

i) Numerical Differential protection

(400/220 kV ICTs shall have two differential protection relays. The second differential relay shall be provided on IV side C&R panel to avoid congestion on HV side C&R panel. The differential relay shall have different make and algorithm.)

ii) Numerical Restricted earth fault protection

iii) Numerical Back-up Over-current and earth fault protection on High Voltage (HV) and Intermediate Voltage (IV) side

iv) Numerical Over fluxing protection on HV and IV side

v) Numerical Overload alarm

Further, Numerical Back-up Over-current and earth fault protection on HV and IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers shall also be provided with Buchholz relay, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker and isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built-in feature either in the bay controller to be provided for the auxiliary system or in the control and protection IEDs to be provided for autotransformer.

c) 765 kV and 400 kV Reactor Protection

Reactor shall be provided with the following protections:

i) Numerical Differential protection.

ii) Numerical Restricted earth fault protection

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iii) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against oil and winding temperatures and pressure relief device, etc.

d) Bus bar Protection

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 765 Kv,400 kV & 220 kV buses. Duplicated bus bar protection is envisaged for 765 kV 400 kV & 220 kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for ensuring security. The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays for the bus sections under present scope and PUs shall be provided by the respective bay owners. In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.

For existing substations, the existing bus bar protection shall be augmented as per requirement.

e) Local Breaker Back up Protection

This shall be provided for each 765 kV, 400 kV & 220 kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. *LBB and REF relays shall be provided separately from transformer differential relay.*
2. *LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).*
3. *Over fluxing and overload protection can be provided as built-in feature of differential relay.*
4. *In 765 kV and 400 kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.*

B.2.5 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation system, where the controls shall be provided through Bay control units. The Bay control unit is to be provided bay wise for voltage level 220 kV, 400 kV and above. All bay control units as well as protection units are normally connected through an Optical fiber high speed network. The control and monitoring of circuit breaker, dis-connector, re-setting of relays etc. can be done from Human

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Machine Interface (HMI) from the Relay Control Room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in the Substation Automation System.

At new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

In existing substations with Substation automation system (SAS), augmentation of existing SAS shall be done for bays under present scope.

In existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway and modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement and shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation. Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup RLDCs. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time synchronization equipment

Time synchronization equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS and IEDs etc.

B.3.0 Substation Support Facilities

Certain facilities required for the operation and maintenance of substations as described below shall be provided at the new substation. In existing substation, these facilities have already been provided and will be extended/ augmented as per requirement.

B.3.1 AC and DC power supplies

For catering the requirements of three phase and single phase AC supply and DC supply for various substation equipment (for present and future scope), the following arrangement is envisaged:-

i) For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided which shall be fed from two independent sources as per the CEA (Technical Standards for Connectivity to the Grid)

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Regulations, 2007.

For LT Supply at each new Substation, two (2) nos. of auxiliary Transformers (minimum 630 kVA for substations with highest voltage rating as 400 kV) shall be provided which shall be fed from two independent sources as per CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation.Such SEMs shall be provided by STU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by SLDC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of 765/400/33 kV Transformer by local DISCOM for energy accounting.

ii) 2 sets of 220V battery banks for control and protection and 2 sets of 48 V battery banks for PLCC/ communication equipment shall be provided at each new Substation. Each battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required. 48 V DC can be achieved from 220 V DC battery bank using adapter, if so desired by TSP, without compromising backup time.

iii) Suitable AC and DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

(a) 415V Main Switch board – 1 No.
(b) AC distribution board – 1 No.
(c) Main lighting distribution board – 1 No.
(d) Emergency lighting distribution board – 1 No.
(e) 220 Volt DC distribution board – 2 No.
(f) 48 Volt DC distribution board – 2 No.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present andfuture bays. AC and DC distribution boards shall have equipped modules for all the feeders (including future as specified).

iv) At new Substation, one No. of DG set (minimum 250 kVA for substations withhighest voltage rating as 400 kV and minimum 500 kVA for substations with highest voltage rating as 765 kV) shall be provided for emergency applications.

v) At new substation, sizing of battery and battery charger shall be done based on the number of

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bays specified (including future bays).

vi) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended from time to time.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided.
At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, filtering, testing and filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

Online Transformer Oil Drying Out System shall be provided in line with the provisions of Standard Specification and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class) as amended up to date available on CEA website.

B.3.4 Illumination

Normal and emergency AC and DC illumination shall be provided adequately in the control room and other buildings of the substation. The switchyard shall also be provided with adequate illumination.

The Lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaries.

B.3.5 Control Room

For the new substation, substation control room shall be provided to house substation work stations for station level control (SAS) along with its peripheral and recording equipment, AC and DC distribution boards, DC batteries and associated battery chargers, Fire Protection panels, Telecommunication panels and other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for laying of cables from the control room for all the future bays also.

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At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

B.3.6 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.7 Visual monitoring system (VMS) for watch and ward of substation premises:

Visual monitoring system for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment (such as CB, isolators, CT, CVT, SA etc. as applicable), GIS bays, panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. In addition to the gates of the switchyard, the cameras shall also be located around the boundaries at suitable locations. The camera shall be high-definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras. The VMS data should go only to the intended personnel/facility and not to the remote server of the Camera (VMS supplier).

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.

All camera recordings shall have Camera ID and location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

At existing substations, the visual monitoring system if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

a) Line Gantry/Towers are envisaged for bays under present scope only. However, for adjacent future line bay, tower shall be designed for extension (considering Hexa conductors for 765 kV and Quad for 400 kV) and Twin conductor for 220 kV lines) wherever applicable.

b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.

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c) TSP has to arrange for construction power and water on its own.

d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 g/m^2, however, for coastal/creek regions it shall be at least 900 g/m^2. (if applicable)

e) In 765 kV and 400 kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie and Future bay shall be designed considering the current rating of line bay i.e. 3150 A.

f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8 m from finished ground level (FGL).

g) All electrical equipment shall be installed above the Highest Flood Level and where such equipment is not possible to be installed above Highest Flood Level, it shall be ensured that there is no seepage or leakage or logging of water.

h) As per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022/CEA Manual on Transmissions Planning criteria 2023, Line approaching substation shall normally be perpendicular to the substation boundary for a stretch of 2-3 kms. Accordingly, TSP shall ensure that line terminations at substations are arranged in a manner to avoid hindrance to future line terminations at the substations.

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C. SPECIFIC TECHNICAL REQUIREMENT FOR COMMUNICATION

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, and CEA (Cyber Security in Power Sector) Guidelines, 2021, all above documents as amended from time to time.

The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele- protection in addition to one channel for speech plus data for each direction

The communication services viz. SCADA, AGC (wherever applicable), VoIP, AMR and PMU have been identified as critical services and therefore shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation.
PMU to PDC communication (wherever required) shall be through 2 channels to the PDC (main) as there is no backup PDC at present.

Accordingly all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup SLDCs/RLDCs.

The complete InSTS communication system commissioned by TSP under the RFP shall be the asset of InSTS and shall be available for usage of InSTS requirements as suggested by Maharashtra STU/CTU from time to time.

In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following**:**

C.1.0 Establishment of 2x1500 MVA, 765/400/220 kV AIS Kandalgaon with 240 MVAR bus Reactor at 765 kV level

i) TSP shall supply, install and commission one or more No. FODP (120 F or higher) along with panel and approach Cable (48F each), with all associated hardware fittings from gantry tower to Control Room for all the incoming lines / Bays envisaged under the present scope.

ii) TSP shall supply, install and commission One or more STM-16 (FOTE) equipment along with panel/s supporting minimum Eleven (11) directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and

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data communication requirement among 765/400/220 kV AIS Kandalgaon 220 kV line bay. The suitable DC Power Supply and backup to be provided for communication equipment.

iii) FODP and FOTE equipment with panels shall be provided in Control Room of 765/400/220 kV AIS Kandalgaon . FOTE and FODP Equipment can be accommodated in same panel to optimize space.

iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

v) TSP shall supply, install and commission Firewall in redundant mode (1+1) in line with the specification attached at **Annexure F.1**.

vi) The maintenance of all the communication equipment including FOTE, FODP, PMU, approach cable, DCPS along with Battery Bank and Firewall shall be the responsibility of TSP.

C.2.0 LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765/440/220 kV AIS Kandalgaon

LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon, TSP shall supply, install and commission OPGW and earth wire as per Tower Configurations:

i) For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earth wire peaks

ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 48 Fibers (48F) on one earth wire peak and conventional earth wire on other E/W peak for both Loop In and Loop out Lines.

The TSP shall install OPGW cables from gantry of 765/400 kV AIS Kandalgaon up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at 765/400 kV AIS Kandalgaon . The transmission line length for LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon line is **55 kms (approx.).** If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

C.3.0 LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon

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LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon, TSP shall supply, install and commission OPGW and earth wire as per Tower Configurations:

iii) For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earth wire peaks

iv) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 48 Fibers (48F) on one earth wire peak and conventional earth wire on other E/W peak for both Loop In and Loop out Lines.

The TSP shall install OPGW cables from gantry of 765/400/220 kV AIS Kandalgaon up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at 765/400/220 kV AIS Kandalgaon . The transmission line length for LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon line is **20 kms (approx.).** If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

C.4.0 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)

On 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing), TSP shall supply, install and commission One (1) No. OPGW cable containing 48 Fibers (48F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of 220 kV Kandalgaon (Existing) up to the gantry of 765/400 kV AIS Kandalgaon with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **10 kms (approx.),** where repeater may not be required to meet the link budget requirement of 220 kV D/C line from 765/400/220 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) link.

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

C.4.0 FOTE requirement for 220 kV Line bays 220 kV Kandalgaon (Existing)

i) TSP shall supply, install and commission 1 No. FODP (72F or higher) along with panel and required Approach Cable (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

ii) TSP shall supply, install and commission One STM-16 (FOTE) equipment along with panel/s supporting minimum three (3) directions with MSP (Multiplex Section Protection – 1+1) with

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necessary interfaces to meet the voice and data communication requirement between 765/400/220 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing). The suitable DC Power Supply and backup to be provided for communication equipment.

iii) FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of 220 kV Kandalgaon (Existing) which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPRFOTE and FODP can be accommodated in same panel to optimize space.

iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment including FOTE, FODP, approach cable, PMU, DCPS along with Battery Bank shall be the responsibility of TSP.

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Annexure-F.1

Next Generation Firewall (NGFW)

TSP shall provide 2 Nos. Next Generation Firewalls (NGFW); one No. Main and one No. Standby mode having electrical ethernet interfaces/ports and placed between FOTE and SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).

Minimum 16 Nos. of ports/interfaces in each firewall (i.e. Main and Standby). TSP can use either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.

The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.

Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.

The specifications for the firewalls are given at **Annexure-F.2** and schematic diagram showing firewall placement given at **Figure F.2**.

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Annexure F.2

Specifications of Next Generation Firewall (NGFW)

NGFW shall have following features including but not limited to:

1. Encryption through IPSec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) and Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) and Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), Anti-Virus, Anti-Spyware, Man In The Middle (MITM) attack prevention.
2. The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP and UDP packets. It shall have the provision to define application control list based on application group and/or list.
3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching
4. Firewall shall have Management Console port to configure remotely.
5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.
6. Firewall shall be rack mounted in existing standard equipment cabinets.
7. Firewall shall have support of SCADA applications (IEC-60870-5-104), ICCP, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.
8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux and Mac.
9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.
10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time.
11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.

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12. Firewall shall have the capability to configure sufficient number of VLANs.
13. Firewall shall have the capability to support sufficient number of sessions.
14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 Nos., (one-to-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps
15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security
16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.
17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality
18. Shall support simultaneous operation with both IPv4 and IPv6 traffic
19. Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization
20. Firewall shall have the features of port as well as MAC based security
21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.
22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.
23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.

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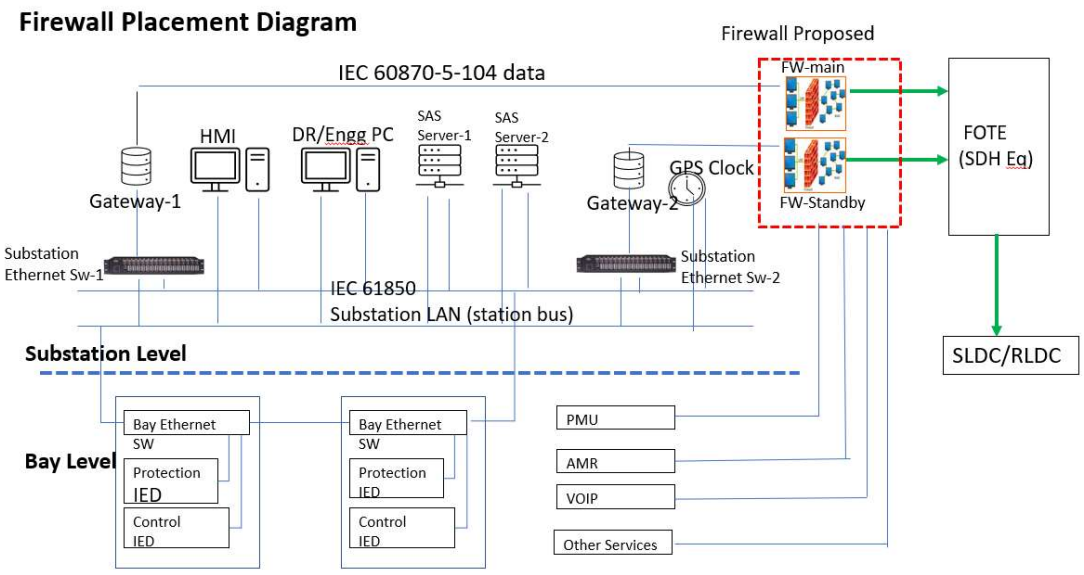


Figure F.2

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Annexure F.3

C.5.0 PLCC and PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele- protection in addition to one channel for speech plus data for each direction. The PLCC equipment shall in brief include the following: -

i) Coupling device, Coupling Filters, line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.

ii) At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centers (RLDC/SLDC) etc.

iii) Coupling devices shall be suitable for phase to phase coupling for 765 kV and 400 kV Transmission lines. The pass band of coupling devices shall have sufficient marginfor adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.

iv) The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in caseof extreme frequency congestion.

v) The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier terminals and Protection couplers shall be considered for both ends of the line.

vi) PLCC equipment for all the transmission lines covered under the scheme (consisting of one set of analog PLCC channel along with circuit protection coupler and one setof Digital protection coupler for both ends) shall be provided by TSP. CVT and Wave trap for all the line bays under present scope shall be provided by TSP.

vii) TSP shall provide/ undertake necessary addition/ modification/ shifting/ re-commissioning etc. of PLCC equipment due to LILO of transmission lines (wherever applicable).

viii) PLCC equipment for all the transmission lines covered under the scheme shall be provided by TSP. PLCC to be provided for following lines under present scope:

Sl. No	Line name	PLCC configuration
1	LILO on 765 kV D/C line from Satara	1 set Analog PLCC + 1 set Digital Protection

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	(Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	Coupler for each circuit at each end after LILO.
2	LILO on 400 kV D/C line from Dabhol to Nagothane at 765/400/220 kV AIS Kandalgaon	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at each end after LILO.
3	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.

ix) Further, CVT and Wave trap for all 765 kV and 400 kV line bays under present scope shall be provided by TSP.

x) TSP shall provide all PLCC equipment due to LILO of transmission lines (wherever applicable).

xi) All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.

xii) Two (2) sets of 48 V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

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Sl.	Existing Provisions	Revised Provisions
1.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** TSP shall supply, install & commission Firewall in redundant mode (1+1) in line with the specification attached at Annexure F.1.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** TSP shall **deploy Cyber Security System in compliance with CEA (Cyber Security in Power Sector) Guidelines, 2021 and CEA (Cyber Security in Power Sector) Regulation, from its date of publication/ notification and their amendments thereof.**
2.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** The maintenance of all the communication equipment and software thereof including FOTE, FODP, PMU, approach cable, DCPS along-with Battery Bank & Firewall shall be the responsibility of TSP.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** The maintenance of all the communication equipment and software thereof including FOTE, FODP, PMU, approach cable, DCPS along with Battery Bank & **Cyber Security System** shall be the responsibility of TSP.
3.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** Annexure-F.1 Next Generation Firewall (NGFW) TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and IPSec VPN (network encryption).	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** **Deleted** ~~Annexure F.1~~ ~~Next Generation Firewall (NGFW)~~ ~~TSP shall provide 2 NGFW one in Main & another in Standby mode having electrical ethernet interfaces/ports and placed between FOTE & SAS gateway/s at the substation. All ethernet based applications shall be terminated in the firewall ports directly (e.g. PMU, AMR, VOIP, SAS/SCADA etc.). Each port of firewall shall work as a separate zone. Firewall shall be hardware based with features of Block/Allow/drop and~~

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Sl.	Existing Provisions	Revised Provisions
	The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps. The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future. Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance. The specifications for the firewalls are given at Annexure-F.2 and schematic diagram showing firewall placement given at Figure F.2.	~~IPSec VPN (network encryption).~~ ~~The number of ports/interfaces in each firewall (i.e. Main & Standby) shall be minimum 16 nos. TSP shall provide either single firewall or multiple firewalls to meet this interfaces requirement, each for main as well as standby firewall. Minimum throughput of firewall shall be 300 Mbps.~~ ~~The Firewall shall be managed/ configured as standalone at present and shall also have compatibility to manage/configure through Centralized Management Console (CMC) remotely in future.~~ ~~Firewall shall be tested and certified for ISO15408 Common Criteria for least EAL4+. Further, the OEM must certify that it conforms to Secure Product Development Life Cycle requirements as per IEC62443-4-1. The firewall shall generate reports for NERC-CIP Compliance.~~ ~~The specifications for the firewalls are given at Annexure-F.2 and schematic diagram showing firewall placement given at Figure F.2.~~
4.	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** Annexure F.2 Specifications of Next Generation Firewall (NGFW) 1. NGFW shall have following features including but not limited to:	**Relevant Provisions of RFP & TSA** **SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION** **Deleted** ~~Annexure F.2~~ ~~Specifications of Next Generation Firewall (NGFW)~~

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Sl.	Existing Provisions	Revised Provisions
	Encryption through IPSec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) & Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), AntiVirus, Anti-Spyware, Man In The Middle (MITM) attack prevention. 2. The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list. 3. Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching 4. Firewall shall have Management Console port to configure remotely. 5. Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3. 6. Firewall shall be rack mounted in existing standard equipment cabinets. 7. Firewall shall have support of SCADA applications (IEC-60870-5-104), ICCP, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols. 8. Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.	1. ~~NGFW shall have following features including but not limited to: Encryption through IPSec VPN (Virtual Private Network), Deep Packet Inspection (DPI), Denial of service (DoS) & Distributed Denial of Service (DDoS) prevention, Port Block/ Allow, rules/ policies for block/allow, IP (Internet Protocol) & Media Access Control (MAC) spoofing protection, threat detection, Intrusion Prevention System (IPS), AntiVirus, Anti-Spyware, Man In The Middle (MITM) attack prevention.~~ 2. ~~The proposed firewall shall be able to handle (alert, block or allow) unknown /unidentified applications e.g. unknown TCP & UDP packets. It shall have the provision to define application control list based on application group and/or list.~~ 3. ~~Firewall shall have feature and also have capability to update the definition/ Signatures of Anti-Virus online as well as offline. Firewall shall also be compatible to update the definitions/signatures through CMC. There shall be a defined process for security patching and firmware up-gradation. There shall be a feature to field validate firmware checksum. The same shall also be validated before using the OEM provided file/binary in the process of firmware up-gradation and security patching~~ 4. ~~Firewall shall have Management Console port to configure remotely.~~ 5. ~~Firewall shall be EMI/EMC compliant in Substation environment as per IEC 61850-3.~~ 6. ~~Firewall shall be rack mounted in existing standard equipment cabinets.~~ 7. ~~Firewall shall have support of SCADA applications (IEC-60870-5-104), ICCP, PMU (IEEE C37.118), Sub-Station Automation System (IEC 61850), Ethernet and other substation environment protocols.~~

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Sl.	Existing Provisions	Revised Provisions
	9. The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions. 10. Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time. 11. Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature. 12. Firewall shall have the capability to configure sufficient number of VLANs. 13. Firewall shall have the capability to support sufficient number of sessions. 14. Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (oneto-many or many-to-one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps 15. Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security 16. Firewall shall support in Active/Passive or Active-Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.	8. ~~Client based Encryption/ VPN must support different Operating System platforms e.g. Windows, Linux & Mac.~~ 9. ~~The solution must have content and comprehensive file detection policies, blocking the files as function of their types, protocols and directions.~~ 10. ~~Firewall shall have logging facility as per standard logs/events format. Firewall shall have features to export the generated/stored logs/events in csv (Comma Separated Value) and also any other standard formats for offline usage, analysis and compliance. Firewall shall have suitable memory architecture and solution to store and be enable to export all logs/events for a period of last 90 days at any given time.~~ 11. ~~Firewall shall have features and be compatible with local as well as central authentication system (RADIUS, LDAP, or TACACS+) for user account and access right management. It shall also have Role Based User management feature.~~ 12. ~~Firewall shall have the capability to configure sufficient number of VLANs.~~ 13. ~~Firewall shall have the capability to support sufficient number of sessions.~~ 14. ~~Firewall shall have provision to configure multiple IP Sec VPNs, at least 100 nos., (oneto many or many to one). Shall support redundant operation with a similar router after creation of all the IP Sec VPN. IPSec VPN shall support encryption protocols as AES128, AES256 and hashing algorithms as MD5 and SHA1. IPSec VPN throughput shall support at least 300 Mbps~~

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Sl.	Existing Provisions	Revised Provisions
	17. Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality 18. Shall support simultaneous operation with both IPv4 and IPv6 traffic 19. Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization 20. Firewall shall have the features of port as well as MAC based security 21. Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management. 22. Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org. 23. Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility. Firewall Placement Diagram Figure F.2	15. ~~Firewall shall be capable of SNMP v3 for monitoring from Network Management system. It shall also have SNMPv3 encrypted authentication and access security~~ 16. ~~Firewall shall support in Active/Passive or Active Active mode with High Availability features like load balancing, failover for firewall and IPsec VPN without losing the session connectivity.~~ 17. ~~Firewall should have integrated traffic shaping (bandwidth, allocation, prioritisation, etc.) functionality~~ 18. ~~Shall support simultaneous operation with both IPv4 and IPv6 traffic~~ 19. ~~Firewall shall be compatible with SNTP/NTP or any other standards for clock synchronization~~ 20. ~~Firewall shall have the features of port as well as MAC based security~~ 21. ~~Firewall shall support exporting of logs to a centralized log management system (e.g. syslog) for security event and information management.~~ 22. ~~Firewall time shall be kept synchronised to official Indian Timekeeping agency, time.nplindia.org.~~ 23. ~~Firewall product shall be provided with all applicable updates at least until 36 months since the applicable date of product shipping to the concerned utility.~~ ~~Firewall Placement Diagram~~ ~~Figure F.2~~

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<table>
<tr><th>Sl.</th><th>Existing Provisions</th><th>Revised Provisions</th></tr>
<tr><td>5.</td><td>
Relevant Provisions of RFP & TSA
<table>
<tr><th>Sl. No</th><th>Name of the Transmission Element</th><th>Scheduled COD in months from Effective Date</th></tr>
<tr><td>1</td><td>…
…
…
Future space Provisions:
• …
• …
• 765 kV line bays- 4 Nos.
• …
• …</td><td>24 Months</td></tr>
<tr><td>2</td><td>…</td><td></td></tr>
<tr><td>3</td><td>…</td><td></td></tr>
<tr><td>4</td><td>…</td><td></td></tr>
<tr><td colspan="3">Note:
…
…</td></tr>
</table>
</td><td>
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…
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Future space Provisions:
• …
• …
• 765 kV line bays- 5 Nos.
• …
• …</td><td>24 Months</td></tr>
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<tr><td>3</td><td>…</td><td></td></tr>
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<tr><td colspan="3">Note:
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<table>
<tr><th>Sl.</th><th>Existing Provisions</th><th>Revised Provisions</th></tr>
<tr><td>6.</td><td>
Clause No A.7.0 of RfP and TSA
….
(b) For all 200 kV lines under present scope
<table>
<tr><th>Transmission line</th><th>ACSR Conductor specified</th><th>Equivalent AAAC conductor based on 53% conductivity of Al Alloy</th><th>Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*</th><th>Sub-conductor Spacing</th></tr>
<tr><td>220 kV D/C (Zebra) transmission lines</td><td>Zebra: Stranding 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 sq mm, Aluminium area, 28.62 mm diameter</td><td>Stranding Details: 61/3.19 mm 28.71 mm diameter; 487.5 sq.mm Aluminum alloy area</td><td>Stranding Details: 61/3.08 mm 27.7 mm diameter; 454 sq.mm Aluminium alloy area</td><td>NA</td></tr>
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<tr><td>220 kV D/C (Zebra) transmission lines</td><td>Zebra: Stranding 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 sq mm, Aluminium area, 28.62 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06868 Minimum UTS: 130.32 kN</td><td>Stranding Details: 61/3.19 mm 28.71 mm diameter; 487.5 sq.mm Aluminum alloy area Maximum DC Resistance at 20°C (Ω/km): 0.06815 Minimum UTS: 135.60 kN</td><td>Stranding Details: 61/3.08 mm 27.7 mm diameter; 454 sq.mm Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0653 Minimum UTS: 108 kN</td><td>NA</td></tr>
</table>
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Sl.	Existing Provisions	Revised Provisions
7.	**Clause No A.9.0 of RfP and TSA** **…** I. Minimum live metal clearances for 765 kV line: … II. Minimum live metal clearances for 400 kV line: … III. Minimum live metal clearances for 220 kV line: (i) … (ii) … (iii) … (iv) … IV. Minimum live metal clearances for 132 kV line: (i) … (ii) … (iii) … (iv) …	**Clause No A.9.0 of RfP and TSA** **…** **I.** Minimum live metal clearances for 765 kV line: … **II.** Minimum live metal clearances for 400 kV line: … **III.** Minimum live metal clearances for 220 kV line: (i) … (ii) … (iii) … (iv) … **(v) However, the phase spacing for 220 kV D/C Line shall be not less than 5.0 m** **IV.** Minimum live metal clearances for 132 kV line: (i) … (ii) … (iii) … (iv) … (v) **However, the phase spacing for 132 kV D/C Line shall be not less than 4.0 m**

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<table>
<tr><th>Sl.</th><th>Existing Provisions</th><th>Revised Provisions</th></tr>
<tr><td>8.</td><td>

B.1.1 Insulation Coordination

<table>
<tr><th>Sl.</th><th>Description of parameters</th><th colspan="3">765/400/220 kV AIS Kandalgaon</th></tr>
<tr><th></th><th></th><th>765 kV System</th><th>400 kV System</th><th>220 kV System</th></tr>
<tr><td>1.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>2.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>3.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>4.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>5.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>i)</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>ii)</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>iii)</td><td>One minute power frequency dry withstand voltage (rms)</td><td>960 kV</td><td>650 kV</td><td></td></tr>
<tr><td>6.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>7.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>8.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>9.</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
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<tr><td>ii)</td><td>…</td><td>…</td><td>…</td><td>…</td></tr>
<tr><td>iii)</td><td>One minute power frequency dry withstand voltage (rms)</td><td>830 kV</td><td>630 kV</td><td></td></tr>
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Sl.	Existing Provisions	Revised Provisions
9.	**All the relevant clauses of RFP, TSA and SPA** **"SPV [which is under incorporation]" …….**	**All the relevant clauses of RFP, TSA and SPA** **"RAIGAD POWER TRANSMISSION LIMITED"**

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Amendment No. 02 dated 04.02.2026 to the RFP documents for selection of Bidder as Transmission Service Provider for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

<table>
<tr><th>Sl.</th><th>Existing Provisions</th><th>Revised Provisions</th></tr>
<tr><td>1.</td><td>

Relevant Provisions of RFP & TSA

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<tr><td>3</td><td>…</td></tr>
<tr><td>4</td><td>220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)
• 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos</td></tr>
<tr><td colspan="3">Note:
1. Space shall be provided by Transmission Utility for (In case of land constraints TSP may opt for GIS bays /acquire suitable land for the extension of the work at existing substations)</td></tr>
</table>

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Relevant Provisions of RFP & TSA

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<tr><td>4</td><td>220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)
• 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos</td></tr>
<tr><td colspan="3">Note:
1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by</td></tr>
</table>

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</table>

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Amendment No. 02 dated 04.02.2026 to the RFP documents for selection of Bidder as Transmission Service Provider for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sl.	Existing Provisions	Revised Provisions
	a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing) 2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters	**Transmission Utility for extension of the work at existing substation)** a) 220 kV **GIS** line bays at 220 kV AIS Kandalgaon (Existing) 2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters
2.	**NA**	***Newly added as B.2.4 before B.2.4 (Protection Relaying and Control System)*** **B.2.4** **… (attached at Annexure-A)**
3.	**B.3.2 Fire Fighting System** Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended from time to time. Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided. At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.	**B.3.2 Fire Fighting System** Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended from time to time. Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided. **Optical Beam type heat detection for GIS hall fire protection system shall be provided for all the GIS halls.** At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

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Amendment No. 02 dated 04.02.2026 to the RFP documents for selection of Bidder as Transmission Service Provider for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sl.	Existing Provisions	Revised Provisions
4.	**NA**	*Newly added as B.3.6 before B.3.6 (Control Room)* **B.3.6 GIS hall** The Gas Insulated Switchgear (GIS) of each voltage level along with other associated equipment shall be housed inside separate GIS building. The panels i.e. Bay level units, bay mimic, relay and protection panels, RTCC panels, PLCC panels, panels for tele-communication system etc. are to be placed in a separate room in the GIS building. The size of the room shall be such that all the panels for the bays under present scope shall be accommodated. The panel room shall be air-conditioned. Further, the temperature of the room shall be monitored through substation automation system by providing necessary temperature transducers. Ventilation system of suitable capacity shall be provided for each GIS hall. GIS hall shall be constructed/extended as per requirement in such a way that its extension does not cause any hindrance to accommodate the bays of future expansion of substation. One EOT Crane of suitable capacity for erection and maintenance of largest GIS component/assembly and all plant installed in the GIS switchgear room shall be provided in each GIS hall or suitably expand the existing crane arrangement. The crane shall be capable of fulfilling all special requirements for erection and maintenance of GIS equipment. The capacity of the crane shall be sized to lift the heaviest GIS switchgear component.
5.	**C.4.0** FOTE requirement for 220 kV Line bays 220 kV Kandalgaon (Existing)	**C.4.0** FOTE requirement for 220 kV **GIS Line bays** 220 kV Kandalgaon (Existing**)**

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B.2.4 220 kV GIS Substation equipment

GIS (Gas Insulated Switchgear) shall be Indoor type in accordance to IEC: 62271-203. The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All the switchgear such as Circuit Breaker, isolator, earth switch including CT, PT etc. shall be GIS type. The Surge Arrestor and Voltage Transformer shall be either GIS or outdoor AIS type.

The GIS assembly shall consist of separate modular compartments e.g. Circuit Breaker compartment, Bus bar compartment filled with SF6 Gas and separated by gas tight partitions so as to minimize risk to human life, allow ease of maintenance and limit the effects of gas leaks failures and internal arcs etc. These compartments shall be designed to minimize the risk of damage to adjacent sections and protection of personnel in the event of a failure occurring within the compartments. Rupture diaphragms with suitable deflectors shall be provided to prevent uncontrolled bursting pressures developing within the enclosures under worst operating conditions, thus providing controlled pressure relief in the affected compartment. The arrangement of gas sections or compartments shall be such as to facilitate future extension of any make without any drilling, cutting or welding on the existing equipment. To add equipment, it shall not be necessary to move or dislocate the existing switchgear bays. The layout of Gas Insulated Bus Ducts shall be properly planned to optimize the length of bus ducts and for easy accessibility for maintenance. The length of busbars, bus ducts, isolator sections shall be optimized considering effects of fast transient voltage due to isolator operations.

The bus bar modules including auxiliary bus modules (wherever applicable) shall be provided with suitable End Piece (Interface) module on both sides with the test link facility for future extension as per provisions of future requirements. The end piece module shall be designed in such a way so that future GIS modules may be tested without extending test voltage to existing bus and vice-versa by removing the test link.

TSP shall make available the complete details for the design of interface module such as cross section, enclosure material, enclosure dimensions (inner and outer), Flange diameter (inner and outer), conductor cross-section and connection arrangement, bolt spacing and dimension, rated gas pressure, Gasket detail etc. Further, adequate space for GIS busbar interface module shall be taken into account for

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future scope.

Each section shall have plug-in or easily removable connection pieces to allow for easy replacement of any component with the minimum disturbance to the remainder of the equipment. Inspection windows (View Ports) shall be provided for Disconnector Switches and both type of earth switches i.e. Maintenance and fast operating.

Local Control Cabinets (LCC) shall be provided as per requirement. The alarm and annunciation of GIS equipment shall be wired to the SCADA System.

The material and thickness of the enclosures shall be such as to withstand an internal flashover without burns through for a period of 300 ms at rated short time withstand current. The material shall be such that it has no effect of environment as well as from the by-products of SF6 breakdown under arcing conditions. This shall be validated with Type Test.

Service continuity requirement for GIS:

The GIS equipment with the given bus switching arrangement shall be divided into different gas compartments. During the work such as a fault repair or major maintenance, requiring the dismantling of a gas compartment for which more than one compartments may need to be de-gassed.

TSP shall meet following Service continuity conditions (to the extent possible) with ensuring equipment and operating personnel's safety:

- For One and half breaker bus switching scheme, during a fault in Circuit Breaker compartment, no bus bar and feeder is permitted out of service during maintenance and repair/replacement.
- During a fault in a GIS compartment other than the Circuit Breaker compartment, maximum of one bus bar and/or one feeder is permitted out of service during maintenance and repair/replacement.

UHF sensors in GIS for PD (Partial Discharge) detection:

The adequate number of Ultra High Frequency (UHF) sensors shall be provided in the offered GIS along with suitable portable type Partial

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Discharge (PD) measuring instrument for detection of Partial discharge (of 5 pC and above as per IEC 60270). The number and location of these sensors shall be based on laboratory tests on the typical design of GIS as per recommendations of CIGRE Document No. 654 (Application Guide for sensitivity verification for UHF Partial discharge detection system for GIS).

B.2.4.1 Circuit Breakers (GIS)

GIS Circuit breakers shall in general be of C2-M2 class and comply to IEC-62271-100. The rated break time shall not exceed 40 ms (milli second) for 765 kV and 400 kV. The rated break time shall not exceed 60 ms for 220 kV.Circuit breakers shall be suitable for single phase and three phase auto reclosing. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 765 kV lines shall be provided with pre-insertion closing resistor of about 450 ohms with 9 ms insertion time or Controlled Switching Device (CSD). The Circuit breakers controlling 400 kV lines wherever required shall be provided with pre-insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be the same as the rated capacity and this is proposed to be achieved without use of opening resistors. Controlled switching device shall be provided in Main and Tie bay circuit breakers of Bus reactors and Transformers for 400 kV and above voltage class.

B.2.4.2 Isolators (GIS)

The isolators shall comply to IEC 62271-102 in general. Earth switches shall be provided at various locations to facilitate maintenance. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. All isolators and earth switches shall be motor operated type.

The isolator shall be of extended mechanical endurance class-M2 and suitable for Bus Transfer Current Switching duty as per IEC standards. High speed earthing switches shall be provided for grounding purposes at overhead line terminations and cable terminations and shall have fault making capability as specified. Earth switch for line isolator shall be of earthing switch class E1 and shall be suitable for induced current switching duty as defined for Class-B as per relevant standard.

B.2.4.3 Current Transformers (GIS)

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Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) shall have five cores (four for protection and one for metering) whereas; CT in Tie bays shall have six cores (four for protections and two for metering) suitably distributed on both sides of CB (for 400 kV and above voltage class). 220 kV Current Transformers shall have five cores (four for protection and one for metering).The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. The accuracy class for protection core shall be PX and for the metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 20 VA for metering core) for better sensitivity and accuracy.

The instrument security factor shall be less than 5 for CTs up to 400 kV voltage class and less than 10 for CTs of 765 kV voltage class.

B.2.4.4 Voltage Transformer (GIS)

The voltage transformers shall conform to IEC-61869. Voltage transformers shall be of electromagnetic type with SF6 gas insulation. The earth end of the high voltage winding and the ends of the secondary winding shall be brought out in the terminal box. The voltage transformers shall be located as a separate bay module and will be connected phase to ground and shall be used for protection, metering and synchronization. The voltage transformers shall be of inductive type, nonresistant and shall be contained in their own-SF6 compartment, separated from other parts of installation. The voltage transformer shall be effectively shielded against high frequency electromagnetic transients. The voltage transformer shall have three secondary windings out of which two shall be used for protection and one for metering. The voltage transformer should be thermally and dielectrically safe when the secondary terminals are loaded with the guaranteed thermal burdens. The accuracy class for protection cores shall be 3P. The accuracy of 0.2 on metering core should be maintained throughout the entire burden range on all the three windings without any adjustments during operation. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

B.2.4.5 Surge Arresters (GIS) (if applicable)

624 kV Station High (SH) duty, 336 kV Station High (SH) and 216 kV Station Medium (SM)duty gapless type Surge arresters with thermal energy (Wth) of minimum 13 kJ/ kV , 12 kJ/ kVand 7kJ/kV respectively shall be provided for 800 kV , 420 kV and 245 kVsystem respectively

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conforming to IEC 60099-4 in general. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and Reactors so as to achieve proper insulation coordination. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4.6 SF6 to Air Bushing

Outdoor bushings, for the connection of conventional external conductors to the SF6 metal enclosed switchgear, shall be provided. Bushings shall generally be in accordance with the requirements of IEC-60137. The creepage distance over the external surface of outdoor bushings shall not be less than 31 mm/ kV. SF6 to air Bushing shall be of Polymer/ composite type and shall be robust and designed for adequate cantilever strength to meet the requirement of seismic conditions. The electrical and mechanical characteristics of bushings shall be in accordance with IEC-60137. Polymer/composite insulator shall be seamless sheath of silicon rubber compound. The housing and weather sheds should have silicon content of minimum 30% by weight. It should protect the bushing against environmental influences, external pollution and humidity. The hollow silicon composite insulators shall comply with the requirements of IEC 61462 and the relevant parts of IEC-62217.

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<table>
<tr><th>Sl.</th><th>Existing Provisions</th><th>Revised Provisions</th></tr>
<tr><td>1.</td><td>

Clause No A.7.0 of RfP and TSA

….

(b) For all 400 kV lines under present scope

Type of conductor: ACSR / AAAC / AL59

<table>
<tr><th>Transmission line</th><th>ACSR Conductor specified</th><th>EquivalentAAAC conductor based on 53%conductivity of Al Alloy</th><th>Equivalentminimum size of AL59 conductor based on 59% conductivity of AL Alloy*</th><th>Sub-conductor Spacing</th></tr>
<tr><td>400 kV D/C (Quad Bundle) transmission lines</td><td>Moose: Stranding
54/3.53mm-Al + 7/3.53 mm- Steel,
31.77 mm diameter

528.5 mm^2,
Aluminium area,

Maximum DC Resistance at 20°C (Ω/km): 0.05552

Minimum UTS: 161.20 kN</td><td>Stranding details:
61/3.55(61/3.66)mm
31.95 (32.94) mm diameter;

604 (640) mm^2
Aluminium alloyarea
Maximum DC Resistance at 20°C (Ω/km): 0.05506 (0.0534)
Minimum UTS: 159.80 (178.43) kN</td><td>Stranding details:
61/3.31mm
29.79 mm diameter;

525 mm^2
Aluminium alloyarea

Maximum DCResistance at 20°C (Ω/km): 0.0566

Minimum UTS: 124.70 kN</td><td>457 mm</td></tr>
</table>

</td><td>

Clause No A.7.0 of RfP and TSA

….

(b) For the 400 kV LILO Line on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon under present scope

Type of conductor: AAAC

<table>
<tr><th>Transmission line</th><th>EquivalentAAAC conductor based on 53% conductivity of Al Alloy</th><th>Sub- conductor Spacing</th></tr>
<tr><td>400 kV D/C (Quad Bundle) transmission lines</td><td>Stranding details:
61/3.45mm
31.05 mm diameter;

570 mm^2
Aluminium alloy Area

Maximum DCResistance at 20°C (Ω/km): 0.0598

Minimum UTS: 158.66 kN</td><td>457 mm</td></tr>
</table>

</td></tr>
</table>

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Set 1 Clarifications to RFP & Project Documents of Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
1	**RfP** **Clause 1.6.2.1 (2):** To obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the Government at least twenty (20) days prior to Bid Deadline.	It is requested you to kindly provide present status of process initiated by BPC with regard to section 68 approval.	Approval for laying of Overhead Transmission Lines under Section 68 has been applied with the concerned authorities. The same shall be shared with the successful bidder.
2	**RfP** **Clause 1.6.2.1 (4):** To initiate process of seeking forest clearance, if required.	It is requested you to kindly provide present status of Forest Clearances if any transmission line corridor area falling in wildlife forest / reserve forest/ mangroves.	Based on the preliminary survey, the process of initiation of forest clearance for the forest stretches, if any, enroute the proposed route alignment, will be initiated by way of writing letters to the concerned authority (ies). However, it may be noted that it will be the responsibility of TSP for obtaining clearance for forest/wildlife forest / reserve forest/ mangroves etc. enroute, based on the route finalized by them after detailed survey considering the requirements of RFP and CEA regulations. Bidders may also refer to clause 2.5.7.3 of RFP.
3	**RfP** **Clause 1.6.2.2:**	Please provide copy of all such document available with you from the State Government and/or Ministry of Power and/or kindly facilitate for State Support Agreement.	The necessary support shall be provided to the TSP on case-to-case basis, within applicable laws and regulatory framework.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain Consents, Clearances and Permits		
4	**RfP** Clause 1.10 The Ministry of Power and the appropriate state government(s) shall provide their support to the TSP, on best endeavor basis, in enabling the TSP to develop the Project.	We request you to share all such documents or correspondence happened with MOP and State Government, this will help the TSP is taking further approvals for the project.	The necessary support shall be provided to the TSP on case-to-case basis, within applicable laws and regulatory framework.
5	**RfP** Clause 2.15.2 Within ten (10) days of the issue of the Letter of Intent, the Selected Bidder shall: a) provide the Contract Performance Guarantee in favour of the Nodal Agency as per the provisions of Clause 2.12 b) execute the Share Purchase Agreement and the Transmission Service Agreement c) acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of [Insert the name of the SPV] from PFC Consulting Limited, who shall sell to the Selected Bidder, the equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities;	BPC will appreciate that the completion of said activities by the Selected Bidder within ten (10) days after issuance of LoI is very stringent. Also, execution of SPV / signing of share purchase agreement is not within the control of TSP as it is dependent on certain regulatory approvals as well. We therefore request to consider at least 30 days' time for completion of these activities as well as provide a carve out for consequences if the delay is not on account of TSP.	This is as per the Standard Bidding Documents and amendments thereof, issued by the Ministry of Power and hence, no change is envisaged.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
6	**RfP** Clause 2.15.2 Stamp duties payable on purchase of one hundred percent (100%) of the equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities, shall also be borne by the Selected Bidder.	We request you to provide Applicable Stamp Duty Charges and Amount of Stamp Paper for the following agreements: i. Transmission Service Agreement ii. Share Purchase Agreement iii. Power of Attorney iv. Share Transfer Form It will be helpful if you can specify the name of 1st party and 2nd party for purchase of stamp papers.	As per the Delhi Stamp duty Schedule 1A, stamp duty payable on Share Purchase Agreements is Rs. 1,000; however such agreement also include separate agreements in respect of Arbitration, Indemnity, guarantee, etc. and stamp duty on these separate items are also considered for the total stamp duty payable. Therefore, based on these identified stamp duties and taking some extra ones, the stamp duty of Rs. 1,200 has been considered for Share Purchase Agreements. This is a customary practice and we are fine with the same. The TSA would be executed in Maharashtra and Stamp Duty payable by TSP shall be as per applicable Maharashtra Stamp Act Three agreements will be signed in original, therefore separate stamp duty is payable on each of the agreement.
7	**RfP** Clause 2.15.4 Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as	The condition to apply for grant of transmission license and make application for adoption of transmission charges within 5 days is onerous. Request to please change the relevant provisions as per the suggested text in RFP and TSA **Suggested text for the amendment** Clause 2.15.4 may be reworded as below -	This is as per the Standard Bidding Documents and amendments thereof, issued by the Ministry of Power and hence, no change is envisaged.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	required under Section – 63 of The Electricity Act 2003.	Within ten (10) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003.	
8	**RfP** Clause 2.15.5 If the Selected Bidder / TSP fails or refuses to comply with any of its obligations under Clauses 2.15.2, 2.15.3 and 2.15.4, and provided that the other parties are willing to execute the Share Purchase Agreement and PFC Consulting Limited is willing to sell the entire equity shareholding of [Insert the name of the SPV], along with all its related assets and liabilities, to the Selected Bidder, such failure or refusal on the part of the Selected Bidder shall constitute sufficient grounds for cancellation of the Letter of Intent. In such cases, the BPC / its authorized representative(s) shall be entitled to invoke the Bid Bond of the Selected Bidder.	It is requested to kindly clarify as to what will be the consequences if the Selected Bidders fails to comply with any of Its obligations under 2.15.2, 2.15.3 and 2.15.3 due to reasons beyond the control of or not attributable to Selected Bidder / TSP. As the consequences for failure to comply the obligations under 2.15.2, 2.15.3 and 2.15.3 is the cancellation of Letter of Intent (LOI). We request you to reconsider the same as it would be unfair if LOI of selected bidder is cancelled due to reasons beyond its control.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail. Further, the provision for extension provided in Clause 2.15.2 of RFP document shall be applicable.
9	**RfP** **Clause 2.4.3** The amendment to the RFP shall be notified to all the Bidders through the electronic bidding platform and shall be binding on them.	We understand that the BPC will also continue to share amendments / corrigendum through emails as per the current practice.	Amendments/Corrigendum are being made available on BPC website. It is also shared with the bidders through email.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
10	**RfP** **Clause 3.6.1** However, if no bid is received during the e-reverse bidding stage then the Bidder with lowest quoted initial transmission charges ("Initial Offer") during e-bidding stage shall be declared as the Successful Bidder, ……	We request you to clarify, if two or more bidders quote the same initial offer which turns out to be prevailing lowest levelized tariff and no further discount is offered by any bidder during e-reverse auction. In such case what will be the modality BPC will follow for award of project. BPC to confirm	The e-RA will be conducted as per SBDs and the details of the successful bidder will be intimated only after conclusion of e-Reverse Auction (e-RA) process. In e-RA, two bidders cannot have same price bid as every bid has to be necessarily less than the previous bid. Two or more bidders quoting the same initial price offer would be a rare and hypothetical scenario. In such a hypothetical case, if no bids are quoted in e-RA, the decision of the competent authority shall prevail.
11	**RfP** General	The board meeting of Bidding Company / TEE may not be scheduled till RFP submission. Thus, we request you to kindly consider the board resolution passed by the management committee formed by the board of directors' w.r.t. Authorization from Bidding Company and TEE. 1) We request you to kindly accept the Board resolutions passed by Management Committees formed by the Board of Directors of Bidding Company and TEE / affiliate respectively and duly authorized by the Board of Directors for participation in various tenders issued by Govt. authorities in response to the RFP submission. 2) We request you to clarify whether there are any deviations/addition in the RFP/TSA documents from the Standard Bidding documents (SBD) and if any, whether approval for the same has been taken or not. Please provide the list of the same, if any.	The Board Resolutions passed by the Management Committee with duly authorized delegation of power in favour of the Management Committee from the Board of Directors may be considered as per the provisions of RFP.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
12	**RfP** ANNEXURE 22 – FORMAT FOR AFFIDAVIT	We understand that the declaration and details with respect to conviction and investigation is to be provided for Affiliate / Parent company of the Bidding company only if such an Affiliate / Parent company is being used for meeting financial / technical qualification requirements.	The declaration and details with respect to Clause 2.1.9 of RFP is to be provided by the bidding company including Affiliate / Parent company of the Bidding company being used for meeting financial/technical qualification requirements as per Annexure 22 of the RFP document.
13	**TSA** **Clause 1.6.1.5** The TSP shall seek approval under Section 164 of Electricity Act, from CEA after acquisition of [Insert the name of the SPV], The approval shall be granted by CEA generally within 30 days but in no case later than 45 days from the date of receipt of application (complete in all aspects).	It may be appreciated that obtaining approval U/s 164 takes considerable time. In the interest of timely completion of project, it is suggested that BPC may initiate the process U/s 164. It is requested you to kindly clarify whether process of obtaining authorization U/s 164 of Electricity Act, 2003 would be initiated by BPC. **Suggested changes / amendment** It is suggested that BPC may initiate the process for obtaining approval U/s 164 based on the survey undertaken by BPC.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail. Further, as per the provisions of RFP, TSP shall initiate the process for obtaining approval U/s 164.
14	**TSA** **Article 3.3.1** If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months after the time specified therein, then on and from the expiry of such period and until the TSP has satisfied all the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be liable to furnish to Long Term Transmission	Additional CPG shall be recovered for the non-fulfillment of Conditions Subsequent. However, this additional CPG is then forming part of CPG and is being retained by Nodal Agency. Considering the fact that additional CPG is consequential guarantee for performance related to condition subsequent, it is requested to review the provision and amend the provision to refund the additional CPG on fulfillment of Conditions Subsequent.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	System Users additional Contract Performance Guarantee of Rs. 5.49 Crore (Rupees Five Crore Forty-nine Lakh Only) within two (2) Business Days of expiry of every such Month. Such additional Contract Performance Guarantee shall be provided to Long Term Transmission System Users in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. Long Term Transmission System Users shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.	In view of the rationale provided here, it is requested to amend the provision regarding refund of additional CPG on fulfillment of Conditions Subsequent.	
15	**TSA** **Article 4.4 Extension of Time**	Clearances/ approval such as authorization u/s 164, Forest clearance, Grant of Transmission License and approval for adoption of tariff are not within the control of TSP once it has been applied after fulfilling all the necessary compliance, any consequential delay is required to be allowed. TSP is required to obtain certain clearances/ approval such as authorization u/s 164, Forest clearance, Grant of Transmission License and approval for adoption of tariff etc. In case if there is any delay in these approvals beyond stipulated time, such delay shall be considered for extension of SCOD of the project and any consequential increase in cost shall be allowed through appropriate adjustment in the tariff.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
16	**TSA** **Article 5.1.2** The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).	There may be number of reasons for unsuitability of the site or transmission line route which are beyond control of the TSP. For such instances, suitable extension of time and appropriate adjustment in tariff shall be provided. TSP cannot be burdened with impact of unsuitability of the site or transmission line route due to reasons beyond control. Therefore, suitable revision may be carried out in clause 5.1.2.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
17	**TSA** **Article 5.6** **Site regulations and Construction Documents** The TSP shall abide by the Safety Rules and Procedures as mentioned in Schedule 3 of this Agreement The TSP shall retain at the Site and make available for inspection at all reasonable times copies of the Consents, Clearances and Permits, construction drawings and other documents related to construction.	Construction drawings and few specific documents may be proprietary/ confidential and is against commercial interest of the TSP. Inspection of Construction drawings and other documents related to construction may be deleted from clause no. 5.6.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
18	**TSA** **Article. 6.4.1** Liquidated Damages for Delay in achieving COD of Project by TSP.	If the TSP fails to achieve COD for any Element of the Project or for the Project by SCOD, then the TSP is required to pay liquidated damages. It is noted that, Clause 6.4.1 of the TSA does not exclude delays caused	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
		due to a Force Majeure or Nodal Agency's default. This may well be a drafting oversight and may be clarified. The TSP should also not be liable to pay liquidated damages in the event the delay is not attributable to the TSP. Accordingly, it may be clarified that no damages will be payable in the event the delay is on account of Force Majeure or Nodal Agency's default.	
19	**TSA** **Article 11.3 Force Majeure** A 'Force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:	**Suggested text for the amendment** Underlined text may be added under Article 11.3 : A 'Force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party or **makes performance of obligation commercially unviable for the Affected Party** in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
20	**TSA & RFP** **<u>Provisions in TSA</u>** *(Provision related to non fulfilment of condition subsequent)* **3.3.6** The Nodal agency, on the failure of the TSP to fulfil its obligations, if it considers that there are sufficient grounds for so doing, apart from invoking the Contract Performance Guarantee under para 3.3.3 may also initiate proceedings for blacklisting the TSP as per provisions of Article 13.2 of TSA. *(Termination procedure for TSP event of default)* **13.2** Further, the Nodal Agency may also initiate proceedings to blacklist the TSP & its Affiliates from participation in any RFP issued by BPCs for a period of 5 years. **<u>Provisions in RFP</u>** *(Non fulfilment of Obligations by TSP post issuance of LoI and post acquisition of SPV)* **2.15.8** The annulment of the award, under Clause 2.15.5 or 2.15.6 of this RFP, shall be sufficient grounds for blacklisting the bidder, whose award has been	The blacklisting of TSP for a period of 5 years for default, failure to complete conditions subsequent & annulment of award, and for indefinite period for error in online and physical submission is onerous and harsh on TSP. TSP's event of default covers a lot of activities, and if TSP fails to comply with even one activity, TSP is at risk of getting blacklisted. Further, TSA provides discretionary right to Nodal agency to decide whether TSP would be blacklisted. In case of discrepancy in submission, it is requested that BPC shall seek clarification from bidder and upon failure to provide clarification and complete investigation only, should construe such activity as fraudulent practice. Hence it is requested to include blacklisting only in extreme cases and provide definite guidelines on Nodal Agency's right to blacklist bidders. Also in RFP, blacklisting for annulment of project award would be done by government, while in other cases it would done by Nodal Agency. It is requested that blacklisting rights shall only reside with government.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply 229
	annulled, for a period of five years or more, as decided by the National Committee on Transmission, provided that the blacklisting shall be done only after giving the bidder an opportunity for showing cause. (*Discrepancy in online and physical submission of selected bidder)* **3.6.1** In case, there is a discrepancy between the online submission and physical documents, the bid would be out rightly rejected and the bidder shall be construed to have engaged in the fraudulent practice as defined in Clause 2.19.3 with consequences as mentioned in Clause 2.19.2. Further, in such a case, the provisions of Clause 2.5.6 (j) shall apply.		

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply **230**
21	**TSA** **13.3 Procedure for Nodal Agency's non-fulfilment of Role** a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2. the TSP may serve notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a ''TSP's Preliminary Notice"), which notice shall specify in reasonable detail the circumstances giving rise to such non-fulfillment of role by the Nodal Agency.	The contract clauses as per TSA favors the Nodal Agency. All the termination rights are provided to Nodal Agency and the agreement does not provide the other party (TSP) right to terminate in case of default of Nodal Agency. In absence of termination right, TSP is at risk commercially, if Nodal agency fails to fulfill its assigned responsibilities, for example failure of Nodal Agency to pay the quoted transmission charges. Also, the methodology for computation of compensation to TSP, in case of mutual agreement to terminate, should be defined upfront. **Suggested changes / amendment** **13.3 Procedure for Nodal Agency's non-fulfilment of Role** a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2. the TSP may serve **TERMINATION** notice on the Nodal Agency, with a copy to CEA and the Lenders' Representative (a ''TSP's Preliminary **Termination** Notice").	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
22	**TSA** 3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy	In case of delay in SCOD due to FM event, the provision gives discretionary right to Nodal Agency to terminate TSA after occurrence of FM event. There should be gestation period of at least 6 months after start of FM event. Post completion of 6 months, both parties may decide to terminate the contract on mutual agreement. In case of FM, there should not be any unilateral right to terminate. Also, the methodology for computation of compensation to TSP, in case of mutual agreement to terminate, should be defined upfront.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1. 4.4.2 In the event that an Element or the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event. **Alternatively, if deemed necessary, the Nodal Agency may terminate the Agreement as** per the provisions of Article 13.4 by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement. 13.4 Termination due to Force Majeure 13.4.1 In case the Parties could not reach an agreement pursuant to Articles 3.3.4 and 4.4.2 of this Agreement and the Force Majeure Event or its effects continue to be present, the Nodal Agency shall have the right to cause termination of the Agreement. In case of such termination, the Contract Performance Guarantee shall be returned to the TSP as per the provisions of Article 6.5.1.	**Suggested changes / amendment** 3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. I**n case the Force Majeure Event continues even after a period of one hundred and eighty (180) days if deemed necessary, the Nodal Agency or TSP, upon mutual agreement may terminate the Agreement as** per the provisions of Article 13.4 by giving a Termination Notice to **the other party**, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.	
23	**TSA** Clause 5.8 "Remedial Measures:	This is very stringent clause and provides for agreement termination at the subjective discretion of Nodal Agency. Request to modify the clause as:	This is as per the Standard Bidding Documents. No change is envisaged

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	The TSP shall take all necessary actions for remedying the shortfall in achievement of timely progress in execution of the Project, if any, as intimated by the Independent Engineer and/ or CEA and/ or the Nodal Agency. However, such intimation by the Independent Engineer and/ or CEA and/ or the Nodal Agency and the subsequent effect of such remedial measures carried out by the TSP shall not relieve the TSP of its obligations in the Agreement. Independent Engineer and/ or CEA and/ or the Nodal Agency may carry out random inspections during the Project execution, as and when deemed necessary by it. **If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to CEA and the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement ."**	**…… If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the CEA and/ or the Nodal Agency, it may refer the same to the Appropriate Commission for appropriate action.**	
24	**TSA** 13.7 Termination Payment 13.7.1 If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Long Term Transmission System User's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Long Term Transmission System User shall take over the Project Assets	Guidelines on valuation of project assets conducted should be provided to ensure there is no ambiguity. Further if TSA is terminated during operating period of project, guidelines on valuation of assets in such event to be provided.	Valuation of project assets shall be done as per the prevailing industry practices. Please refer Clause No. 18.2.e. of TSA.

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25	**TSA** 13.5 Termination or amendment due to non-requirement of any Element or Project during construction 13.5.1 In case any Element or Project, which is under construction, is no longer required due to any reason whatsoever, the Nodal Agency may issue a notice to this effect to the TSP. 13.5.2 Nodal agency may also issue notice to the TSP seeking their response to the proposed termination/ amendment (as the case may be) of the Agreement. The Nodal Agency shall issue copy of such notice to Lenders. In the notice, Nodal Agency shall also include an assessment of the physical progress made by TSP in the Element/ Project (as the case may be) that is no longer required. 13.5.3 The TSP shall neither carry out further Investment nor carry out any work on the Element/ Project (as the case may be) that is no longer required after delivery of the notice. 13.5.4 After taking into account the comments of the TSP, the Nodal Agency may terminate the Agreement or amend it if both Parties agree to the amendment.	Guidelines on amendment of TSA in case of non-requirement of any element during construction should be clearly specified, especially the treatment of Quoted Transmission Charges and capital cost of element no longer required. For example, if 50% construction of an element is completed and that element is not required, how would the TSP be compensated for the capital cost of the element.	Valuation of project assets shall be done as per the prevailing industry practices. Please refer Clause No. 18.2.e. of TSA.
26	**TSA** 12. Change in Law	As SPV acquisition price is part of capital cost of project, any change in Acquisition price after bidding would directly affect the bidder commercially and it is totally beyond the control of TSP. Hence, it is requested to kindly allow change in acquisition price under CIL event.	The change in acquisition price to the extent as per Provisions under Clause No. 3.5 of Tariff Based Competitive Bidding Guidelines for Transmission Service issued on 10.08.2021 shall prevail.
27	**TSA** D)The TSP has agreed to make an application for a Transmission License to the Commission for	As per revised TSA, asset to be transferred to Nodal agency post 35 years (BOOT). The assets created would be **Financial assets instead of Fixed assets**. Under IndAS	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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	setting up the Project on **build, own, operate and transfer basis.**	accounting rules, **depreciation** of financial assets is **not allowed**. Further, TSP would be at risk of authorities levying 18% GST upfront on construction revenue recognized on COD. **Higher taxation** would impact the project economics eventually leading to higher tariff for the Consumers. Under BOOT model, **asset condition may degrade** towards end of concession period due to lack of incentive for developer to maintain the asset by incurring some capex. Hence it is requested to continue with the BOOM model.	
28	**TSA** 5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, **beyond a period of 45 days** shall lead to a sequestration of 10% of the Contract Performance Guarantee. 6.4.5 For avoidance of doubt, it is clarified that amount payable by TSP under this Article is over and above the penalty payable by TSP under Article 5.5.6 of this Agreement.	Clause 13.1.b of TSA allows upto 6 months' delay in commissioning of element after SCOD. 10% sequestration clause does not cover any delay due FM or CIL event. If in case all the elements of projects are declared as "critical elements", TSP is liable for 10% CPG sequestration. It is requested to kindly extend period beyond which CPG sequestration shall occur to 6 months. Further, TSP should not be made liable for LD payments on account of delay in project / element commissioning more than as identified under clauses 6.4.1 and 6.4.2 **Suggested changes / amendment** 5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, **beyond a period of 6 months (as per clause 13.1.b) unless extended by Nodal Agency due to FM/CIL as per provisions of this agreement,** shall lead to	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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		a sequestration of 10% of the Contract Performance Guarantee.	
29	**TSA** **1.2 Computation of Monthly Transmission Charges** AA- Actual Availability ; MTC- Monthly transmission charges; Tmn = transmission charges for month ”m” in contract year “n” *For incentive* *a. If 98%< AA < 98.5%; MTC= Tmn*1;* *b. If 98.5% < AA < 99.75% ;* *MTC= Tmn* (AA / 98.5 %);* *c. If AA> 99.75%;* *MTC = Tmn* (99.75 % /98.5 %);* *For Penalty* *d. If 95 % < AA < 98 %* *MTC = Tmn* (AA / 98 %);* *e. If AA < 95 %* *MTC = Tmn* (AA/98 %) – 0.02* (Tmn* (AA/98%))*	The tariff for projects under TBCB has seen a reduction of 30%-50% as compared to RTM projects. The incentive for maintaining availability above target availability aids in increasing reliability of the transmission system. As the incentive is reduced as per revised provisions, developers may increase the Quoted tariffs to compensate which may result in increased cost of electricity to end consumer. Further there is no incentive for maintaining actual availability between 98% and 98.5%. Hence it is requested to continue with existing provisions for penalty and incentive calculation. **Suggested changes / amendment** *Incentive = 0.02 x Annual Transmission Charges x (Actual Annual Availability – Target Availability)* Target Availability: AC -98% & HVDC -95% *Incentive = 0.02 x Annual Transmission Charges x (Actual Annual Availability – Target Availability)* Target Availability: AC -98% & HVDC -95%	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
30	**TSA** 3.3.4 Provided, that due to the provisions of Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1 .3, shall lead to an equal	In event of FM/CIL event, provisions under revised TSA do not provide for any adjustment in transmission charges for a period of 180 days. TSP is allowed to recover interest cost during construction for period exceeding 180 days.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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	increase in the time period for the Scheduled COD. **If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.**	As large portion (70%) of project cost is funded through debt, repayment of which does not start till COD, any delay in SCOD leads to higher interest built up. This severely affects the project economics of developer. Hence it is requested to allow for recovery of interest cost during construction for entire period of FM/CIL event. **Suggested changes / amendment** 3.3.4 Provided, that due to the provisions of Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1 .3, shall lead to an equal increase in the time period for the Scheduled COD. **The TSP will be allowed to recover the interest cost during construction corresponding for the period of FM/CIL event by adjustment in the Transmission Charges in accordance with Schedule 9.**	
31	**TSA** 18. 1 The Nodal Agency shall appoint an agency/ company as Independent Engineer (IE)……. Responsibilities of IE include progress monitoring, ensuring quality, determine costs of works/services, determine valuation of project assets, assist parties in dispute resolution.	It is requested to not appoint an external agency (Independent Engineer-IE) and the Nodal Agency to execute the functions such as progress monitoring, quality assurance, determination of works/services, valuation of projects assets. Any delay in appointment of IE would delay the project execution. Further addition of an external agency would also be an additional expense which would eventually result in tariff increase.	Nodal Agency shall appoint the Independent Engineer as per the provisions of TSA.

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32	**TSA** 3.1 Satisfaction of Conditions Subsequent by the TSP c. Execute this Agreement;	Since the execution of TSA will require coordination with the CTU, it is requested that the TSA be executed before project acquisition by the project SPV in the interest of saving time. This will also facilitate early completion of the project critical activities	As per revised TBCB Guidelines and SBDs issued by MOP, GoI, TSP on the date of acquisition of SPV from the BPC will enter into a Transmission Service Agreement (TSA) with the Nodal Agency.
33	**TSA** 3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities within six (6) months from the Effective Date …… To obtain the Transmission License for the Project from the Commission;	While the TSP will apply to the respective commission for grant of license, time required for the issuance is beyond the control of TSP once the application is made. We request to modify the clause suitably to incorporate the above.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
34	**SPA** Clause 3.5 The Selected Bidder hereby acknowledges and agrees that after the date of acquisition of one hundred percent (100%) of the Shares of the Company by the Selected Bidder as per Clause 3.3, (a) the authority of the BPC in respect of the Bid Process shall forthwith cease and any actions to be taken thereafter regarding the Bid Process will be undertaken by the Central Transmission Utility of India Limited themselves, (b) all rights and obligations of the BPC shall cease forthwith, (c) all other rights and obligations of the Company shall be of the TSP and (d) any decisions taken by the BPC on behalf of the Company prior to the date of acquisition, shall continue to be	We understand that acquisition price towards acquisition of one hundred percent (100%) of the equity shareholding of the Company, communicated to bidder would include all liabilities pertaining to SPV prior to closing date. Please confirm	The Acquisition Price includes all the assets and liabilities pertaining to SPV and details of the same will be intimated by the BPC as per the provisions of RFP.

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	binding on the Company and/or Central Transmission Utility of India Limited as the case may be.		
35	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) Sl. No. 2,3,4,5,6,8 & 9 General Scope of work	BPC to share the existing SLD & Layout with marking on present scope of work for better clarity.	Please Refer **Annexure-1**
36	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.2.4 d)	it is understood that existing busbar protection have provision for future bays and also PUs are available for future bays. BPC to confirm. Also provide the make and Model of Bus bar protection	Please Refer **Annexure-1**
37	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.3.1	It is understood that existing station having sufficient capacity of LT Trafo, DG set, Battery and battery charger to cater load of bays under present scope and TSP need not to consider New Trafo, DG set & Battey & Battery Charger. BPC to confirm the understanding	Please Refer **Annexure-1**
38	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.3.1 iii)	BPC to confirm the availability of AC & DC feeder in existing ACDB & DCDB for present scope of work	Please Refer **Annexure-1**
39	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.4 a)	BPC to confirm whether the adjacent gantry is suitable for Bay extension or not.	Please Refer **Annexure-1**
40	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.3.5	BPC to confirm Main cable trenches from the control room building to switchyard shall have adequate space provision for laying of cables under the present scope of work.	Please Refer **Annexure-1**

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41	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) B.3.2 Fire Fighting System	A separate FFPH system is not included in the current scope of work. Extension from the existing system has been considered. BPC to confirm our understanding.	Bidder understanding is correct
42	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) Note- Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations)	We request BPC to confirm that land for Kandalgaon (Existing) SS will be provided free of cost to the TSP. Further, in case of any land constraints at Kandalgaon (Existing) SS , BPC is expected to clarify to the TSP either to procure additional land or to consider opting for GIS.	No charge is envisaged for the available land for construction of 220 kV line bays at 220 kV Kandalgaon (Existing). Space for construction of 02 nos of 220 kV AIS bays is available at 220 kV (existing) Kandalgaon Substation. Bidder may confirm the same by visiting substation.
43	**RFP** Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement. B.1.2 Note-iv)	As per note iv) 'Connection arrangement of Switchable Line reactors shall be such that it can be used as Line. reactor as well as Bus reactor with suitable NGR bypass arrangement.' As this project doesn't involve any line reactor this clause is not applicable for this project. BPC to confirm our understanding.	The provisions of the RfP shall prevail
44	**RFP** Space for 765 kV, 400 kV & 220 kV future line bays shall be kept considering provision of switchable line reactors. B.1.2 Note-iv)	As per standard TBCB practice, line reactors are applicable only for voltage levels of 400 kV and above. Accordingly, space provision for future line reactor bays may not be relevant for 220kV voltage level. BPC to kindly review and revise the clause in line with standard TBCB practice.	Bidder understanding is correct

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		Further space provision of future switchable line reactor applicable for 765kV & 400kV future lines only. BPC to confirm our understanding.	
45	**RFP** B.1.1 Insulation Coordination	As per Clause B.1.1 on Insulation Coordination, the creepage specified for 765 kV and 400 kV voltage levels is 31 mm/kV, whereas for 220 kV, 25 mm/kV has been mentioned. BPC to kindly recheck the requirement of creepage for 220kV voltage level.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings for 765 kV,400 kV & 220 kV shall be 24800 mm (31 mm/kV), 13020 mm (31 mm/kV) & 7595 mm (31 mm/kV) respectively. Minimum Creepage distance for Switchyard equipment for 765 kV,400 kV & 220 kV shall be 24800 mm (31 mm/kV), 13020 mm (31 mm/kV) & 7595 mm (31 mm/kV) respectively.
46	**RFP** ANNEXURE C – Technical Specification of Transmission System A.15.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required or mandated, shall be provided on the line.**" In order to optimize the route use of GATISHAKTI platform shall also be made"**	As per the A.15.0 of Annexure C – BPC to provide access of GATISHAKTI Platform to optimize the route Access to the GatiShakti platform is required during the bid phase to ensure accurate route alignment, compliance with connectivity plans, and preparation of competitive proposals	The route alignment provided in the survey report has been prepared using Gati Shakti. BPC is a user of the GATISHAKTI portal and has no right to provide access of GATISHAKTI to bidders. The bidder may approach concern authorities for the same.
47	**RfP** Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations)	In order to have equal platform for bidding it is requested BPC may specify requirement of AIS or GIS bays at existing substation. At present we understand that at	As per the scope of RfP, the 220 kV bays at AIS Kandalgaon (Existing) substation are of AIS configuration. As per the provisions of RfP, space shall be provided by existing/proposed utility.

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		220 kV AIS Kandalgaon (Existing) substation, AIS bays are envisaged, kindly confirm our understanding.	Further, Space for construction of 02 nos of 220 kV AIS bays is available at 220 kV (existing) kandalgaon Substation. Bidder may confirm the same by visiting substation
48	**RfP** General Queries of 220 KV Kandalgaon SS Extension	Kindly provide the below-mentioned existing drawings for extension of 220 kV Existing Kandalgaon AIS Substation: - 1. SLD including present scope 2. General arrangement indicating present scope 3. Electrical layout plan and section drawing 4. Earthmat Layout 5. Structure layout plan and section 6. VMS layout 7. ACDB & DCDB feeder distribution layout 8. Control room building layout 9. Cable trench layout 10. DSLP Layout 11. Existing SAS Make Model and SAS Architecture 12. Existing Bus Bar configuration	Please Refer **Annexure-1** For further information the bidder is requested to visit the substation site and ascertain themselves in co-ordination with the owner. Please also refer 2.5.7 of RFP.
49	**RfP** B.1.1 Insulation Coordination of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-147 5 (III)Given Parameters One minute power frequency dry withstand voltage (rms) 765 kV: - 960 kV 400 kV: - 650 kV	As per CEA construction guidelines One minute power frequency dry withstand voltage (rms) 765 kV: - 830 kV 400 kV: - 630 kV All Equipment's in transmission sector are being supplied with these parameters. We understand that TSP can consider equipment complying with parameters as per CEA construction guidelines.	The bidder may follow the latest provisions of the CEA construction guidelines. Please refer to **Amendment No 1**.
50	**RfP** B.1.1 Insulation Coordination of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-148	We understand that same creepage is to be considered for all voltage class in one substation. Please clarify for Khandalgaon whether creepage distance of 25 mm/kV or 31 mm/kV is to be considered.	Please refer clarification in Sr.No.45

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	9.0 Given Parameters Minimum creepage distance for switchyard equipment: - 765 kV -31mm/kV 400 kV -31mm/kV 220 kV -25mm/kV		
51	**RfP** B.1.2 Switching scheme of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-149	TSP understand that provided configuration diameter for present and future bays for 765 kV, 400 kV is indicative only. In order to optimum utilization of land TSP may modify the configuration keeping overall scope intact.	The scope of the project mentioned in RfP shall prevail. Bidder may optimize the configuration of diameter without changing the scope of the project mentioned in RfP.
52	**RfP** B.1.2 Switching scheme of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-149	Diameter configuration provided in Rfp for 400 kV switchyard does not cover entire future scope. In case TSP has to comply with the configuration, please provide configurations for all future bays.	Please refer to reply at Sl No 51
53	**RfP** General queries for 765 kV & 400 kV LILO D/C Line.	As per Scope existing PLCC Panels are to be relocated at Khandalgaon for transmission for which LILO at Khandagaon is envisaged, this can't be assessed without knowing make and model of PLCC panels. Please provide make and model for existing PLCC panels of 765 kV Pune III-Satara D/C Line & 400 kV Dabhol-Nagothane D/C Line	The 765 kV Pune III-Satara D/C Line is proposed under ISTS scheme. The details are not available. Please refer **Annexure-2** For details in respect of Nagothane end.
54	**RfP** General Queries of 220 KV Kandalgaon SS Extension	Please confirm availability of Peripheral Unit in case of Distributed Bus bar at 220kV Kandalgaon AIS substation. Also confirm availability of Port in Central Unit for integration of extension Bays.	Please refer **Annexure-1**
55	**RfP** General Queries of 220 KV Kandalgaon SS Extension	Kindly confirm availability of space in existing kiosk for 220 kV Bays at 220 kV Existing Kandalgaon AIS Substation	Please refer **Annexure-1**

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56	**RfP** B1.2.v) Space for 765 kV, 400 kV & 220 kV future line bays shall be kept considering provision of switchable line reactors.	As per practice for 220kV & 132kV Lines Reactors are not generally envisaged, hence we understand that Space provision for future switchable line reactors is to be kept for 765kV & 400kV Lines only. Please confirm	Bidder understanding is correct
57	"Final Offer" shall mean the Quoted Transmission Charges, required to be submitted as part of the Financial Bid on the electronic bidding platform during the e-reverse bidding stage. In case, no Final Offer is received during the e-reverse bidding stage then the lowest "Initial Offer" shall be deemed to be the Final Offer;	Presently, details of L-1 bidder are not displayed on conclusion of e-RA if there is no receipt of counterbids. In case, two bidders have quoted the same L1, they would be under false impression of having L1 tariff of their own and may not offer further competitive offer. In such scenario, e-RA shall end resulting in premature conclusion of e-RA process. It is requested to update the e-RA platform accordingly to reflect the status of L1 bidder under the above scenario.	Refer to reply at Sl No 10
58	**RFP document** **and TSA** **Provisions of RFP** Clause 1.5 …. The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to STU or its successors or an agency as decided by the State Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days after 35 years from COD of project failing which STU shall be entitled to take over the project assets	Query-1 Treatment of tax application at the end of the life of assets. As per section 50C of Income tax act, in case sale consideration received or claimed to be received by seller on sale of land or building or both is less than value adopted by stamp valuation authority (SVA), such value adopted by SVA would become actual sale consideration received or accruing to the seller. Therefore, capital gain would be Valuation as per stamp valuation authority reduced by cost/indexed cost of acquisition. Treatment of Capital tax and applicable TDS to be clarified. Query-2	Definition of Project Assets is amply clear. The insurance proceeds will also be transferred by TSP. All the expenditure till the transfer of all project assets along with substation land, right of way and clearances shall be borne by TSP. Any taxes, stamp duties and liabilities, as may be applicable, has to be borne by the TSP. The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to MSTU or its successors or an agency as decided by the Central Government after 35 years from COD

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	Suo moto. **Provisions of TSA** Definitions: "Project Assets" shall mean all physical and other assets relating to and forming part of the Project	Modality of transfer of assets to be defined. In case only assets to be transferred then application of stamp duty & other taxes and its treatment to be clarified. Query-3 Modalities for O&M, other expenditure etc. for the transition period of 90 days may be confirmed. Availability calculation for the said period? Query-4 There could be delay in receipt of payment against receivables. Further, the TSP might have some pending claims against insurance company. How shall TSP receive these legitimate pending claim or charges after transfer of asset? Query-5 Please confirm that any taxes or charges or cost to be borne by the TSP at the transfer time including sale at value lower than fair value shall be reimbursed to the TSP. These costs are not known at this point of time and might be significant in amount. TSP cannot be exposed such charges. Query-6	of project at zero cost and free from any encumbrance and liability.

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	including: (a) rights over the Site for substations, ROW for transmission lines; (b) tangible & intangible assets such as civil works and equipment including foundations, embankments, pavements, electrical systems, communication systems, relief centres, administrative offices, Substations, software, tower and sub-stations designs etc; (c) project facilities situated on the Site; (d) all rights of the TSP under the project agreements; **(e) financial assets, such as receivables, security deposits etc;** **(f) insurance proceeds; and** (g) Applicable Permits and authorisations relating to or in respect of the Transmission System;" **2.2.2** Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to MSTU or its successors or an agency as decided by the Government of Maharashtra at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which MSTU or its successors or an agency as decided by the Government of Maharashtra shall be entitled to take over the Project Assets Suo moto.	Modalities for O&M, other expenditure etc. for the transition period of 90 days may be confirmed.	
59	**RFP** Clause 2.7.2	The important timelines are mentioned in the table including shortlisting and announcement of Qualified bidder, proposed date of issuance of LoI, transfer of SPV etc. It is observed in the past that in case, there is extension in bid submission date, the revised timelines are not	The important timelines are mentioned in the Clause 2.7.2 of RFP document. Further, in case of any extension in bid submission date, it is understood that the timelines of all the subsequent events are being extended accordingly.

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		being provided regarding issuance of LoI, transfer of SPV etc. Further, in case of delay in shortlisting of qualified bidders, it is requested to provide the updated dates of financial bid opening and date of conduction of e-RA etc., atleast 1 week prior to financial bid opening, to enable bidders to take appropriate action for participation in e-RA It is requested to kindly provide the updated table in case of extension in bid submission date/ delay in shortlisting of qualified bidders.	
60	**RFP** 2.15.3 After the date of acquisition of the equity shareholding of **…. (Insert the name of SPV) …**, along with all its related assets and liabilities, by the Selected Bidder, i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Nodal Agency,	Role of BPC has to be complete. i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Long-Term Transmission Customer, save for those which are related to and consequent to the bidding process adopted by the BPC **Suggested text for the Amendment** i. the authority of the BPC in respect of this Bid Process shall forthwith cease and any actions to be taken thereafter will be undertaken by the Long-Term Transmission Customer, save for those which are related to and consequent to the bidding process adopted by the BPC	As per the RfP, the role of BPC ends with the transfer of SPV to the successful bidder. However, it may be noted that the BPC shall fulfil its responsibility of providing the certification from the Bid Evaluation Committee to enable the TSP to obtain Transmission license and adoption of Transmission charges.
61	**RFP** 2.15.3 d. contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP.	What are the obligations that the BPC has undertaken which needs to be fulfilled by the TSP? **Suggested text for the Amendment** 2.15.3 iv. Contractual obligations undertaken by the BPC shall continue to be fulfilled by the TSP if only such	The provisions of the RfP shall prevail. The details of the contractual obligations (if any) of BPC to be fulfilled by the TSP shall be intimated as per the provisions of RFP.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
		contractual obligations have been made available to the bidders 15 days prior to the bid deadline.	
62	**RFP & TSA** **Provision of RFP** 2.15.4 Within five (5) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the State Commission for grant of Transmission License and make an application to the State Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003 Provision of TSA 3.1.1…….The TSP shall, within five (5) working days from the date of acquisition of SPV by the Selected Bidder, undertake to apply to the State Commission for the grant of Transmission License and for the adoption of tariff as required under section-63 of the Electricity Act …….	Query-1 We request you to consider at least 30 days' time for completion of these activities. Query-2 Definition of working day is not defined in the TSA. Therefore, it is requested to define working day to avoid ambiguity and litigation later on **Suggested text for the Amendment** Within thirty (30) working days of the issue of the acquisition of the SPV by the Successful Bidder, the TSP shall apply to the Commission for grant of Transmission License and make an application to the Commission for the adoption of Transmission Charges, as required under Section – 63 of The Electricity Act 2003	Query-1 This is as per the Standard Bidding Documents. No change is envisaged. Query 2 The definition working day shall be as per Department of Personnel & Training, GoI.
63	**RFP** 2.15.6 If the TSP fails to obtain the Transmission License from the State Commission, it will constitute sufficient grounds for-annulment of award of the Project.	In case TSP fails to obtain the Transmission License the reasons for the same have to be examined. **Suggested text for the Amendment** 2.15.6 If the TSP fails to obtain the Transmission License from the Appropriate Commission, the treatment shall be as per provisions 3.3 of the TSA.	This is as per the Standard Bidding Documents. The provisions of RFP documents shall prevail
64	**RFP** **General**	Kindly confirm:	The Project is classified as Load Serving & RE Pooling Project.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
		whether the Project / Elements are covered under "Generation linked Project" or "System Strengthening Project"	
65	**RFP** **General**	Kindly confirm: Whether the Project/ Elements are eligible for early commissioning incentive as per MoP, GoI order dated 15.07.2015.	No incentive is applicable for said projects &Provision of TSA shall prevail.
66	**RFP & TSA** **General**	In case the Transmission project / elements achieve completion and Interconnection facilities are not ready then i) who shall be liable to pay the transmission charges ? ii) what are the regulations in case of mismatch between the transmission projects/elements and between upstream or downstream?	The provisions of TSA are amply clear and shall prevail
67	**RFP & TSA** **The definition of Contract Year in RFP is as under:** "Contract Year" shall mean the period beginning on the **Scheduled COD**, and ending on the immediately succeeding March 31 and thereafter each period of 12 …: And the definition of Contract Year in TSA is as under: "Contract Year", for the purpose of payment of Transmission Charges, shall mean the period beginning **on the COD**, and ending on the immediately …"	As per RFP, the Contract Year shall start from the Scheduled CoD whereas as per TSA, the Contract Year shall start the CoD. As such, both the definitions are contradictory in nature. It is requested to clarify the correct definition of Contract Year.	The provisions of RFP and TSA are amply clear.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
68	**TSA** Connection Agreement	A draft copy of the Connection Agreement may be furnished. Alternatively, the webpage link may be provided.	The web link is being provided separately.
69	**TSA** "Connection Agreement" shall mean the agreement between the CTU or Maharashtra STU or any other concerned parties and the TSP, setting out the terms relating to the connection of the Project to the Inter-connection Facilities and use of the Inter State Transmission System/ Intra State Transmission System (as the case may be) as per the provisions of the IEGC/ State Grid Code, as the case may be;	It is understood the transmission system is Intra-state, kindly confirm whether the *Inter State Transmission System* as per the provisions of the IEGC shall be applicable for the subject Intra-state Transmission system as well.	The provision of TSA is amply clear in this regard.
70	**TSA** Clause no 2.3: Conditions prior to the expiry of the Transmission License In order to continue the Project beyond the expiry of the Transmission License, the TSP shall be obligated to make an application to the State Commission at least two (2) years before the date of expiry of the Transmission License, seeking the State Commission's approval for the extension of the term of the Transmission License up to the Expiry Date. 2.3.1 The TSP shall timely comply with all the requirements that may be laid down by the State Commission for extension of the term of the Transmission License beyond the initial term of twenty-five (25) years & upto the Expiry Date and the TSP shall keep the Long Term Transmission System User fully informed about the progress on its application for extension of the term of the Transmission License.	There should be a provision in the TSA to cover the revenue loss that may be incurred by the TSP, in the case of the Appropriate Commission not granting extension of the Transmission License beyond the period of 25 years.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply 250
71	**TSA** 3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities **within six (6) months** from the Effective Date (except for c) below), …….. c) To submit to the Nodal Agency & Independent Engineer, the Project Execution Plan, immediately after award of contract(s) and maximum within one hundred and twenty (120) days from the Effective Date.. …. h) **To award the Engineering, Procurement and Construction contract ("EPC contract") for the design and construction of the Project and** shall have given to such Contractor an irrevocable notice to proceed; and	As per clause 3.1.3 (viii), the EPC contracts to be awarded in 6 months. Whereas as per clause 3.1.3 (iii), TSP is required to submit Project Execution Plan after awards of Contracts within 120 days. TSP shall not be in a position to submit project plan within 120 days from effective date if the award of EPC contract is awarded after 120 days, but before 6 months period. As such, the timelines mentioned in above clauses are contradictory and the same may be reviewed.	Section 3.1.3 clearly states that period of 6 months is not applicable to clause (c).
72	**TSA** Clause 3.3.1: If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months…… in accordance with the provisions of this Agreement	**Suggested text for the Amendment** Suggested text to be added at the end of this Article: "…….. The additional Contract Performance Guarantee, if any provided by the TSP for delay in fulfilment of condition subsequent, shall be returned by the STUIL on fulfilment of conditions subsequent by the TSP"	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
73	**TSA** Clause no 3.3.4: In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP,	The terms and conditions for termination of the TSA under this Article, including the termination payment and status of the SPV, need to be provided in the TSA.	This is as per the SBD and amendments thereof, issued by the Ministry of Power and hence, no change is envisaged

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply **251**
	in writing, of at least seven (7) days, with a copy to the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1. … …		
74	**TSA** 3.3.4 …… Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9 11.7 Available Relief for a Force Majeure Event …….. (e) For avoidance of doubt, the TSP acknowledges that for extension of Scheduled COD a period up to one hundred eighty (180) days due to Force Majeure event, no compensation on the grounds such as interest cost,…..	In case project suffers from Force Majeure event for a period less than 6 months, interest cost during construction may be considered.	This is as per the SBD and amendments thereof, issued by the Ministry of Power and hence, no change is envisaged

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75	4.6 Interconnection Facilities: 4.6.1 Subject to the terms and conditions of this Agreement, the TSP shall be responsible for connecting the Project with the interconnection point(s) specified in Schedule 1 of this Agreement. The Interconnection Facilities shall be developed as per the scope of work and responsibilities assigned in Schedule 1 of this Agreement. The Nodal Agency shall be responsible for coordinating to make available the Interconnection Facilities. 4.6.2 In order to remove any doubts, it is made clear that the obligation of the TSP within the scope of the project is to construct the Project as per Schedule-1 of this Agreement and in particular to connect it to the Interconnection Facilities as specified in this Agreement.	It is understood that if interconnection facilities at the interconnection point is not available, whereas TSP has completed rest of the scope of the project, the project shall be considered as deemed COD and TSP shall be entitled to all the benefits envisaged under the TSA.	The provisions of TSA are amply clear and shall prevail
76	**Section-I of RFP and TSA** **6.1 Connection with the Inter-connection Facilities:** 6.1.1 The TSP shall give the Maharashtra SLDC/ RLDC/MSTU/CTU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency. ……	Reference is drawn to the Order of CERC 4/ADP/2016 dated 23.03.2016. Relevant extract of the Order is reproduced hereunder: "In the event the inter-connection facilities are not ready by SCOD or by revised SCOD (as may be revised by the petitioner and the LTTCs for the purpose of availing incentive as per MOP Policy) on account of non-readiness of the upstream or downstream transmission assets while the petitioner`s transmission system is ready for commissioning, the COD of the transmission assets of the petitioner may be declared in accordance with the provisions of Article 6.2 of the TSA (to be known as "deemed COD") and the LTTCs/developers of the upstream and downstream assets shall be liable to pay the transmission charges from the deemed COD till the transmission assets are put into actual use."	This shall be treated as per applicable MERC Regulations/ Orders/ TSA.

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	6.2.1 An Element of the Project shall be declared to have achieved COD twenty four (24) hours following the connection of the Element with the Interconnection Facilities pursuant to Article 6.1 or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP subject to Article 6.1.2. Provided that an Element shall be declared to have achieved COD only after all the Element(s), if any, which are pre-required to have achieved COD as defined in Schedule 2 of this Agreement, have been declared to have achieved their respective COD. 6.2.2 Once any Element of the Project has been declared to have achieved deemed COD as per Article 6.2.1 above, such Element of the Project shall be deemed to have Availability equal to the Target Availability till the actual charging of the Element and to this extent, TSP shall be eligible for the Monthly Transmission Charges applicable for such Element.	From above, it is seen that even in case of SCOD when the systems are declared deemed COD as per Article 6.2 of TSA, till the transmission assets are put into actual use, the transmission charges are liable to be paid by DICs/developers of the upstream and downstream assets. In such situations, it shall be construed that BPC has obtained consent of the DICs/ Upstream / Downstream / Generators (as applicable) for payment of transmission charges. Further, as per CERC order no. 104/MP/2018 dated 18th September 2018, downstream was directed to pay transmission charges to TSP.	
77	**TSA** **Clause 6.3.1 (b)** In case of delay due to Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements, subject to a maximum of Transmission Charges calculated on Target Availability, for the period of such events in	Clause 6.3.1 (ii) covers the loss on debt amount which includes, due to Indirect Non-Natural Force Majeure Event or Natural Force Majeure Event affecting the LTTC, TSP is entitled for payment for debt service which is due under the Financing Agreements. However, any loss on the equity is not covered in the above clause. In order to compensate for the loss due to Indirect Non-Natural Force Majeure Event or Natural Force Majeure Event affecting the Long Term Transmission Customer,	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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	excess of three (3) continuous or non-continuous Months in the manner provided in (c) below.	compensation to both equity as well as debt to be covered as per clause 6.3.1 (a).	
78	**TSA** ARTICLE: 10 BILLING AND PAYMENT OF TRANSMISSION CHARGES Clause no. 10.1: Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the MERC MYT Regulations, from the date on which an Element(s) has achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.	**Suggested text for the Amendment** Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the Sharing Regulations, from the date on which an Element(s) has achieved COD **or deemed to have achieved COD** until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.	The provisions of TSA shall prevail.
79	**TSA** ARTICLE: 10 BILLING AND PAYMENT OF TRANSMISSION CHARGES 10.2 The Monthly Transmission Charges for each Contract Year including Incentive & Penalty payment shall be calculated in accordance with the provisions of Schedule 4 of this Agreement . 10.3 Rebate & Late Payment Surcharge: The rebate and late payment surcharge shall be governed as per MERC MYT Regulations.	As per Schedule 4 of TSA, calculation for Monthly Transmission charges including incentive or penalty has been illustrated. It is understood that clause 10.2 is the governing agreement regarding availability and incentive. Kindly confirm the same As per MERC (MYT Regulations), it is understood from the clause that rebate is limited to only 1%. Kindly confirm the same.	The provisions of TSA shall prevail.
80	**TSA** ARTICLE: 10 BILLING AND PAYMENT OF TRANSMISSION CHARGES 10.4 Any Disputed Bill, Default in payment by the LTTUs & Annual Reconciliation shall be governed as per MERC MYT Regulations and Transmission Pricing Framework in the State of Maharashtra	Article 10 i.e., Billing and payment of transmission charges is silent on parameters inter-alia **Payment Security Mechanism & Establishment of Letter of Credit.** In case of default in payment by LTTSU to TSP, kindly provide the detailed clauses Article 10 explicitly stating the parameters viz. **Payment Security Mechanism &**	As per provisions of MERC MYT Regulations, 2024, STU raises monthly bill for Intra-State Transmission Charges on every Transmission System User (TSU) and all TSUs are making payment of Transmission Tariff to STU.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply 255
		Establishment of Letter of Credit as generally being mentioned for Intra-state projects in Madhya Pradesh, Odisha etc.	Upon receipt of payment from TSUs, STU makes the payment to Transmission Licensees on monthly basis. Further, as per the provisions of MERC Regulations, TSUs provide Letter of Credit to STU for 2 months estimated billing. MERC in its Order dated 28 March, 2025 in Case No. 208 of 2024 has opined as follows: "The Commission directs the STU to submit the details of the schemes proposed under TBCB along with likely CODs and the ARR discovered through competitive bidding as and when it undertakes the bidding. The Commission would process the proposals submitted by STU for redetermination of Transmission Tariff for the remaining years of the 5th Control Period as per the provision of the Regulation 75.1 of MYT Regulations, 2024." As the payment to TSP will be made by STU to TSP in accordance with MERC MYT Regulation, 2024, Long Term Transmission System Users cannot provide LC to TSP.
81	**TSA** 11.4 Force Majeure Exclusions 11.4.1 (g) Any error or omission in the survey report provided by BPC during the bidding process.	The survey report furnished by BPC has to be accurate and any error or omission has to be owned by the BPC. Professional fees including fees for survey report is also claimed by BPC.	As per the provisions of RFP, BPC prepares the Survey Report and furnish the same to bidders. Bidders may note that the survey report prepared based on preliminary walk over survey and shared with bidders

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			as reference only. Further, Bidders are advised to inform themselves fully as per clause 2.5.2 of RfP.
82	**TSA** Clause 12.1.1 Change in Law means the occurrence of any of the following **after the Bid Deadline** resulting into any additional recurring / non-recurring expenditure by the TSP or any savings of the TSP….	It is mentioned that in case any change in law event occurs on bid submission date or just prior to bid submission date, the bidders shall not have adequate time to understand the cost implication of such change in law event. Bidders cannot be exposed to such uncertainties and thereafter it is requested to consider any event **after 7 days prior to bid deadline as Change in Law event.** Furthermore, the bid submission is fixed at 12 noon. Whereas change in event could happen during the day even after 12 noon. Such clause can have serious implications on the viability of the project.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
83	**TSA** 12.1.2 Notwithstanding anything contained in this Agreement, Change in Law shall not cover any change: a. Taxes on corporate income; and; Withholding tax on income or dividends distributed to the shareholders of the TSP.	Any tax applied on the income or profits of the TSP need to be covered under change in law.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail. Further, please refer Clause 2.5.7 of RFP
84	**TSA** **Clause 13.7** If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets .	Kindly furnish the methodology of calculation of valuation of project asset.	Valuation of project assets shall be done as per the prevailing industry practices. Further, please refer Clause 18.2.e. of TSA

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply 257
85	**RfP** Clause 2.1.2 "Experience of development of projects in the Infrastructure Sector in the last five (5) years with aggregate capital expenditure of not less than Rs……. Crore or equivalent USD (calculated as per provisions in Clause 3.4.1). However, the capital expenditure of each project shall not be less than Rs…… Crore or equivalent USD (calculated as per provisions in Clause 3.4.1). For this purpose, capital expenditure incurred on projects that have been commissioned/ completed at least seven (7) days prior to Bid Deadline shall be considered. The capital expenditure discussed above shall be as capitalized and reflected in the audited books of accounts of the Technically Evaluated Entity…..".	As per QR, the capital expenditure under reference shall be as capitalised and reflected in the audited books of accounts of Technically Evaluated Entity. In above regard, please clarify the following: Whether entire capital expenditure of various Project(s), meeting the value-wise threshold requirements of QR, as capitalised in last five years in the audited books of accounts of Technically Evaluated Entity, shall be considered. OR Whether only the capital expenditure incurred in the last five years of such Project(s), capitalised in last five years in the audited books of accounts of Technically Evaluated Entity, shall be considered.	The provisions of RFP are amply clear and shall prevail.
86	**RfP** Clause 2.11 2.11.1 Each Bidder shall submit the Bid accompanied by Bid Bond issued by any of the Banks listed in Annexure-17. The Bid Bond shall be valid for a period of thirty (30) days beyond the validity of the Bid.	Verification of issued bid bond is done by the beneficiary bank of the BPC through SFMS platform from the issuing bank of the bidder. In above regard, BPC is requested to provide following details. - Bank account detail of beneficiary along with IFSC code and Branch address Unique Identifier of the beneficiary (if applicable) (The unique identifier needs to be incorporated by the issuing bank in Field 7037 of the IFIN 760 COV/IFIN COV while	Please refer to the details mentioned in Clause 2.10.1 in this regard.

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		transmitting verification messages to the Beneficiary Bank through SFMS).	
87	**RfP** Annexure 14 (Format of the Bid Bond) Addressee details are not mentioned in the beginning of the format Annexure 14 (Format of the Bid Bond) "….In consideration of the……"	Addressee details to whom Bid Bond is to be addressed are not mentioned in the Bid Bond Format. It is requested to mention the followings at starting of the format: Annexure 14 (Format of the Bid Bond) ***" To,*** ***Designation of officer*** ***Name of BPC*** ***Address of BPC*** In consideration of the…… "	Please refer to the details mentioned in Clause 2.14 of RfP in this regard.
88	**RfP** Clause 1.6.2.2 – The details and documents as may be obtained by the BPC/ project specific SPV in relation to the Project shall be handed over to the TSP on an as-is-where-is basis, so that it may take further actions to obtain **Consents, Clearances and Permits**	BPC to get the **GST registration and GST TAN** registration in the name of SPV in the State of Project execution where supply of Goods and Services shall take place.	Presently, the GST registration of the SPV was not being done by the BPC as there is no income of SPV and are in compliance to GST laws.
89	**SPA** Clause 1.2 (i) "Acquisition Price" shall mean INR _____ (Rupees _____ only) [Insert the value of the Acquisition Price, both in figures and in words respectively], which is the aggregate consideration payable by the Selected Bidder towards purchase of the Sale Shares at par along with assets and liabilities of the Company	As per clause 1.2 (i) of the Share Purchase agreement, BPC is required to provide audited financial statement as on the closing date for adjustment, if any, in regard to aggregate consideration for acquisition of the SPV. It is requested to BPC to furnish **audited financial statement within 15 days** of the closing date.	Audited Financial Statements shall be furnished post completion of audit by the auditors

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	as on the Closing Date subject to adjustment as per the **audited accounts of the Company** as on the Closing Date;		
90	**RfP** ANNEXURE 3 - FORMAT FOR EVIDENCE OF AUTHORIZED SIGNATORY'S AUTHORITY …Know all men by these presents, We ……(**name and address of the registered office of the Bidder**…	As per the format of Power of Attorney, the bidder is required to mention the name and registered office of the bidder. In case corporate office of the bidder is in different state than that of its registered office, can the bidder execute the Power of Attorney in the state of its corporate office?	PoA will be given on stamp paper of the State where the person is executing it and getting it notarised. Since corporate office is generally the functional office of the company, Bidder can execute the PoA in the state of its corporate office if that is the seat of the Principal executing the PoA
91	RfP Clause No. 2.5, Section – II of RFP Documents 2.5 The Bidding Process … … … The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by **30 minutes** from the last received bid time, if the bid is received during the last **30 minutes** of the scheduled or extended bid time. Subsequently, it will be extended again by **30 minutes** from the latest received bid time. … … …	**Suggested text for the Amendment** 2.5 The Bidding Process …. …. The initial period for conducting the e-reverse bidding should be 2 hours which will be extended by **15 minutes** from the last received bid time, if the bid is received during the last **15minutes** of the scheduled or extended bid time. Subsequently, it will be extended again by **15 minutes** from the latest received bid time. In case e-Reverse Bidding is not completed by 20:00 Hrs (IST), then the e-Reverse Bidding shall be paused and will resume on the next working day at 10:00 Hrs (IST). The prevailing L1 bidder at the time of pause on the previous day shall continue to be the L1 bidder at resumption of e-Reverse Auction. On resuming, the e-Reverse Bidding shall conducted for 60 minutes, which will be extended by 15 minutes from the last received bid time, if the bid is received during the last 15minutes. Subsequently, it will be extended again by 15 minutes from the latest received bid time.	This is as per the Standard Bidding Documents. No change envisaged.

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		The above shall continue till the e-Reverse Bidding gets concluded. …. ….	
92	1.5 The objective of the bidding process is to select a Successful Bidder pursuant to this RFP, who shall acquire one hundred percent (100%) of the equity shares of ……. (Insert the name of SPV), along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement, at the Acquisition Price to be intimated by the BPC, twenty (20) days prior to the Bid Deadline.	RfP bid submission shall be scheduled accordingly.	Noted.
93	**RfP** **2.3 Clarifications and Pre-Bid Meeting** **2.3.1** The Bidders may seek clarifications or suggest amendments to the RFP by sending an email to the BPC at the email id indicated in Clause 2.14 within the date and time mentioned in Clause 2.7.2. For any such clarifications or amendments, the Bidders should adhere to the format as per Annexure – 19.	The response for clarifications sought by prospective bidders shall be provided at least 2 weeks prior to bid deadline, so that price implications, if any, can be accounted for in the RfP bid.	This would be applicable to the clarifications sought by bidders within two weeks from the Pre-bid meeting.
94	**RfP** **2.5 The Bidding Process** The entire bidding process shall be conducted on electronic bidding platform created by **MSTC Limited**…	The event of Bid Submission shall be kept live on the MSTC portal at least 1 week prior to bid deadline.	Agreed
95	**TSA** 1.3 SLDC Fee & Charges	It is understood from MERC, MYT Regulations that SLDC charges & fee are to be payable by the LTTSUs and the TSP is not required to pay any fee & charges.	Payment of SLDC fees and charges as per relevant Regulations of MERC, if applicable shall be borne by TSP.

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<table>
<tr><th>Sl. No</th><th>Name of the Document
Clause No. and Existing provision</th><th>Clarification required /
Suggested text for the amendment</th><th>Reply</th></tr>
<tr><td></td><td>The payment of SLDC fee & charges, in accordance with relevant regulations of MERC, shall be the responsibility of the TSP.</td><td>In case of requirement of SLDC fee & charges, then kindly provided the SLDC fee & charges to be paid by TSP to SLDC.</td><td></td></tr>
<tr><td>96</td><td>RfP
ANNEXURE 8 -UNDERTAKING AND DETAILS OF EQUITY INVESTMENT
…. We confirm that our Bid meets the Scheduled COD of each transmission Element and the Project as specified below:
<table><tr><th>Name of the Transmission Element</th><th>Scheduled COD</th></tr><tr><td>Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level ….</td><td rowspan="4">24 MONTHS</td></tr><tr><td>LILO on 765 kV D/C line from Satara(Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon</td></tr><tr><td>LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon</td></tr><tr><td>220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)</td></tr></table>……</td><td>Kindly provide the element wise break up for determining the transmission charges based on availability.</td><td>All the elements of the scheme are required to be commissioned simultaneously.</td></tr>
<tr><td>97</td><td>RfP
….The TSP will be required to establish the following Intra State Transmission System for “Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)” .. … ….</td><td><u>Space for 220 kV line bays at 220 kV AIS Kandalgaon (Existing):</u>
• Whether the space shall be provided on “free of cost basis” or “on lease basis”.</td><td>No charge is envisaged for the available land for construction of 220 kV line bays at 220 kV Kandalgaon (Existing).</td></tr>
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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	Name of the Transmission Element / **Scheduled COD** Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level …. LILO on 765 kV D/C line from Satara(Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon — 24 MONTHS LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) *Note-* *Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations)* a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing) In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters	• In case Space is provide 'on lease basis', what will be charges? • In case Space is provide 'on lease basis', what will be terms & condition of lease agreement? • The space at 220 kV line bays at 220 kV AIS Kandalgaon (Existing) will be provided to TSP on an 'as-is, where-is' basis or if the land will be levelled prior to transfer. • What is the timeline for handling over of land for construction? In case no clarity is provided, it is presumed that TSP shall be deemed to have completed its scope of works on the SCODs for other elements and shall be entitled to receive transmission charges in case the land for bay extension works for (220 kV line bays at 220 kV AIS Kandalgaon (Existing) is not provided within 3 (three) months of acquisition of subject project SPV by the successful bidder.	The land would be provided to the successful bidder on 'as-is, where-is' basis Regarding, timeline for handing over of land for construction, TSP to coordinate with existing utility.
98	**RfP** ….The TSP will be required to establish the following Intra State Transmission System for " Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" .. … ….	Kindly confirm whether O&M of 220 kV Kandalgaon (Existing) are in the scope of TSP. However, in case O&M is to be carried out by the existing owner on behalf of TSP, it is understood that TSP shall be liable to pay O&M Charges as per CEA guideline issued	The details are attached at **Annexure-A.** The O&M of bays at existing sub-stations will be carried out by existing owner on behalf of TSP.

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<table>
<tr><th>Sl. No</th><th>Name of the Document
Clause No. and Existing provision</th><th>Clarification required /
Suggested text for the amendment</th><th>Reply</th></tr>
<tr><td></td><td>
<table>
<tr><th>Name of the Transmission Element</th><th>Scheduled COD</th></tr>
<tr><td>Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level ….</td><td rowspan="4">24 MONTHS</td></tr>
<tr><td>LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon</td></tr>
<tr><td>LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon</td></tr>
<tr><td>220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)</td></tr>
</table>

Note-
Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations)

a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing)
In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters</td><td>on 22/06/2023 in line with prevailing practice in ISTS TBCB projects. Kindly confirm.</td><td>O&M charges shall be applicable as per the provisions under the MERC MYT Regulations 2024 and as amended from time to time. Please refer MERC Order dated 28.03.2025 in Case No. 178 of 2024.</td></tr>
<tr><td>99</td><td>RfP
….The TSP will be required to establish the following Intra State Transmission System for “ Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)” .. … ….</td><td>As per the provisions of RfP, Space for 220 kV line bays at 220 kV AIS Kandalgaon (Existing) shall be provided by existing/ proposed utility.
However, in case of land constraints TSP may opt for GIS bays / Acquire suitable land adjacent to the substations)</td><td>Space for construction of 02 nos of 220 kV AIS bays is available at 220 kV (existing) kandalgaon Substation.

Bidder may confirm the same by visiting substation.</td></tr>
</table>

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	Name of the Transmission Element / **Scheduled COD** Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level …. LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon — 24 MONTHS LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) *Note-* *Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations)* a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing) In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters	Considering the uncertainty about the availability of land and uncertainty in scope of work, i.e, construction of AIS/GIS bays at Kandalgaon (Existing), it will be very difficult to firm up the price for preparation of RfP bid. The same will also create undue advantage to some participants. In order to ensure level playing field for all the bidders, following may be clarified: (i) Based on availability of land area identified for bay extension works at Kandalgaon (Existing), the type of bays AIS or GIS shall be clearly defined in the scope of work. In case of GIS, technical specifications etc. may also be issued.	
100	**RfP Document ANNEXURE-C** **SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE**	The subject line is passing within 60kms of the **west coast**. As per **RFP** it is understood that wherever, transmission lines are passing through areas up to **60 km from coast**, provisions of cyclone prone areas & creek regions/ aggressive soil areas shall be considered.	The provisions of RfP shall prevail

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		However, as per Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, following is mentioned:- • Clause 4(e): For design of transmission line structures in eastern coast and Gujarat coast upto 60 km from sea coast, importance factor for cyclonic region i.e. K4 factor of 1.3 shall be considered to take care of cyclonic wind condition. • Clause 4 (l) The fabricated tower or pole parts and stubs of transmission lines passing upto 20 km from through coastal / creek regions shall have following minimum mass and thickness of zinc coating (Table 19). From aforesaid **CEA guidelines**, however, it appears that provision of K4 factor pertaining to cyclone prone areas is applicable for only **eastern coast of India and Gujarat coast and not for the western coast**. Also, above provisions of **zinc coating** pertaining to creek regions/ aggressive soil areas shall be applicable **upto 20 km** from coastal boundary. May kindly clarify.	
101	**Survey Report**	LILO of 765 kV Pune (Proposed)-Satara (Proposed) Line. BPC route has not considered Gas Pipe line between AP 4 AP 5 (Loop Out) and AP (Loop In AP 124 - 125). BPC may accordingly revise the survey report	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.
102	**Survey Report**	The buffer for Koyna wildlife sanctuary is not matching with layer shown in Gati shakti/Parivesh portal/notification. The actual boundary of the wildlife sanctuary may be shown in the survey report.	Please refer the revised survey report.
103	**Survey Report**	As per survey report , Bee Line of 765 kV Pune (Proposed)-Satara (Proposed) has been shown to indicate tapping point. The proposed route for the 765 kV Pune (Proposed)-Satara (Proposed) line is not available in KM and it is	The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is to be proposed under ISTS.

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		understood the line is in a separate scheme yet to be awarded. It is understood that in case of change in the tapping point as per the actual route of Pune-Satara. the bidder shall be compensated against change in law provision.	The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.
104	**Survey Report**	LILO of 765 kV Pune (Proposed)-Satara (Proposed) Line. BPC route is infringing Pune Bangalore Expressway between AP 120-AP 121 (Loop Out) Also,BPC route is passing across Pune Banglore Expressway between AP 4-AP 5.(Loop In) and crossing angle is not maintained. BPC may accordingly revise the survey report	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.
105	**Survey Report**	LILO of 765 kV Pune (Proposed)-Satara (Proposed) Line. BPC route is passing through Pumped storage plant on Kal River between AP 93-96(Loop In) & AP 37-AP38(Loop Out). It is apprehended that the area would get submerged affecting the alignment. The route may therefore be revised for avoiding submergence area. Please clarify	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.
106	**Survey Report**	LILO of 765 kV Pune (Proposed)-Satara (Proposed) Line. BPC route is passing through Western Ghat ESA in between AP 10-48(Loop In) & AP 84 -118(Loop Out). Please clarify whether BPC has initiated / obtained permission for constructing the line across the ESA of the Western Ghat.	BPC will initiate request for clearance/permission/approval with competent authority for proposed routes across the Ecological Sensitive Areas (ESA) of the Western Ghat in due course of time.
107	**Survey Report**	LILO of 765 kV Pune (Proposed)-Satara (Proposed) Line. BPC route between AP 41-AP 49 (Loop Out) And between AP 91-AP 96.(Loop In) is passing through extreme mountainous terrain in which the construction may not feasible. Therefore, it is requested to revise the survey report. The route may therefore be revised for avoiding the inaccessible steep mountainous terrain	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.

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108	**RfP** **A.8.0** The required phase to phase spacing and horizontal spacing for 765 kV and 400 kV line shall be governed by the tower design as well as minimum live metal clearances for 765 kV and 400 kV voltage level under different insulator swing angles. However, the phase to phase spacing for 765kV line shall not be less than 15 m and for 400 kV line shall not be less than 8 m.	Phase to Phase Spacing is mentioned for 765kV and 400kV lines only in RFP. As per clause 7.3.1 of IS 5613 Part 2/ Sec1, minimum phase to phase spacing for 220kV line is mentioned as 4.9m. Hence it is understood that bidder can consider minimum phase to phase spacing for 220kV as per the IS 5613.	The minimum phase to phase distance for 220 kV line shall not be less than 5.0 m. Please refer to **Amendment No 1**.
109	**RfP** **Clause A.7.0** Conductor bundle for 220kV D/C transmission lines.	Since conductor bundle for 220 kV line is not provided, it is assumed that Single conductor shall be used. BPC to clarify	Bidders understanding is correct.
110	**RfP** Specific Technical Requirements for Transmission Line	For transmission line, no special requirement is specified for type of Insulator and creepage in RFP document. Hence it is understood that bidder can decide the type of insulator along with creepage requirement based on general CEA regulations and relevant standards. Kindly confirm.	Bidders understanding is correct.
111	**RfP** Annexure -18 Grid Map of Project	Provided Grid map in the RFP doesn't contain entire present scope of work. BPC is requested to amend the same.	Provided map contained complete present scope of project. please Refer **Annexure-B** Further, refer RFP for the same
112	**RfP** Clause B.1.1 Insulation Coordination	BPC is requested to provide insulation co-ordination data for 220 kV Kandalgaon (Existing).	Bidders requested to visit the existing 220 kV kandalgaon substation and obtain the same.
113	**RfP** Clause B.1.1 Insulation Coordination 9. Minimum creepage distance for switchyard equipment	As per RFP, Creepage Distance Of 220kv Equipment is mentioned as 25mm/kv whereas for 400kv it is given as 31mm/kv. We understand that for 220kV also 31mm/kv shall be considered.	Refer to Reply at Sl No 45

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114	**RfP** Clause B.1.2 Switching Scheme	BPC is requested to provide Switching Scheme for 220KV Kandalgaon (Existing).	Please refer **Annexure-1**
115	**RfP** Clause B.1.2 Switching Scheme iv) Connection arrangement of Switchable Line reactors should be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement. Clause 1.2 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit)	We understand that for the 80MVAR single phase reactor to be utilised for future line reactor, single phase breaker to be considered. However, as per RFP clause 1.2, as there are no 765kV SLR envisaged for future lines, bidder need not consider 1ph breaker for the reactor. Please confirm.	Bidder has to make provision for single phase breaker for the spare single phase reactor Scope of RFP shall prevail.
116	**RfP** Clause 1.2 220 kV line bays at 220 kV Kandalgaon (Existing) – 02 Nos	BPC is requested to share the following inputs for the extension work at 220 kV Kandalgaon (existing): 1. Availability of space in existing Control room 2. Availability of spare feeders in ACDB and DCDB 3. Availability of space in existing cable trench for extension work 4. Make and model of Busbar protection 5. Make and model of SAS and VMS 6. Availability of CU and PU for the bays under present scope of extension work. 7. Sufficiency of existing battery, battery charger and LT transformer capacity for extension work 8. Space in existing cable trench 9. Contact details of SS owner for acquiring details and drawings during project engineering.	Please refer **Annexure-1** Further, the bidder is requested to visit the substation site and ascertain themselves in co-ordination with the owner. Please also refer 2.5.7 of RFP.

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117	**RfP** Clause 1.2 220 kV line bays at 220 kV Kandalgaon (Existing) – 02 Nos	BPC is requested to share the following drawings/documents for extension work at 220 kV Kandalgaon (existing): 1. GA and SLD of the existing SS with scope of work clearly marked on it. 2. Soil investigation report 3. Cable trench layout 4. Earthmat layout Coordinates of take-off gantry	The tentative Coordinates of take-off gantry has been provided in the survey report. Please refer **Annexure-1**
118	**RfP** Clause 1.2 220 kV line bays at 220 kV Kandalgaon (Existing) - 02Nos	Bidder understands that the TSP needs to follow RFP requirements only. TSP is not to follow any requirements based on SS owners standard outside RFP requirement. Please confirm.	The provisions of RfP shall prevail.
119	**RfP** Clause 1.2 220 kV line bays at 220 kV Kandalgaon (Existing) - 02Nos	We understand that the space for present scope of work at 220KV Kandalgaon (Existing) as mentioned in the notes shall be provided to the TSP free of cost. Please confirm.	Refer to reply at Sl No 42
120	**RfP** Clause 1.2 LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Under Construction) at 765 kV AIS Kandalgaon	BPC is requested to share the Timeline for the commissioning of the Proposed Satara to Pune-III 765kv D/C Line and clarify whether the tapping location indicated in the survey report for the LILO of the Satara (Proposed)–Pune-III line has been finalized. If the tapping point is still provisional, kindly furnish the confirmed/fixed tapping coordinates at the earliest, as the Satara project is currently under the bidding stage.	The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS. The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.
121	**RfP** Clause 1.2 LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Under Construction) at 765 kV AIS Kandalgaon	BPC is requested to share the following drawings/documents for LILO at 765 kV AIS Kandalgaon: FOTE Details is required along with make and model of Analog and Digital PLCC of 400 kV D/C line from Satara to PUNE-III.	Please refer to reply at SL no 120
122	**RfP**	BPC is requested to share the following drawings/documents for LILO at 765 kV AIS Kandalgaon:	Please refer **Annexure-2**

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	Clause 1.2 LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	FOTE Details is required along with make and model of Analog and Digital PLCC of 400 kV D/C line from Dabhol to Nagothane.	
123	**RfP** Clause 1.2 LILO on 400 kV D/C line from Satara to PUNE-III at 765 kV AIS Kandalgaon	BPC is requested to confirm the existence of OPGW in the Proposed Satara to PUNE-III 765kV D/C line and also share the make and model of OPGW equipment.	Please refer to reply at SL no 120
124	**RfP** Clause 1.2 LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	BPC is requested to confirm the existence of OPGW in the existing Dabhol to Nagothane 400kV D/C line and also share the make and model of OPGW equipment.	Please refer **Annexure-2**
125	**RfP** Clause 1.2 LILO on 400 kV D/C line from Satara to PUNE-III at 765 kV AIS Kandalgaon	Tapping (LILO) point on the 400 kV D/C Dabhol–Nagothane line at 765 kV AIS Kandalgaon is fixed or Bidder can be changed.	The tapping point location shown in the survey report is tentative and bidder may change it to optimize the transmission route/scheme in coordination with the line owner
126	**TSA** Note: 1. Space shall be provided by Transmission Utility for (In case of land constraints TSP may opt for GIS bays /acquire suitable land for the extension of the work at existing substations) a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing)	BPC is requested to confirm the followings : Whether this space/land will be provided without any cost to the Selected Bidder? What is the timeline for providing this space?	Please refer to reply at Sl no 42
127	**TSA** Clause 5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its	BPC to clarify, what are the determining factors/criteria for deciding the unsuitability of site and transmission line route?	The substation location and the proposed Transmission lines routes are indicative and as per clause no. 2.5.7 of RFP, Bidders needs to familarise themselves with the site

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	obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).	BPC to clarify that in case of unsuitability of the spaces that are provided for the scope of work, who shall be held responsible?	conditions and conduct their due – diligence before submitting the bids. Further, bidders may select different substation location and route for the transmission lines as per the provisions of RFP. The provisions of TSA are amply clear
128	**TSA** Clause 5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.	As a general practice, the CERC considers any request for extension of time post COD of the Project. BPC to clarify that whether the 10% of CPBG will be invoked even when such delay is caused due to FM events and without adjudication on the validity of such claims?	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
129	**TSA** Clause 2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to MSTU or its successors or an agency as decided by the Government of Maharashtra at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which MSTU or its successors or an agency as decided by the Government of Maharashtra shall be entitled to take over the Project Assets Suo moto	BPC to clarify the following: a. Who will be responsible for O&M of the Project post Expiry Date till the Project is transferred as the Agreement will automatically terminate on Expiry Date? Whether the TSP will be paid for the O&M for the period post Expiry Date till the Project is transferred if the TSP will manage the O&M post Expiry Date?	The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to MSTU or its successors or an agency as decided by the Maharashtra State Government after 35 years from COD of project at zero cost and free from any encumbrance and liability. The transfer of all project assets along with substation land, right of way and clearances shall be completed at the end of 35 years from COD of the Project. All the expenditure till the transfer of all project as-sets along with substation land, right of way and clearances shall be borne by TSP.
130	**TSA** Clauses 4.1(f) and 4.2.1(e)	BPC to provide the definition of Arbitrators used as defined term	The provisions of TSA shall prevail.

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<tr><td></td><td>These clauses provide assistance by TSP to the Arbitrators as required for the performance of their duties and responsibilities.</td><td></td><td></td></tr>
<tr><td>131</td><td>TSA & SPA
Execution of the TSA and SPA.</td><td>As per the provisions of the Indian Stamp Act, the execution of the Share Purchase Agreement (‘SPA’) and the Transmission Service Agreement (‘TSA’) should be made on the stamp papers of INR 1200 and INR 500 respectively. The relevant provisions of the Indian Stamp Act are provided below:
<table>
<tr><th>SN.</th><th>Document</th><th>Stamp Paper for Execution (in INR)</th><th>Indian Stamp Act, 1899 (‘Act’) read with Delhi Schedule 1A (‘Schedule’)</th></tr>
<tr><td>1.</td><td>Share Purchase Agreement</td><td>1200</td><td>Section 5 of Act read with (i) Item no. 5(b) of Schedule- sale of shares in an incorporated company: Rs. 1000/-, (ii) Item 5(c) Arbitration: Rs. 50/-, (iii) Item No. 34 Indemnity: Rs. 100/-.</td></tr>
<tr><td>2.</td><td>Transmission Service Agreement</td><td>500</td><td>Section 5 of Act read with (i) Item 5(c), agreement (other): Rs. 50/-, (ii) Item No. 37, guarantee: Rs. 50/-, (iii) Item No. 34, indemnity: Rs. 100/-, and others.</td></tr>
</table>
BPC to confirm the amount of stamp papers on which the execution of the SPA and TSA will be executed.</td><td>Refer to reply at Sl no 6</td></tr>
</table>

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132	**RfP** RFP, Clause 1.6. Clause no. 1.6.1.5 – **Scope of Transmission Service Provider** The TSP shall seek approval under Section 164 of Electricity Act, from Government of Maharashtra after acquisition of (Insert the name of SPV), The approval shall be granted by Government of Maharashtra.	We request BPC to confirm the timelines within which the Government of Maharashtra shall grant the section 164 to the TSP. Further, in case of delay in grant of section 164 approval beyond the specified days by Government of Maharashtra, will this qualify as Force Majeure (FM) event under TSA, and we can get relief as per TSA.	Bidders need to familarise themselves with the relevant guidelines/regulations. Bidder may refer to clause no 2.5.7 of RfP.
133	**RfP** Section-2, clause no. 2.6. Project Schedule Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project & TSA: Schedule-4 Computation of Transmission Charges	Please note that there are 4 nos. of Transmission elements in the subject project. We understand that all elements of the scheme are required to be commissioned simultaneously as their utilization is dependent on each other and hence considering the same percentage of quoted transmission charges are clubbed and mentioned as single percentage (100%) for all these elements. BPC will appreciate that during Operation of the of the asset, if any outages happen to any element/elements of said asset or any scenarios occurs which are illustrated in schedule-4 of TSA then it will be difficult to compute payment of Transmission Charges under various scenarios based on the availability of each element. In view of the above, BPC is requested to provide break-up of each element.	The provisions of RfP and TSA shall prevail.
134	**TSA** Clause 5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason	BPC to clarify, what are the determining factors/criteria for deciding the unsuitability of site and transmission line route?	Please refer to reply at Sl no. 127

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	of the unsuitability of the Site or Transmission Line route(s).	BPC to clarify that in case of unsuitability of the spaces that are provided by the existing TSP for the scope of work, who shall be held responsible?	
135	**RfP** Request for Proposal Notification, Disclaimer This RFP may be withdrawn or cancelled by the BPC at any time without assigning any reasons thereof. BPC further reserves the right, at its complete discretion to reject any or all of the Bids without assigning any reasons whatsoever."	We would like to mention that it will be unreasonable on the part of BPC to reject a bid without assigning any reason. Since the BPC can be construed as 'state' under the Constitution, conduct of BPC ought to be transparent and as such BPC cannot take any decision without assigning proper reason/ justification.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.
136	**RfP** Definition: Conflict of Interest" A Bidder shall be considered to be in a Conflict of Interest with one or more Bidders in the same bidding process if they have a relationship with each other, directly or through a common company, that puts them in a position to have access to information about or influence the Bid of another Bidder	It needs to be noted that this definition is vague and wide in as much as it only requires that an entity is able to have access; it is immaterial whether information was accessed or not, just the fact that a party is in a position to access information or influence bid of another party is enough. As far as this aspect is concerned, this definition should be amended. This should further cover any conflict-of-interest situation between the BPC and any of the bidder.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.
137	**RfP** Annexure-B, Clause 3.3 provides that "the Bidder shall disclose the name and address of agents and representatives, and Indian Bidder shall disclose their foreign principals or associates". Clause 3.4 states that "the Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid".	BPC is requested to clarify the rationale for having this clause? We understand that The Bidder is free to engage any consultant as long as it is under the purview of applicable law.	This is as per the Standard Bidding Documents. The provisions of RFP shall prevail.

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138	**TSA** ARTICLE: 11 Clause no. 11.4.1 …… (g) Any error or omission in the survey report provided by BPC during the bidding process	We request BPC to remove the point no g form the Force Majeure Exclusions.	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.
139	**TSA** ARTICLE: 13 Clause no.13.7 Termination Payment - If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Long Term Transmission System User's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Long Term Transmission System Users shall take over the Project Assets..	As there is no mechanism for termination payment. We request BPC to provide the mechanism for compensating the cost incurred by the TSP for construction of asset, in case of non-requirement of any element during construction stage.	Bidder is requested to ask questions relevant to the present scheme. The provisions of TSA shall prevail.
140	**TSA** ARTICLE: 3 Clause No. 3.3.4 Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.	What is the rationale for only IDC recovery and no other expenditure like project cost overrun (such as overheads & price variation etc.)	This is as per the Standard Bidding Documents. The provisions of TSA shall prevail.

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141	**TSA** ARTICLE: 8 8.2 Target availability The Target Availability of each Element and the Project shall be 98%.	As per previous TSA, target availability was at project level not for each element. We request BPC to maintain target availability at Project level only.	Bidder shall follow the requirement of RfP and TSA
142	**TSA** ARTICLE: 12 Payment on account of Change in Law 12.4.1 The payment for Change in Law shall be through a separate Bill. However, in case of any change in Monthly Transmission Charges by reason of Change in Law, as determined in accordance with this Agreement, the Bills to be raised by the Nodal Agency after such change in Transmission Charges shall appropriately reflect the changed Monthly Transmission Charges.	BPC is requested to provide the format and timeline for submission of sperate bill of sperate bill for settlement of CIL events?	Provisions of TSA are amply clear in this regard and shall prevail
143	**TSA** Schedule 9 Methodology for determining the Relief Under Force Majeure Event & Change in Law during Construction Period. The relief in the form of revision in tariff due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under: ΔT = [(P x d)]÷[1-(1+ d)^(-n)]	What is the rationale for the increase in Transmission Charges as stated above shall be applicable only if the value of increase in Transmission Charges as calculated above exceeds 0.30% (zero-point three percent) of the quoted Transmission Charges of the TSP.	This is as per SBDs issued by MOP
144	**RfP** ANNEXURE 22 – FORMAT FOR AFFIDAVIT	We would like to mention that with reference to the RFP Clause 2.1.9 Bidders shall confirm a notarized affidavit as per Annexure 22. Please note for large conglomerates signing on behalf of all the affiliates can run into hundreds of numbers and different geographies, is practically impossible.	The declaration and details with respect to Clause 2.1.9 of RFP is to be provided by the bidding company including Affiliate / Parent company of the Bidding company being used for meeting financial/technical qualification requirements as per Annexure 22 of the RFP document

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		We request you to allow Annexure-22 to be signed by the Authorized signatory of the Bidding company on behalf of Bidding entity only.	
145	**RfP** Annexure no. 15- format for Contract Performance Guarantee/ Last Para Notwithstanding anything ……. (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by…… [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV].	Kindly note that the Government banks are not issuing the contract Performance Guarantee. We request BPC to modify the last Para of the Performance Guarantee format as highlighted in red font below: Notwithstanding anything ……. (365) days thereafter. This BANK GUARANTEE ~~shall~~ may be extended from time to time for such period, as may be desired by…… [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV and …… [Insert name of the Bank].	The format is as per SBDs issued by MOP
146	**RfP** Section-1, Clause 1.5, Para 3 The TSP shall ensure transfer of all project assets along with substation land, right of way and clearances to STU or its successors or an agency as decided by the Government of Maharashtra after 35 years from COD of Project at zero cost and free from any encumbrance and liability. The transfer shall be completed within 35 years from COD of Project failing which Government of Maharashtra/ Maharashtra STU shall be entitled to take over the project assets Suo moto.	1. Please note that there is no clarity about the liability of the TSP post Transfer of asset. We request BPC to define the process of Transfer. 2. As the project is BOOT basis, we request BPC to provide Transfer Agreement for bidder's review and assessment.	Provisions of RfP and TSA shall prevail.
147	**TSA** ARTICLE: 1 Definitions and Interpretations Independent Engineer" shall mean an agency/ company, appointed by Nodal Agency in accordance with the Guidelines for Encouraging	We understand that as the Independent Engineer to be appointed by Nodal Agency (MSTU), The fee and charges of the Independent Engineer shall be paid by MSTU and TSP does not have to consider any fee and charges of the Independent Engineer in its bid.	Nodal Agency shall appoint the Independent Engineer as per the provisions of TSA

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	Competition in Development of Transmission Projects TSA ARTICLE: 18 18.3 Remuneration of Independent Engineer		
148	**TSA** ARTICLE: 1 Definitions and Interpretations Definition of Nodal Agency Nodal Agency" shall mean Maharashtra State Transmission Utility (MSTU) , which shall execute and implement the Transmission Service Agreement (TSA);	The proviso to the definition states that while taking major decisions, MSTU shall consult CEA on technical matters and any other matter if it feels necessary. BPC is requested to provide clarity on what would constitute 'major decisions'; further, what would be the nature of consultation is not clear, whether such consultation would be binding or just advisory in nature? Further, there is an element of discretion as well on the part of MSTU, which should be done away with.	Bidder is requested to ask questions specific to the scheme. The provisions of TSA shall prevail
149	**RfP** **TSA** Various Clauses, Schedules and Articles SCOD - 24 Months from effective date	Please consider granting extension of SCOD from 24 months to at least 30 months or in a matching timeframe with Pune III – Satara s/s 765 kV D/c line. 1) As per the minutes of the 28th National Committee on Transmission released on 21st March 2025, the persisting issue of high lead time in manufacturing of ICTs/reactors as well as GIS bay extensions was acknowledged and as a result, the timelines for constructing greenfield schemes as well as carrying out augmentation works of different kind at existing substations were increased by at least 3-6 months beyond their default timelines. 2) Kharghar Vikhroli Transmission Limited (KVTL) was the first intra - state transmission scheme to be commissioned under TBCB mode in Maharashtra. However, owing to various FM events, including delay in obtaining forest and wildlife clearances, the project took significantly higher time for	The provisions of RfP wrt SCOD shall prevail.

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		commissioning than the stipulated SCOD timeline of 30 months. 3) Further, as per the 39th CMETS-SR, currently there is no ISTS substation at Satara, and the proposed commissioning of Satara ISTS is July/August 2028. Mismatch in commissioning of these two schemes can create revenue related issues for the TSP of Kandalgaon TBCB scheme. 4) Further, the lines are expected to traverse through hilly terrain. Citing the above reasons, we request that the SCOD for the subject transmission scheme should be kept as 30 months from effective date, or in a matching timeframe with Pune III – Satara s/s 765 kV D/c line. **Suggested text for the amendment** SCOD - 30 months from effective date	
150		Please specify the following: BPC to confirm, whether the supplementary guidelines for payment of compensation in regard to Right of Way (RoW) for transmission lines, issued by Ministry of Power, Government of India on 21st March 2025 shall be applicable or the existing RoW guidlelines of Maharashtra will prevail to the subject Intra-State transmission scheme?	Please refer RoW Guidelines dated 01.12.2022 issued by Govt. of Maharashtra.
151	a) Scope of work (proposed and existing s/s): 1. Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and	Please specify the following: a) With respect to the scope of work at **existing** substation: 1. Please confirm the name of the existing TSP of at 220 kV AIS Kandalgaon.	a) 1.MSETCL 2.No charge for the space is envisaged 3. There is no any supervision charges of MSETCL during construction phase for

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	2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level. 2. LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon 3. LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kVAIS Kandalgaon 4. 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing): i. 220 kV Line bays at 220 kV Kandalgaon (Existing) b) Article 3.1.3 of TSA: The TSP agrees and undertakes to duly perform and complete the following activities within six (6) months from the Effective Date …… To obtain the Transmission License for the Project from the State Commission;	2. Kindly confirm that the space shall be provided free of cost by existing utilities for: i. 220 kV Line bays at 220 kV Kandalgaon (Existing) 3. Please clarify whether any Supervision charges will be applicable on the scope of work as mentioned in the RfP or not? If yes, kindly provide relevant document for estimation of the same. 4. Also, clarify the methodology for calculation of O&M cost of the bays at the existing s/s. b) With respect to the scope of work at **proposed** substation: 1. Please confirm if the TSP will be required to acquire entire land / area suitable to accommodate project scope, or can the TSP acquire only that much area which it deems fit to accommodate both present and future scope at Kandalgaon. c) We understand that LILO is to be done on Satara - Pune III D/c line. The Bidding for Pune III S/s has been completed and it was awarded to Adani in Sep'2024, kindly provide us with the current status of construction. Further, as per the minutes of the 39th CMETS-SR, the Satara ISTS s/s is scheduled for commissioning by July/August 2028. Please	extension works at 220 kV AIS Kandalgaon 4. The guidelines are being shared at **Annexure-A** 5. The O&M of bays at existing sub-stations will be carried out by existing owner on behalf of TSP. O&M charges shall be applicable as per the provisions under the MERC MYT Regulations 2024 and as amended from time to time. Please refer MERC Order dated 28.03.2025 in Case No. 178 of 2024 (at **Annexure-A)** b) The bidder may optimize the land requirement to accommodate the scope of the scheme as per RfP c) The details would be shared separately d) Please refer to 2.5.7 of RFP.

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		provide an update on the status of award of the proposed scheme, and who shall be the TSP constructing the 765 kV D/C line. d) Please provide the reference of appropriate regulation stating the license fee to be paid by the Intra-state TSP in Maharashtra.	
152	**RfP** Scope of work: LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	As per the minutes of 39th CMETS-SR, Satara ISTS s/s is proposed to be commissioned by July/August 2028, with a minimum implementation timeframe of 24 months. However, considering that the under bidding transmission scheme for Kandalgaon too has its SCOD in 24 months from effective date, it is highly likely that the TSP of Kandalgaon TBCB will be in a position to commission its scheme well before commissioning of Pune III – Satara s/s 765 kV D/c line. Therefore, the BPC is requested to clarify the following: a) In the event of a delay in commissioning of the Satara s/s and Pune III – Satara 765 kV D/c line, the TSP of Kandalgaon scheme can declare early commissioning / deemed COD in accordance with Article 6 of the TSA. Accordingly, the TSP will be allowed to recover transmission charges in full regardless of the commissioning of the proposed interconnection facility, i.e., Pune III – Satara 765 kV D/c line.	Provision of TSA shall prevail.
153	**RfP** General	BPC has stated in the RFP that, in case of land constraints, the TSP should opt for a GIS bay or utilize land adjacent to the substation for bay construction.	Space for construction of 02 nos of 220 kV AIS bays is available at 220 kV (existing) kandalgaon Substation.

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		Since this factor impacts project cost, we request BPC to kindly clarify which type of bay (AIS or GIS) is to be constructed and confirm that the required land parcel is available and handed over to the TSP free of cost.	Bidder may confirm the same by visiting substation.
154	**General**	BPC to provide SLD, overall layout and earthing layout for the existing substation mentioned in the RFP.	Please refer **Annexure-1**
155	Survey Report	BPC to confirm if the tapping points for the LILO lines are flexible and can be changed as per the bidder's convenience and project execution feasibility.	The tapping point location shown in the survey report is tentative and bidder may change it to optimize the transmission route/scheme in coordination with the line owner.
156	RoW width and Span in different terrain shall be as per Schedule VII of CEA (Technical Standards for Construction of Electrical plants and Electric Lines) Regulations 2022 and RoW guidelines issued vide CEA-PS-14-86/2/2019-PSETD Division dated 24.09.2024.	As per the forest guidelines Van (Sanrakshan Evam Samvardhan) Adhiniyam 1980 and Van (Sanrakshan Evam Samvardhan) Rules 2023, the RoW for compensation for 765 kV has been standardized to 67 m. However, as per the mentioned CEA guidelines it is 56 m for forest area (300 m span) and 54 m for urban/ populated/ approach section to substation (250 m span). Since there is a contradiction between these forest and CEA guidelines, the forest officials insist on the payment of forest compensation charges considering RoW width as 46 m. We understand that in such case, the additional compensation paid to forest department on account of above contradiction would be covered under change of law.	Bidders need to familarise themselves with the relevant guidelines/regulations. Bidder may refer to clause no 2.5.7 of RfP. The guidelines of MoEF shall prevail for the portion of the corridor passing through forest area.
157	**RfP** ANNEXURE C- SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM	The requirement and specifications of Line trap is not mentioned in substation equipment details.	Bidders shall follow IEC 60353 and IS 8792/IS 8793 (Indian Standards for Line Traps and Testing Methods) and relevant standards.

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		Kindly share	
158	**RfP** Clause B.3.1 Sr no. Vi	We understand that, at existing 220kV Kandalgaon substation there is no requirement of New ACDB, DCDB, battery & battery charger(220V and 48V), Aux power transformer. The existing facilities shall be provided free of cost as required. Kindly confirm.	Please refer **Annexure-1**
159	**RfP** Clause B.3.5	At existing kandalgaon substation, the space required for CRP panels in existing control room shall be provided by respective utilities free of cost. Kindly confirm.	Please refer **Annexure-1**
160	**RfP** B.2.5 a) Substation Automation System	Kindly provide details of SAS System at the below mentioned remote stations. Details should contain make. model, version details of existing SCADA and RTUs. Details on how SLDC Connectivity is achieved at Remote Station 1) 220KV Existing Kandalgaon Station 2) 400KV Nagothane	Please refer **Annexure-1 & 2**
161	**RfP** B.2.5 a) Substation Automation System	We understand that S/S where SCADA system already exists have sufficient hardware , software & tag capacity to integrate the new Bays . TSP will consider the integration services of SCADA for the same. Kindly confirm TSP understanding is correct.	Please refer **Annexure -1**
162	**RfP** B.2.5 a) Substation Automation System	Kindly confirm list of SLDCs to which data is to be sent. We understand that data is to be sent to SLDC, Kalwa and SLDC, Ambazari (Nagpur)	Bidders understanding is correct

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163	**RfP** B.2.5 a) Substation Automation System	As per our understanding SAS system shall be sized for both hardware and software for requirements including proposed future bays and equipment. Kindly confirm	Please refer **Annexure -1**
164	**RfP** B.2.5 a) Substation Automation System	For Remote Stations - Please share the reference architecture of SAS as well as its integration with RLDC/SLDC. Also share typical I/O list.	Please refer **Annexure-2**
165	**RfP** C.4.0 Specific Requirement for Phasor Mesurement Unit	We understand PMU is to be integrated with Single PDC at SLDC, Kalwa. Kindly confirm	Yes
166	**RfP** C.4.0 Specific Requirement for Phasor Mesurement Unit	Kindly share PMU Details at Remote Stubstations. Details should contrain name of Substation,Line and availability of PMU	Please refer **Annexure-1**
167	**RfP** C. SPECIFIC TECHNICAL REQUIREMENT FOR COMMUNICATION (Pg. No. 161) The communication services viz. SCADA, AGC (wherever applicable), VoIP, AMR and PMU have been identified as critical services and therefore shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation. PMU to PDC communication (wherever required) shall be through 2 channels to the PDC (main) as there is no backup PDC at present.	i) We understand connectivity of SCADA, AGC (wherever applicable), VoIP, AMR and PMU will be provisioned from existing FOTE at either Pune/Satara/Nagothane/Dabhol/Kandaloga on to Main control center and Backup Control Center, PDC at Main / Backup Control Center through existing MSETCL SDH or VSAT network. Please confirm. (ii) Request to provide details like location, utilities, channel availability to SLDC, Backup SLDC, RLDC e.t.c., for all the data communication connectivity end-points.	Please refer **Annexure -1 &2**

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168	**RfP** C.1.0 Establishment of 2x1500 MVA, 765/400/220 kV AIS Kandalgaon with 240 MVAR bus Reactor at 765 kV level (Pg. No. 161) ii) TSP shall supply, install and commission One or more STM-16 (FOTE) equipment along with panel/s supporting minimum Eleven (11) directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching among equipment (if any)	Request to provide details of remote ends FOTE details (make, model, spare port availability) for integration.	Please refer **Annexure-1**
169	**RfP** C.2.0 LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765/440/220 kV AIS Kandalgaon (Pg. No. 162)	(i) Request to provide details of remote ends FOTE details (make, model, spare port availability) for integration. (ii) Please provide details of existing OPGW fiber capacity and healthiness details.	The 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) is under approval. Hence, the required details are not available at this stage.
170	**RfP** C.3.0 LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon (Pg. No. 163)	(i) Request to provide details of remote ends FOTE details (make, model, spare port availability) for integration. (ii) Please provide details of existing OPGW fiber capacity and healthiness details.	Please refer **Annexure-2**
171	**RfP** C.4.0 FOTE requirement for 220 kV Line bays 220 kV Kandalgaon (Existing) (Pg. No. 163) (ii) TSP shall supply, install and commission One STM-16 (FOTE) equipment along with panel/s supporting minimum three (3 directions with MSP (Multiplex Section Protection – 1+1)	(i) Request to provide details of local end FOTE details (make, model, spare port availability) for integration. (ii) Is spare source available in the existing infrastructure for the power supply or bidder to consider new power supply source. Please confirm.	Please Refer **Annexure-1**

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172	**RfP** C.5.0 PLCC and PABX: (Pg. No. 169) viii) PLCC equipment for all the transmission lines covered under the scheme shall be provided by TSP. PLCC to be provided for following lines under present scope:	(i) We understand for all the lines: 1 set Analog PLCC + 1 set Digital Protection Coupler to be considered for each circuit at both local and remote ends of the new substation. Please confirm. (ii) We understand that existing / spare power source would be available at remote ends for the PLCC. Please confirm.	(i) The provisions of RfP shall prevail (ii) existing / spare power source would be available at existing Substation. The bidder may has to make necessary augmentation if necessary. Bidder to coordinate with the SS owner for the same Please refer **Annexure -B**
173	**RfP** Clause no. A.7.0 Page no. 141	As per the RFP, we understand that a Hexa Bundle Zebra : Stranding 54/3.18 mm-Al +7/3.18 mm-Steel ,28.62 mm diameter, conductor configuration will be used for LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon Kindly confirm whether the TSP's understanding is correct.	Bidders understanding is correct
174	**RfP** Clause no. A.7.0 Page no. 142	As per the RFP, we understand that a Quad Bundle Moose: Stranding 54/3.53mm-Al +7/3.53 mm-Steel,31.77 mm diameter, conductor configuration will be used for LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon Kindly confirm whether the TSP's understanding is correct.	The LILO portion Conductor shall be compatible with existing line i.e. 400 kV D/C line from Dabhol to Nagothane.
175	**RfP** Clause no. A.7.0 Page no. 142	As per the RFP, we understand that a single Moose: Stranding 54/3.18 mm-Al +7/3.18 mm-Steel,428 sq mm Aluminium area,28.62 mm diameter, conductor configuration will be used for 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)	Scope of RfP shall prevail

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		Kindly confirm whether the TSP's understanding is correct.	
176	**RfP** General	Please clarify whether the shutdowns required for the LILO arrangement of the existing following line will be provided to the TSP on a chargeable basis or free of cost. 1. LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon 2. LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	Shutdowns of existing transmission lines will be given to TSP by the concerned owner of the lines as per their own terms and conditions. As far as the shutdown of ISTS lines is concerned the same can be availed by approaching the respective Regional Power Committee.
177	**RfP** Clause no. C.2.0 , page no. 162, 163	Kindly share the existing OPGW details, exiting line length and also provide the details of make and model of the FOTE equipment at terminal S/S for the following transmission lines: 1. LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon 2. LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	1. The 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) is under approval. 2. Please refer **Annexure-2**
178	**Survey report** Clause no. 8.3 , page no. 45	Please share the Transposition tower details of 400 kV D/C line from Dabhol to Nagothane	The bidder may approach concern authorities for its due diligence.
179	**Survey report** Clause no. 8.3 , page no. 45	Kindly share the tapping tower type, tapping tower angle, and plan profile of the span of the existing400 kV D/C line from Dabhol to Nagothane from the location where the LILO is to be carried out	The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence. The bidder may approach concern authorities for its due diligence.
180	**Survey report** Clause no. 6.3 , page no. 15	Kindly share the tapping tower type, tapping tower angle, and plan profile of the span of the existing 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) from the location where the LILO is to be carried out.	The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS scheme.

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			The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.
181	**General**	Clarification and confirmation on soil strata, soil investigation report	BPC would reply
182	**General**	Contour data of the plot to identify if any cutting or filling.	BPC would reply
183	**Survey Report**	Both Loop Out and Loop In routes of 765 kV Pune (Proposed)-Satara (Proposed) & Loop ILine is infringing with the BPC route of 765 kV Hinjewadi Jejuri Line at many locations viz AP 22-24,AP35-AP36.AP38-AP40 (Loop IN) AP 84 to ,95-AP 12,AP 107-110,AP126-126 (Loop OUT) Accordingly the crossings may be shown and route may be revised.	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.
184	**Survey Report**	Both Loop Out and Loop In routes of 765 kV Pune (Proposed)-Satara (Proposed) are infringing with the BPC route of 765 kV Pune III – Boisar II line at many locations viz AP 114-117,102,88,95(Loop OUT), AP 14-22,33-38,27-28 (Loop IN) Accordingly the crossings may be shown and route may be revised.	Please refer the revised survey report. The route shown is tentative in nature and the Bidders are advised to conduct their own due diligence.
185	**Survey Report**	It is requested to confirm whether, M/C towers can be used for merging the LILO on 400 kV Dabhol to Nagothane Ckt 1 & LILO on 400 kV Dabhol to Nagothane Ckt 2 .	Bidders are advised to conduct their own due diligence.
186	**Site Due Diligence as per BPC Survey Report**	As per our site visit to Kandalgaon (existing) – MSETCL substation, it was informed by the substation officials that the entire substation is getting converted to GIS from AIS. Moreover, it was also confirmed that there is sufficient space to accommodate the two (2) line bays	Please refer to reply at Sl No 99

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		envisaged in the scope of work in Kandalgaon (existing) under Kandalgaon TBCB. Hence, we request BPC to confirm the above understanding and thereby issue an amendment to provide clarity on the scope of work at 220 kV Kandalgaon (Existing) MSETCL substation and the two (2) line bays would be GIS type only in order to maintain the compatibility with the proposed conversion from AIS to GIS of the existing substation.	
187	**Site Due Diligence as per BPC Survey Report**	As per our internal due diligence and survey, it was found that some portion of the proposed substation land provided by BPC comes under RF (Reserved Forest)/ PF (Protected Forest) (Image enclosed for your reference).  We request BPC to re-conduct the due diligence and shift the proposed substation land to a suitable location.	As per GATI Shakti Portal, Parivesh Portal and SoI Toposheets, the proposed sub-station location does not fall under RF (Reserved Forest)/ PF (Protected Forest). Further, the Bidders are advised to conduct their own due diligence.
188	**Site Due Diligence as per BPC Survey Report**	Basis our site survey for the proposed substation of Kandalgaon, no land parcel within the 5 km radius was found suitable enough to accommodate 100 acres of	Feasible locations are available.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
		land for establishment of the substation as the terrain within the stipulated radius lies in the undulated and rocky region and there are no feasible locations available for developing such a huge substation. Hence, we request BPC to increase the flexibility of locating the substation from 5 km to 10 km radius to overcome the above challenges and find a suitable land parcel for the proposed scope of work.	
189	**Survey report**	As the Pune III – Satara transmission line is currently under bidding, and hence, the tapping points provided in the BPC survey report are tentative. We understand that after awarding of the project to the successful bidder, there may be a change in the tapping points and thereby it may have a considerable change in the proposed transmission line length which may impose risk on the developer of the Kandalgaon TBCB. We request BPC to provide clarity on the above.	The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS scheme. The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.
190	**RFP** **Clause 1.2** Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level. □ 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) □ 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) □ 400/220 kV, 500 MVA, ICT – 2 Nos. □ 125 MVAR ,420 kV Bus reactor– 1 No □ 765 kV ICT bays –3 Nos. □ 400 kV ICT bays –5 Nos. □ 765 kV line bays –4 Nos.	We request clarification on the bus sectionaliser requirements for both the present scheme and the future scheme. Confirmation of these details is essential for finalizing the land requirement.	The scope of the scheme as per the RfP shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	□ 400 kV line bays – 4 Nos. □ 765 kV Bus reactor Bay– 1 No. □ 400 kV Bus reactor bay– 1 No. □ 220 kV ICT bays – 2 Nos.		
191	**RFP** **Clause 1.2** LILO on 765 kV D/C line from Satara (Proposed) to Pune- III (Proposed) at 765 kV AIS Kandalgaon	Kindly provide the following technical details for the proposed **Satara – Pune III** transmission line: • Type, size, and specification of the conductor • Type, size, and specification of the OPGW • The **total line length** of the proposed Satara–Pune III line • The **exact tapping point location**, along with coordinates or tower location details with tower type	Please refer to reply at Sl No 53 of earlier clarifications provided on 27.01.2026
192	**RFP** **Clause 1.2** LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	Kindly provide the following technical details for the proposed Dabhol to Nagothane transmission line: • Type, size, and specification of the conductor • Type, size, and specification of the OPGW • The **total line length** of the proposed Dabhol to Nagothane line The **exact tapping point location**, along with coordinates or tower location details with tower type	The kmz file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. • Type: AAAC Morculla, Size: 560 Sqmm, Quad Bundled Conductor. Total Line Length: 64 kM OPGW is Not available for this line.
193	**RFP** **Clause 1.2** 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos	Please confirm whether adequate space is available within the existing 220 kV Kandalgaon Substation for the construction of **two (2) new 220 kV line bays**. To assess and finalise the technical requirements, we request you to kindly provide the following drawings of the existing substation: • Structural layout • Electrical layout • SLD Provision of the above information will enable us to prepare an accurate and compliant bid proposal.	Bidder may visit the SS and ascertain about the details themselves in co-ordination with the owner Pl. Refer **Annexure -1** for details in respect of 220 kV Kandalgaon SS.
194	**RFP** **Clause 1.2**	As per RFP 4 Nos of future Line bay space provision is mentioned whereas in given configuration 5 no of line provisions are mentioned, please clarify.	Five (5) no of 765kV line bays are required to complete the dia. Space may be provided for 5 no of 765kV line bays. (refer to **Amendment -1)**

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	765 kV bay configurations (one and half breaker scheme) shall **Configuration** *ICT- Tie- Line* *Bus Reactor-Tie-Line* *Future space for ICT*- Tie- Future space for Line** *Future space for line*-Tie-Future space for line**		The configuration of the switching scheme is indicative and the bidder may optimize the BOQ, provided the requirements and scope of the RfP are fully met.
195	**RFP** **Clause 1.2** Switching Scheme *400 kV bay configurations (one and half breaker schem* **Configuration** *ICT - Tie- Line* *ICT - Tie- Future space for Line** *Bus Reactor-Tie- Future space for line ** *Future space for ICT*- Tie- Future space for line ** *Future space for line *-Tie-Future Space**	As per the RFP, the present scheme includes only three (3) nos. of 765/400 kV ICTs. Accordingly, the ICT–Tie–Line configuration can be implemented for only three (3) diameters. However, the referenced clause indicates a requirement for four (4) diameters under the present configuration, which does not appear to align with the number of ICTs specified in the RFP. We presume, the bay configuration indicated in the referred clause is indicative and bidder design their	Two no of 400kV ICT bays for 400/220 kV ICTs would be met as below (i) One from (4 nos of ICT-Tie-Line) (ii) One from (ICT-Tie-Future space for line) The configuration of the switching scheme is indicative and the bidder may optimize the BOQ, provided the requirements and scope of the RfP are fully met.
196	**RFP B.2.0** **Sl.No** | **Description of bay** | **765/400/220 kV A** **765 kV** | **400 kV** 1. Bus Bar | 4000 A | 4000 A 2. Line bay | 3150 A | 3150 A 3. ICT bay | 3150 A | 3150 A 4. Reactor bay | 3150 A | 3150 A 5. Bus Sectionaliser bay | N/A | N/A 6. Bus Coupler Bay | N/A | N/A 7. Transfer Bus coupler bay | N/A | N/A	For 220kV Bus Sectionliser Bay current rating mentioned. Please confirm whether sectionaliser is to be considered in present/future scope	Please refer to reply at Sl No 183
197	**RFP** **B.2.3.1** The Circuit breakers controlling 765 kV lines shall be provided either with pre-insertion closing resistor of about 450 ohms maximum with 9 ms insertion time or with Controlled Switching	It is noted that, for 765kV lines, PIR or CSD shall be provided irrespective of the line length. Whereas in case of 400kV, CSD or PIR is applicable only for the lines greater than 200kM. Please confirm. Also please clarify the requirement of CSD for the ICT bays.	The provisions of the RfP are amply clear and shall prevail. The CEA guidelines in this regard shall prevail.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	Device. The Circuit breakers controlling 400 kV lines shall be provided with pre insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km.		
198	**RFP B.2.3.5** Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices.	Kindly note that there is no separate pressure relief device provided for Design-B surge arresters. The 220 kV surge arresters are of fully moulded cage construction (Design B). In this design, the possibility of moisture ingress is eliminated due to the completely sealed construction. During a short-circuit event, the arc is safely commuted through tearing or cracking of the silicone rubber housing, which serves as the pressure-relief mechanism. Hence, a dedicated pressure relief device is not applicable for 220 kV surge arresters of Design B. We request your confirmation on the above.	The surge arresters shall strictly confirm to IEC 60099-4/IS: 3070 (Part-III) with latest amendment if any all respect.
199	**RFP** **B.2.4.d** Duplicated bus bar protection is envisaged for 765 kV 400 kV & 220 kV bus-bar protection.	Generally, in ISTS TBCB projects, duplicated busbar protection schemes are implemented only for 765 kV and 400 kV voltage levels. For the 220 kV level, the busbar protection is typically provided as a single-main scheme. We request you to kindly confirm the applicable requirement for the 220 kV system under the present project.	Provisions of RfP shall prevail.
200	**RFP** **B.2.5** Substation Automation System	Please provide the details of SCADA architecture, make of existing SAS, Busbar protection scheme, relay model number, VMS system for augmentation at 220 kV Kandalgaon (Existing) Substation	Please refer to Annexure -1 for details in r/o 220 kV Kandalgaon S/Stn.
201	**RFP B.3.1** Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary	Please confirm the process of energy accounting for this project, considering that no AMR (Automated Meter Reading) system is specified or intended in the scope. Kindly clarify how metering data will be collected,	Provision of CTU/ CEA / MERC MEGC 2020 Metering Codes will be applicable as per location of meter may be.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification required / Suggested text for the amendment	Reply
	supply at new substation. ……. Accounting of such energy drawn by the TSP shall be done by SLDC as part of Regional Energy Accounting.	transmitted, and processed for energy accounting purposes.	
202	**RFP C.1.0** TSP shall supply, install and commission One or more STM- 16 (FOTE) equipment along with panel/s supporting minimum Eleven (11) directions	Please confirm the PLCC, SDH & DTPC Make of Satara, Pune III and Nagothane & Dabhole.	Bidder may coordinate with TSP of upcoming Satara & Pune III and Owner Nagothane & Dabhole SS for details.
203	**RFP C.2.0** The transmission line length for LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon line is 55 kms (approx.). If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.	Please provide the total transmission line length of the existing 765 kV line, along with details of any repeater stations installed along the route. Kindly share the number, location, and specification of the repeater stations, if applicable.	Please refer to reply at Sl No 53
204	**RFP C.3.0** The transmission line length for LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon line is 20 kms (approx.). If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.	Please provide the total transmission line length of the existing 400 kV line, along with details of any repeater stations installed along the route. Kindly share the number, location, and specification of the repeater stations, if applicable.	The kml file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. At present OPGW is not provided on 400 kV Dabhol – Nagothane line.
205	**RFP C.4.0(ii)** TSP shall supply, install and commission One STM-16 (FOTE) equipment along with panel/s supporting minimum three (3) directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between 765/400/220 kV AIS Kandalgaon to 220 kV	We presume that the necessary DC power supply for the bay and communication equipment will be tapped from the existing DCDBs. Kindly confirm.	Confirmed

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<table>
<tr><th>Sl. No</th><th>Name of the Document
Clause No. and Existing provision</th><th>Clarification required /
Suggested text for the amendment</th><th>Reply</th></tr>
<tr><td></td><td>Kandalgaon (Existing). The suitable DC Power Supply and backup to be provided for communication equipment.</td><td></td><td></td></tr>
<tr><td>206</td><td>RFP C.4.0(iii)
FOTE requirement for 220 kV Line bays 220 kV Kandalgaon (Existing):
FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of 220 kV Kandalgaon (Existing) which shall be communicating with respective control center.</td><td>Please confirm the availability of spare optical ports (1+1) for connectivity of our SDH with the existing SDH. Additionally, kindly provide the make of the existing SDH and the telecom system architecture to facilitate our assessment of the integration work.</td><td>Please refer to Annexure -1 for details in r/o 220 kV Kandalgaon S/Stn</td></tr>
<tr><td>207</td><td>RFP C.5.0 (viii)
PLCC and PABX:
<table><tr><th>Sl. No</th><th>Line name</th><th>PLCC con</th></tr><tr><td>1</td><td>LILO on 765 kV D/C line from Satara</td><td>1 set Ana</td></tr></table></td><td>We presume that PLCC equipment is available at both ends of the existing 765 kV and 400 kV lines. Therefore, the provision of PLCC at the remote end is not required. Kindly confirm. For our end we will consider PLCC and DTPC.</td><td>Requirement of the RfP shall be followed. PLCC requirement is envisaged in the scope of the developer of the line.</td></tr>
<tr><td>208</td><td>RFP CL.B.4.(d)
All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 g/m2, however, for coastal/creek regions it shall be at least 900 g/m2. (if applicable)</td><td>Please confirm whether the same clause is applicable to the substation equipment and structures. Additionally, kindly clarify if this clause is applicable to all transmission line towers or only to towers located in coastal/creek regions.</td><td>The provisions of RfP are amply clear and shall prevail.</td></tr>
<tr><td>209</td><td>RFP CL.A.14.0
Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years’ maximum flood discharge of the river, maximum</td><td>The survey report shows multiple river crossings but does not mention the requirement of pile foundation. The same is used as a basis for not considering pile foundation. Please confirm.</td><td>The river crossings shown in the survey report are minor and does not require pile foundation as per CEA Guidelines.</td></tr>
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Set 2 Clarifications to RFP & Project Documents of Intra-State Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sl. No	Name of the Document Clause No. and Existing provision	Clarification sought by bidder / Suggested text for the amendment Reply by BPC in Clarification Set-1	Revised Reply
1	**RFP** 220 kV line bays at 220 kV Kandalgaon (Existing) Note- Space shall be provided by existing/proposed utility for following. However, In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations	We request BPC to confirm that land for Kandalgaon (Existing) SS will be provided free of cost to the TSP. Further, in case of any land constraints at Kandalgaon (Existing) SS , BPC is expected to clarify to the TSP either to procure additional land or to consider opting for GIS. **BPC reply at Sl No 42 at Clarification Set-1** No charge is envisaged for the available land for construction of 220 kV line bays at 220 kV Kandalgaon (Existing). MSTU may confirm the above & reply for option of GIS in case of land constraint.	At Existing 220 kV Kandalgaon - MSETCL S/Stn conversion of AIS to GIS is under tenderization with expected Time line for completion as August 2027. As such successful bidder has to construct 2 no of 220 kV GIS End bays at 220kV Kandalgaon Existing under present scope. No charge is envisaged for the available land for construction of 220 kV GIS line bays at 220 kV Kandalgaon (Existing). Please refer to **Amendment No -2**
2	**RfP** B.1.2 Switching scheme of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-149	TSP understand that provided configuration diameter for present and future bays for 765 kV, 400 kV is indicative only. In order to optimum utilization of land TSP may modify the configuration keeping overall scope intact. **BPC reply at Sl No 51 at Clarification Set-1** The scope of the project mentioned in RfP shall prevail. Bidder may optimize the configuration of diameter without changing the scope of the project mentioned in RfP.	The bay configurations mentioned at B.1.2 viii) are applicable to the present scope. The configurations mentioned for the future scope under (*) are indicative in nature and may be designed by the bidder.
3	**RfP**	Diameter configuration provided in Rfp for 400 kV switchyard does not cover entire future scope. In case	Please refer to reply at Sl No 2

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<tr><th>Sl. No</th><th>Name of the Document
Clause No. and Existing provision</th><th>Clarification sought by bidder /
Suggested text for the amendment
Reply by BPC in Clarification Set-1</th><th>Revised Reply</th></tr>
<tr><td></td><td>B.1.2 Switching scheme of SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION Page-149</td><td>TSP has to comply with the configuration, please provide configurations for all future bays.
BPC reply at Sl No 52 at Clarification Set-1
The scope of the project mentioned in RfP shall prevail. Bidder may optimize the configuration of diameter without changing the scope of the project mentioned in RfP.</td><td></td></tr>
<tr><td>4</td><td>RfP
….The TSP will be required to establish the following Intra State Transmission System for “ Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)” .. … ….<table><tr><th>Name of the Transmission Element</th><th>Scheduled COD</th></tr><tr><td>Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level ….</td><td rowspan="4">24 MONTHS</td></tr><tr><td>LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon</td></tr><tr><td>LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon</td></tr><tr><td>220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)</td></tr></table>Note-
Space shall be provided by existing/proposed utility for following. However, In case of land</td><td>As per the provisions of RfP, Space for 220 kV line bays at 220 kV AIS Kandalgaon (Existing) shall be provided by existing/ proposed utility.
However, in case of land constraints TSP may opt for GIS bays / Acquire suitable land adjacent to the substations)
Considering the uncertainty about the availability of land and uncertainty in scope of work, i.e, construction of AIS/GIS bays at Kandalgaon (Existing), it will be very difficult to firm up the price for preparation of RfP bid. The same will also create undue advantage to some participants. In order to ensure level playing field for all the bidders, following may be clarified:
(i) Based on availability of land area identified for bay extension works at Kandalgaon (Existing), the type of bays AIS or GIS shall be clearly defined in the scope of work.

In case of GIS, technical specifications etc. may also be issued.

BPC reply at Sl No 99 at Clarification Set-1
No charge is envisaged for the available land for construction of 220 kV line bays at 220 kV Kandalgaon (Existing).
MSTU may confirm the above & reply for option of GIS in case of land constraint.</td><td>Please refer to reply at Sl No-1</td></tr>
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Sl. No	Name of the Document Clause No. and Existing provision	Clarification sought by bidder / Suggested text for the amendment Reply by BPC in Clarification Set-1	Revised Reply
	constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations) a. 220 kV line bays at 220 kV AIS Kandalgaon (Existing) In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters		
5	**Survey Report**	As per survey report , Bee Line of 765 kV Pune (Proposed)-Satara (Proposed) has been shown to indicate tapping point. The proposed route for the 765 kV Pune (Proposed)-Satara (Proposed) line is not available in KM and it is understood the line is in a separate scheme yet to be awarded. It is understood that in case of change in the tapping point as per the actual route of Pune-Satara. the bidder shall be compensated against change in law provision. **BPC reply at Sl No 103 at Clarification Set-1** The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS. The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.	The 765/400kV Satara S/s is presently under approval stage under ISTS scheme "Network Expansion scheme in Western Region to cater to Pumped storage potential near Satara (upto 4500MW)". The scheme involves LILO of Pune-III – Karjat-II(M)/Pune (GIS) 765kV D/c line at Satara S/s, which shall result in creation of Satara – Pune-III 765kV D/c line (after LILO). As the scheme is under approval stage, tentative route is not available The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.
6	**RfP** Clause 1.2	BPC is requested to share the Timeline for the commissioning of the Proposed Satara to Pune-III 765kv D/C Line and clarify whether the tapping location indicated in the survey report for the LILO of the Satara (Proposed)–Pune-III line has been finalized. If the	Please refer to reply at Sl No-5

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification sought by bidder / Suggested text for the amendment Reply by BPC in Clarification Set-1	Revised Reply
	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Under Construction) at 765 kV AIS Kandalgaon	tapping point is still provisional, kindly furnish the confirmed/fixed tapping coordinates at the earliest, as the Satara project is currently under the bidding stage. **BPC reply at Sl No 120 at Clarification Set-1** The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS. The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due diligence.	
7	**Site Due Diligence as per BPC Survey Report**	As per our site visit to Kandalgaon (existing) – MSETCL substation, it was informed by the substation officials that the entire substation is getting converted to GIS from AIS. Moreover, it was also confirmed that there is sufficient space to accommodate the two (2) line bays envisaged in the scope of work in Kandalgaon (existing) under Kandalgaon TBCB. Hence, we request BPC to confirm the above understanding and thereby issue an amendment to provide clarity on the scope of work at 220 kV Kandalgaon (Existing) MSETCL substation and the two (2) line bays would be GIS type only in order to maintain the compatibility with the proposed conversion from AIS to GIS of the existing substation. Space for construction of 02 nos of 220 kV AIS bays is available at 220 kV (existing) kandalgaon Substation. Bidder may confirm the same by visiting substation.	Please refer to reply at Sl No -1
8	**RFP** **Clause 1.2**	As per RFP 4 Nos of future Line bay space provision is mentioned whereas in given configuration 5 no of line provisions are mentioned, please clarify.	The bay configurations mentioned at B.1.2 viii) are applicable to the present scope. The configurations indicated for the future scope under

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification sought by bidder / Suggested text for the amendment Reply by BPC in Clarification Set-1	Revised Reply
	765 kV bay configurations (one and half breaker scheme) shall Configuration *ICT- Tie- Line* *Bus Reactor-Tie-Line* *Future space for ICT*- Tie- Future space for Line** *Future space for line*-Tie-Future space for line**	**BPC reply at Sl No 194 at Clarification Set-1** Five (5) no of 765kV line bays are required to complete the dia. Space may be provided for 5 no of 765kV line bays. (refer to Amendment -1) The configuration of the switching scheme is indicative and the bidder may optimize the BOQ, provided the requirements and scope of the RfP are fully met.	(*) are only indicative in nature and may be designed by the bidder. Please refer to **Amendment No -2**
9	**RFP** **Clause 1.2** Switching Scheme *400 kV bay configurations (one and half breaker scheme) shall be as* Configuration *ICT - Tie- Line* *ICT - Tie- Future space for Line** *Bus Reactor-Tie- Future space for line ** *Future space for ICT*- Tie- Future space for line ** *Future space for line *-Tie-Future Space**	As per the RFP, the present scheme includes only three (3) nos. of 765/400 kV ICTs. Accordingly, the ICT–Tie–Line configuration can be implemented for only three (3) diameters. However, the referenced clause indicates a requirement for four (4) diameters under the present configuration, which does not appear to align with the number of ICTs specified in the RFP. We presume, the bay configuration indicated in the referred clause is indicative and bidder design their **BPC reply at Sl No 195 at Clarification Set-1** Two no of 400kV ICT bays for 400/220 kV ICTs would be met as below (i) One from (4 nos of ICT-Tie-Line) (ii) One from (ICT-Tie-Future space for line) The configuration of the switching scheme is indicative and the bidder may optimize the BOQ, provided the requirements and scope of the RfP are fully met.	Two no of 400kV ICT bays for 400/220 kV ICTs would be met as below (iii) One from (4 nos of ICT-Tie-Line) (iv) One from (ICT-Tie-Future space for line) The bay configurations mentioned at B.1.2 viii) are applicable to the present scope. The configurations indicated for the future scope under (*) are only indicative in nature and may be designed by the bidder.

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Sl. No	Name of the Document Clause No. and Existing provision	Clarification sought by bidder / Suggested text for the amendment Reply by BPC in Clarification Set-1	Revised Reply **301**
10	**RFP B.2.0** …equipment shall be designed considering the following…	For 220kV Bus Sectionliser Bay current rating mentioned. Please confirm whether sectionaliser is to be considered in present/future scope **BPC reply at Sl No 196 at Clarification Set-1** Please refer to reply at Sl No 183 at Clarification Set-1	Please refer to reply at Sl No 190 at Clarification Set-1

Sl.No	Description of bay	765/400/220 kV AIS Kandalg	
		765 kV	400 kV
1.	Bus Bar	4000 A	4000 A
2.	Line bay	3150 A	3150 A
3.	ICT bay	3150 A	3150 A
4.	Reactor bay	3150 A	3150 A
5.	Bus Sectionaliser bay	N/A	N/A
6.	Bus Coupler Bay	N/A	N/A
7.	Transfer Bus coupler bay	N/A	N/A

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Set-3 Clarification to RfP documents for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sr. No.	Clause No. and Existing provision Amendment / Previous Clarification	Clarification needed Suggested	Suggested text for the amendment
1.	**RfP** Amendment -2 dated 04 Feb 2026 Sl. No 1 **RFP Scope** 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos **Note:** 1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation) a) 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)	Kindly clarify following points: 1. Space shall be provided in Existing GIS Hall for this 2 GIS Bays extension or TSP needs to construct a separate GIS Hall for the extension. 2. Provide the details of Existing GIS Make, Switching scheme. 3. Do they have extension modules for extension?	The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space will be provided in proposed GIS Hall by existing utility for extension of the work at existing substation. The project is under Tenderization and the details of GIS Make, Switching scheme could be provided after finalization of the same.
2.	**RfP** Amendment -2 dated 04 Feb 2026 Sl.No 1 **RFP** B.3.6 GIS hall The Gas Insulated Switchgear (GIS) of each voltage level along with other associated equipment shall be housed inside separate GIS building.	1. We understand that this clause shall be applicable if new GIS Hall needs to be constructed for the present scope 2 lines Bays only. 2. Kindly confirm the distance from the existing GIS Building to the new GIS Building for the estimation of Main bus bar duct quantity. 3. Kindly provide the existing GIS Layout / overall layout mentioning the present scope bay locations.	The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space will be provided in proposed GIS Hall by existing utility for extension of the work at existing substation. The project is under Tenderization and GIS Layout / overall layout could be provided after finalization of the same.

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3.	**RfP** Annexure – C Technical Specifications of Transmission System	As per latest revision of IS 1893 (Part 1): 2025 (Design Earthquake Hazard and Criteria for Earthquake-Resistant Design of Structures — Code of Practice Part 1 General Provisions) There are major changes in earthquake zones (zone VI added with higher zone factors) further zone factors are also increased which shall have significant increase in foundation & RCC structure BOQs. Especially updates in liquefaction potential calculation of soil, most of the foundations will become heavier requiring large diameter RCC piles, wherever soil is loose to medium dense. IS 1893 (Part 1): 2025: Issued in November 2025. IS 1893 (Part 8): Steel towers: Not issued yet. Please confirm whether IS 1893 (Part 1): 2025 to be strictly followed or IS 1893 (Part 1): 2016 can be followed till Part 8 Steel towers of latest code is issued	The bidder has to consider the latest provisions of the Standards.
4.	**RfP** Referring Sl.No 192 of Set 1 Clarification received from BPC on 28 Jan 2026. For LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon ***BPC Response:*** The kmz file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. • Type: AAAC Morculla, Size: 560 Sqmm, Quad Bundled Conductor. Total Line Length: 64 kM OPGW is Not available for this line.	As per BPC Clarification OPGW Is not present in the existing line, we understand that TSP Needs to provide OPGW only for the LILO portion.	Bidders understanding is correct
5.	This is with reference to an earlier query asking BPC for the route of Pune III- Satara (proposed) line in which following clarifications were received from BPC.	From the above clarification, it is seen that, both the S/S at Pune III and Satara as proposed Substations. BPC has neither confirmed that these location to lie	In continuation to the reply at Sl No 5 of Set-2 clarification, it may be clarified that LILO of Pune-III – Karjat- II(M)/Pune (GIS) 765kV D/c line

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	"The 765/400kV Satara S/s is presently under approval stage under ISTS scheme "Network Expansion scheme in Western Region to cater to Pumped storage potential near Satara (upto 4500MW)". The scheme involves LILO of Pune-III – Karjat- II(M)/Pune (GIS) 765kV D/c line at Satara S/s, which shall result in creation of Satara – Pune-III 765kV D/c line (after LILO). As the scheme is under approval stage, tentative route is not available. The tapping points are tentative in nature. Further, the Bidders are advised to conduct their own due Diligence."	within a certain radius from the given coordinates in survey report nor the route of Pune III – Satara has been provided. As such, it is impossible for any bidder to submit its bid. Accordingly BPC may kindly provide the information so that, the bidder may be able to offer its bid.	at Satara S/s, shall result in creation of Satara – Pune-III 765kV D/c line. The location of the S/S at Pune III has been identified and being developed under ISTS scheme. The tapping point for the LILO in the present scope shown in the survey report is near to Pune-III Substation. It is reiterated that the tapping points shown in the survey reports are tentative in nature. Further, the Bidders are advised to conduct their own due Diligence.
6.	Set I Clarification Kandalgaon dated 28th Jan'26 issued by BPC BPC reply in Sl. no. 186 and Sl. no. 99 against Tata Power's pre-bid query (dated 2nd Jan'26 Sl. No. 1 vide letter no. T&D/BD/DOM/FY26/PFCCL/Kandalgaon/096) "Space for construction of 02 nos. of 220 kV AIS bays is available at 220 kV (existing) Kandalgaon Substation. Bidder may confirm the same by visiting substation".	We have clearly requested (through Pre - Bid queries) BPC to provide the type of Bays extension (AIS/GIS) to be constructed at Kandalgaon (Existing) 220 kV MSETCL SS to which BPC have not given any reply. Also as mentioned in our Pre bid queries that basis our site due diligence it was informed by the MSETCL officials that the 220 kV Kandalgaon (Existing) substation will be converted into 220 kV GIS substation. BPC is requested to get the same confirmed from MSETCL considering this will have a huge cost impact on the bid. **Suggested text for the amendment** Hence, the scope of work in the existing Kandalgaon substation envisaged under the subject project should be: 220 kV GIS line bays at 220 kV Kandalgaon (Existing) – 02 Nos	The bidder may refer to reply at Sl No 1 of Set-2 clarification
7.	Set-I Clarification Kandalgaon dated 28th Jan'26 issued by BPC Sl. No. 189 The scheme involving 765 kV DC line from Pune-III (Proposed) to Satara (Proposed) is under approval under ISTS scheme.	As BPC is also aware & we also understand that the proposed substation of **Satara and the proposed 765 kV Pune III – Satara are both non-existent** as of now and also not under bidding. Hence, we request BPC to issue an amendment in the relat ents (RFP, TSA, etc.)	The bidder may refer to reply at Sl No 5 of Set-2 clarification

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		regarding changes in the scope of work as well in the revised survey report for 765 kV line envisaged in the project considering the non-existent of lines where LILO is to be done.	
8.	Set 2 Clarification Kandalgaon issued by BPC at Sl. no. 5 against bidders query As per the clarification, BPC has mentioned that the tapping point for 765 kV LILO of Pune III – Satara is tentative and also bidder is to conduct their own due diligence for the same.	BPC needs to understand that for a non-existent transmission line (765 kV Pune III – Satara), proper due diligence can neither be done nor can it suffice the requirements for the cost estimation of the bid.	Please refer to reply at Sl No 5
9.	Amendment No. 02 dated 04.02.2026 to the RFP documents	We understood that the space required for PAC panel and auxiliaries shall be provided by existing utility in MSETCL GIS building. Kindly confirm. Kindly specify the line termination details. whether line is terminated through Cable or GIB. Kindly share the location for proposed 220kV GIS at existing Kandalgaon substation.	Please refer to reply at Sl No 1

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Set-4 Clarification to RfP documents for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sr. No.	Name of the documents, Clause No. and Existing provision Amendment / Previous Clarification	Clarification needed Suggested	Reply
1.	**Route Survey report** PSP locations falling within the proposed route.	Based on our due diligence, we understand that the PSP is planned in the vicinity of the proposed route. Kindly share the tentative area/locations, as this will help us complete the survey and avoid any unforeseen issues in the future.	Presently no details are available to share.
2.	**Clarification Response Sr. No. 181** BPC would reply	Clarification and confirmation on soil strata, soil investigation report	BPC undertakes a preliminary survey. Soil investigation is under the scope of TSP.
3.	**Clarification Response Sr. No. 182** BPC would reply	Contour data of the plot to identify if any cutting or filling.	BPC undertakes a preliminary survey of the substation land, Contour data is not available at this stage.
4.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	The 400kV and 220kV transmission line falls completely within the coastal region but the 765kV region falls partially in the coastal region and partially in the non-coastal region. As per the shared survey report, please confirm the towers which fall in the coastal region of the 765kV voltage line.	The route of the transmission corridor shown in the survey report is indicative. Bidder may conduct its own due diligence to estimate the details.
5.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	The IS 875 code mentions K3 and K4 factors in the wind speed calculations which are not referenced in the IS 802 code. Please confirm the formula to be considered for evaluating the wind pressure. Vd=VR*K1*K2*K4 (As per IS 802) Pd=0.6*Vd*Vd Pz=Pd*Ka*Kd*Kc (As per IS 875) Based on the Pz calculated above, all other clauses of IS 802 shall apply for gust factor, over strength factor, etc.	The bidder should refer to relevant provisions of IS 875 and IS 802 to derive the tower design

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6.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	To take care of cyclonic wind loading, design of towers in coastal areas shall be carried out considering design wind speed based on multiplying an additional factor K4 = 1.3 to the reference wind speed. The increased wind pressure so calculated, shall be applied to Tower structure only and normal wind as per IS:802 shall be applied on Conductor/Earthwire/OPGW/Insulator. Further, the provisions for Narrow front wind loading condition shall remain as per IS:802 and no any additional coastal factor shall be considered.	The provisions of A.16.0 are applicable to Transmission lines as per RfP. As per RfP, the design of Transmission Tower should be done as per the relevant IS standards.
7.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	Please confirm the bidder understanding that K4 factor to be considered for all structures (Tower, equipment, building etc.) in the proposed substation as well i.e. applicable for "B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION" since proposed substation is within 60kM from coast.	The provisions of A.16.0 are applicable to Transmission lines as per RfP.
8.	**RFP Page 145/170 CL.A.17.0** All provisions of clause A.17.0 (a to e)	Please confirm the bidder understanding that all provisions under clause mentioned are applicable in the proposed substation as well i.e. applicable for "B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION" since proposed substation is within 60kM from coast.	The provisions of A.17.0 are applicable to Transmission lines as per RfP.
9.	**RFP Page 145/170 CL.A.17.0** The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6kg/ m2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).	The epoxy coating of reinforcement and bituminous painting of exposed faces of foundations are recommended based on chemical analysis of soil. These recommendations are typically consolidated under soil investigation report. Please confirm, the provisions of mentioned clause will be applicable if recommended by chemical analysis of soil, otherwise this need not to be followed.	The provisions of RfP shall prevail.

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10.	**RFP** Set 3 Clarification dated 27 Feb 2026 Sl.No 4 **RFP** **Clause 1.2** LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon **Clarification** As per BPC Clarification OPGW is not present in the existing line, we understand that TSP Needs to provide OPGW only for the LILO portion. Bidders understanding is correct	We understand that OPGW in the existing line along with the associated equipment at remote end station will be installed by separate TSP and shall not be under scope of work for this project. Additionally, BPC is requested to mention the timeline of completion of installation of OPGW in rest of the line. Bidder understands that in the absence of OPGW, two modes of communication (PLCC and FOTE) can't be established and charging of the line shall be allowed with availability of PLCC only. Please confirm.	The timeline of completion of installation of OPGW in rest of the line are not available at present. Further, regarding in the absence of OPGW, bidders understanding mentioned is correct.
11.	**RFP** Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM Clause A.16.0.b specifies "Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design"	It is understood that the importance factor K4 for cyclonic region is derived from IS 875 (Part 3):2015 which is yet not part of IS 802: (Part -1/Sec-1). Also, IS 875 (Part 3):2015 specifies loads applicable for structures while IS 802: (Part - 1/Sec-1):2015 specifies loads applicable for tower design that is inclusive of load on structure as well as conductor loads. Based on above BPC is requested to confirm whether the specified K4 factor of 1.3 is applicable for: 1. Tower structure body wind calculation only and not to Conductor/EW/Insulator 2. Applicable to overall tower design i.e. Tower body/conductor/EW/insulator.	Please refer to reply at SL No 5 & 6
12.	**RFP**	As per IS 802 (Part-1, Sec- 1):2015, Suspension tower is required to be designed for Narrow front	As per the RfP, the relevant provisions of the standards shall be applicable.

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	Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM Clause A.16.0.b specifies "Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design"	wind loading where a factor of 1.5 is applied to basic wind speed. BPC is requested to confirm whether, the factor 1.3 is required to be multiplied in addition to the factor of 1.5 in case of Narrow front wind loading.	
13.	**RFP** Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM Clause A.16.0.a Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains	It is understood from the specified clause that terrain category is to be decided based on actual terrain and accordingly terrain roughness coefficient is to be considered as per IS 802 (Part 1/Sec 1)	The bidders understanding is correct
14.	**RFP** Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM A.17.0 Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable: a) The fabricated tower parts and stubs…… b) Ready mix concrete of M30 Grade……. c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of	We understand that if the transmission line passes through a cyclone-prone area, but the soil is non-aggressive, bituminous painting on foundation surfaces in contact with soil is not required. Accordingly, our understanding is that bituminous painting is not required on foundation surfaces in contact with non-aggressive soil but should be applied on foundation surfaces exposed above ground level in the coastal areas. We request confirmation of this interpretation. Kindly confirm.	The provisions of RfP shall prevail

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	minimum 1.6 kg/m2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab). d) Double coat 20 mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300 mm below ground level to give protection to concrete surface from environmental and saline effect. e) Before coping of chimney top portion,……..		
15.	Clarification document issued by BPC and Survey Report	It is gathered from site that, the route alignment of under construction 400 kV Jejuri Hinjewadi Line of M/s Tata Projects is different from the route shown in BPC Survey report of subject line. In view of above, it is requested to provide the actual route for 400 kV Jejuri Hinjewadi Line so as to avoid infringement with the LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In & Out).	The details in the survey report are based on the data available at the time of survey. Bidder may conduct its own due diligence to estimate the details.
16.	**Sl. no. 5 to Set 2 Clarification Kandalgaon dated 04th Feb'26 issued by BPC** BPC has mentioned that the tapping point for 765 kV LILO of Pune III – Satara is tentative and also bidder is to conduct their own due diligence for the same.	BPC needs to understand that for a non-existent transmission line (765 kV Pune III – Satara), proper due diligence can neither be done nor can it suffice the requirements for the cost estimation of the bid.	It is clarified that LILO of Pune-III – Karjat-II(M)/Pune (GIS) 765kV D/c line at Satara S/s, shall result in creation of Satara – Pune-III 765kV D/c line. The location of the S/S at Pune III has been identified and developed under ISTS scheme. The tapping point for the LILO in the present scope shown in the survey report is near to Pune-III Substation. Bidder is to conduct their own due diligence for the same.
17.	**Amendment No. 02 dated 04.02.2026 to the RFP documents** Sr. no.1	We understood that the space required for PAC panel and auxiliaries shall be provided by existing utility in MSETCL GIS building. Kindly confirm Kindly specify the line termination details. Whether line is ter[illegible]able or GIB.	The Project is under tenderization and the details of GIS Make, SLD could be provided after finalization of the scheme. The earlier clarification in this regard shall remain unchanged.

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		Kindly share the location for proposed 220kV GIS at existing Kandalgaon substation. Kindly share the following details related to 220kV GIS • 220kV GIS make • whether GIS extension module is available 3.220kV GIS SLD and layout	

18.	**Survey report** The kml file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. At present OPGW is not provided on 400 kV Dabhol – Nagothane line.	We understand that the supply and services of OPGW for the existing 400 kV Dabhol–Nagothane line fall under the Line Owner's scope. Accordingly, we shall consider the OPGW supply and services scope up to the Tapping point given by BPC Survey. Please confirm.	Bidders understanding is correct.
19.	**RFP 170/170** 1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at each end after LILO.	Kindly confirm whether the existing PLCC + DTPC at the remote end can be utilized and shifted to the proposed Kandalgaon substation to complete the Kandalgaon–Dabhol line. New PLCC + DTPC can be considered at both ends of the proposed andalgaon– Nagothane line.	Please refer to reply at Sl No 10, further, the successful bidder shall coordinate with existing utility at the time of execution.
20.	**Clarification dated 28.01.2026 Response Sr. No. 196** **Please reply to Sl No 183**	Reply reference to Sr. No 183 for clarification asked for point no. 196 is not clear. We are considering the Bus coupler and not the bus Sectionaliser, please confirm	The scope of the scheme as per the RfP and amendments to it shall prevail.
21.	**Clarification dated 28.01.2026 Response Sr. No. 195** Two no of 400kV ICT bays for 400/220 kV ICTs would be met as below (i) One from (4 nos of ICT-Tie-Line) (ii) One from (ICT-Tie-Future space for line) The configuration of the switching scheme is indicative and the bidder may optimize the BOQ, provided the requirements and scope of the RfP are fully met.	As per the diameter configuration mentioned on page 149 of 170 of RFP, the number of ICTs indicated is three (3) present plus one (1) future at 765 kV, and two (2) present plus one (1) future at 220 kV. Accordingly, the total number of 400 kV ICTs shall be the sum of the above, i.e., seven (7) numbers. Please confirm. Please confirm the same, as the diameter configuration for 400 kV appears to be changing.	Please refer to reply at Sl No 194 of Set-1 Clarification

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22.	**Clarification dated 04.02.2026 Response Note** The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation	Request to provide 220kV GIS bay Layout and Make of GIS	Please refer to reply at Sl No 1 of Set-2 Clarification
23.	**Clarification Response Sr. No. 181** **Survey report**	Clarification and confirmation on soil strata, soil investigation report	BPC undertakes a preliminary survey. Soil investigation is under the scope of TSP.
24.	**Clarification Response Sr. No. 182** **Survey report**	Contour data of the plot to identify if any cutting or filling.	BPC undertakes a preliminary survey of the substation land, Contour data is not available at this stage.
25.	**RFP 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	The 400kV and 220kV transmission line falls completely within the coastal region but the 765kV region falls partially in the coastal region and partially in the non-coastal region. As per the shared survey report, please confirm the towers which fall in the coastal region of the 765kV voltage line.	The route of the transmission corridor shown in the survey report is indicative. Bidder may conduct its own due diligence to estimate the details.
26.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	The IS 875 code mentions K3 and K4 factors in the wind speed calculations which are not referenced in the IS 802 code. Please confirm the formula to be considered for evaluating the wind pressure. Vd=VR*K1*K2*K4 (As per IS 802) Pd=0.6*Vd*Vd Pz=Pd*Ka*Kd*Kc (As per IS 875) Based on the Pz calculated above, all other clauses of IS 802 shall apply for gust factor, over strength factor, etc.	The bidder should refer to relevant provisions of IS 875 and IS 802 to derive the tower design.
27.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	To take care of cyclonic wind loading, design of towers in coastal areas shall be carried out considering design wind speed based on multiplying an additional factor K4 = 1.3 to the reference wind speed. The increased wind pressure so calculated, shall be applied to Tower structure only and normal wind as per IS:802 shall be applied on Conductor/Earthwire/OPGW/ Insulator. sions for Narrow front	The provisions of A.16.0 are applicable to Transmission lines as per RfP. As per RfP, the design of Transmission Tower should be done as per the relevant IS standards.

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		wind loading condition shall remain as per IS:802 and no any additional coastal factor shall be considered.	
28.	**RFP Page 144/170 CL.A.16.0** Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.	Please confirm the bidder understanding that K4 factor to be considered for all structures (Tower, equipment, building etc.) in the proposed substation as well i.e. applicable for "B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION" since proposed substation is within 60kM from coast.	The provisions of A.16.0 are applicable to Transmission lines as per RfP.
29.	**RFP Page 145/170 CL.A.17.0** All provisions of clause A.17.0 (a to e)	Please confirm the bidder understanding that all provisions under clause mentioned are applicable in the proposed substation as well i.e. applicable for "B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION" since proposed substation is within 60kM from coast.	The provisions of A.17.0 are applicable to Transmission lines as per RfP.
30.	**RFP Page 145/170 CL.A.17.0** The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6kg/ m2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).	The epoxy coating of reinforcement and bituminous painting of exposed faces of foundations are recommended based on chemical analysis of soil. These recommendations are typically consolidated under soil investigation report. Please confirm, the provisions of mentioned clause will be applicable if recommended by chemical analysis of soil, otherwise this need not to be followed.	The provisions of RfP shall prevail.
31.	**Survey Report**	As per the preliminary due diligence 765kV D/c Transmission line route is passing through the proposed Velhe-Mulshi conservation reserve. Request you to update the survey report accordingly	The route alignment has been prepared after preliminary survey. The line crossings for wild life and Reserve Forest in the survey report have been ascertained in Parivesh Portal of MoEFCC.
32.	**Survey Report**	Kindly confirm the LILO tapping point as indicated in the survey report is fixed and bidders need to coordinate with the TSP to mutually finalise the tapping point post winning the bid	The LILO tapping points shown in the survey reports are tentative in nature. Further, the Bidders are advised to conduct their own due Diligence.

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33.	**Amendment No. 01 dated 28.01.2026 to the RFP documents** Clause No A.9.0 (v) However, the phase spacing for 220 kV D/C Line shall be not less than 5.0 m	As per the latest amendment Minimum phase to phase spacing for 220kV is mentioned as 5m, whereas as per clause 7.3.1 of IS 5613 Part 2/ Sec1, minimum phase to phase for 220kV is mentioned as 4.9 m. As per Indian standard and industry practice, towers are already tested with phase of phase spacing as per IS standard. Kindly allow bidders to use already tested tower with phase-to-phase clearances as per IS standard for the subject bid.	Please refer to reply at Sl No 108 of Set-1 Clarification
34.	**BPC Set 1_ Clarification dated 28th Jan 2026** **Sl. no. 174** The LILO portion Conductor shall be compatible with existing line i.e. 400 kV D/C line from Dabhol to Nagothane. **Sl. no. 192** The kmz file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. Type: AAAC Morculla, Size: 560 Sqmm, Quad Bundled Conductor. Total Line Length: 64 kM	As per the clarifications It is mentioned in Sl. no 174, "The LILO portion Conductor shall be compatible with existing line i.e. 400 kV D/C line from Dabhol to Nagothane." Further as per Sl. no 192 it is mentioned "The kmz file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. Type: AAAC Morculla, Size: 560 Sqmm, Quad Bundled Conductor. Total Line Length: 64 kM" However as per RFP A.7.0 (b) For all 400 kV lines under present scope the conductor configuration specified for the LILO of the 400 kV D/C Dabhol–Nagathone line to 765 kV AIS Kandalgaon line is Quad bundle ACSR/AAAC/AL-59 Moose conductor. BPC is requested to clarify if Moose equivalent conductor in the RFP shall be	As clarified at Sl. no. 174 to Set-2 Clarification, the LILO portion Conductor shall be compatible with existing line i.e. 400 kV D/C line from Dabhol to Nagothane. **Kindly refer to Amendment No- 3.**

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		considered or AAAC Morculla conductor shall be considered for "LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon". If AAAC Morculla shall be considered then BPC is requested to share the conductor details for AAAC Morculla such as min diameter, area, UTS, Min DC resistance etc for the the existing 400 kV D/C line from Dabhol to Nagothane . Also, BPC is requested to clarify if Moculla equivalent ACSR or AL59 conductor can be used for "LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon". If yes, BPC is requested to share the conductor's specifications for the equivalent conductors.	
35.	**RFP & Set 1 Clarification Sl. No 192 and BPC clarification dated 28th Jan 2026** **Clause 1.2** LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	The kmz file of the transmission line along with location of tapping point has been shared to the bidders as a part of the survey report. Type: AAAC Morculla, Size: 560 Sqmm, Quad Bundled Conductor. Total Line Length: 64 kM OPGW is Not available for this line. **BPC Response dated 28th Jan 2026** As per BPC Clarification OPGW Is not present in the existing line, we understand that TSP Needs to provide OPGW only for the LILO portion.	Earlier clarification in this regard shall prevail.
36.	**Survey Report** **Set 3 Clarifications at Sl no 5**	1 BPC is requested to provide the proposed route in KMZ format for the LILO of the Pune-III – Karjat-II (M)/Pune (GIS) 765 kV D/c line at	It is clarified that LILO of Pune-III – Karjat-II(M)/Pune (GIS) 765kV D/c line at Satara S/s, shall result in creation of Satara – Pune-III 765kV D/c line. The location of the S/S at Pune III has

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	In continuation to the reply at Sl No 5 of Set-2 clarification, it may be clarified that LILO of Pune-III – Karjat- II(M)/Pune (GIS) 765kV D/c line at Satara S/s, shall result in creation of Satara – Pune-III 765kV D/c line. The location of the S/S at Pune III has been identified and developed under ISTS scheme. The tapping point for the LILO in the present scope shown in the survey report is near to Pune-III Substation. It is reiterated that the tapping points shown in the survey reports are tentative in nature. Further, the Bidders are advised to conduct their own due Diligence.	Satara Substation, as well as for the Satara – Pune-III 765 kV D/c line. 2 It would be beneficial for bidders if BPC could also indicate the approximate route length or specify the area from which the tapping point should be considered from Pune-III.	been identified and developed under ISTS scheme. The tapping point for the LILO in the present scope shown in the survey report is near to Pune-III Substation. Bidder are requested to conduct their own due diligence for the same.
37.	**Amendment No. 02 dated 04.02.2026 to the RFP documents** **Sl. no. 1** "220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos" Note: 1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation) a) 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)	As per amendment at Khandalgaon (Existing S/s) GIS Bays are included, it is also mentioned that existing AIS Substation is being upgraded to GIS hence a) we understand that, Space in GIS Hall for accommodation of present bays is available kindly confirm. b) Further please also provide location of GIS Hall so that we can estimate out door bus duct.	Earlier clarification in this regard shall prevail.
38.	**Amendment No. 02 dated 04.02.2026 to the RFP documents** **Sl. no. 1** "220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos"	Please also provide following drawings for 220kV Khandalgaon(existing) S/s indication details of GIS: - 1. Proposed SLD including present scope 2. Proposed General arrangement indicating present scope 3. Proposed Electrical layout plan and section drawing 4. GIS Gas SLD 5. Bus Ba drawing	The Project is under tenderization and the details could be provided after finalization of the scheme. Earlier clarification in this regard shall prevail.

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	Note: 1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Timeline for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation) a) 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)	6. Proposed Earthmat Layout 7. Structure layout plan and section 8. Control room building layout 9. Cable trench layout 10. Proposed SAS Make Model and SAS Architecture & Bus Bar Protection 11. Proposed Bus Bar configuration	
39.	**Set 2 Clarification Kandalgaon dated 04th Feb'26 issued by BPC** BPC reply in Sl. no. 5 against Tata Power's pre-bid query (dated 30th Feb'26 Sl. No. 2 vide letter no. T&D/BD/DOM/FY26/PFCCL/Kandalgaon/ 103) "Survey Report"	As per the clarification, BPC has mentioned that the tapping point for 765 kV LILO of Pune III – Satara is tentative and also bidder is to conduct their own due diligence for the same. BPC needs to understand that for a non- existent transmission line (765 kV Pune III – Satara), proper due diligence can neither be done nor can it suffice the requirements for the cost estimation of the bid. **Suggested text for the amendment** Hence, we request BPC to fix the tapping point co-ordinates of the 765 kV LILO line under Kandalgaon project for all the bidders to ensure a level- playing field with a condition that any deviation in the tapping point, which will impact the bid estimation, will be covered under the clause of Change in Law.	Reply at Sl No 36
40.	**Amendment No. 02 dated 04.02.2026 to the RFP documents** Sr. no.1	We understood that the space required for PAC panel and auxiliaries shall be provided by existing utility in MSETCL GIS building. Kindly confirm Kindly specify the line termination details. whether line is terminated through Cable or GIB. Kindly share the location for proposed 220kV GIS at existing Kandalgaon substation.	The location for proposed 220kV GIS is within same premises of existing 220 kV Kandalgaon S/Stn. Earlier clarification in this regard shall prevail.

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		Kindly share the following details related to 220kV GIS • 220kV GIS make • whether GIS extension module is available 3.220kV GIS SLD and layout	

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Set-5 Clarification to RfP documents for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

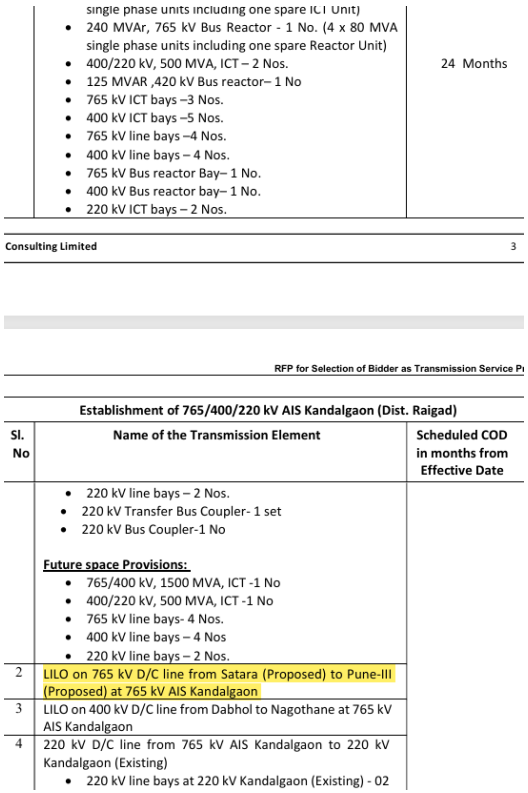
Sr. No.	Name of the documents, Clause No. and Existing provision Amendment / Previous Clarification	Clarification needed Suggested	Suggested text for the amendment
1	**(Set-4)** **Clarification dated 01.04.2026**	Confirmation of the tapping point of the 765 kV LILO line or the proposed location of the Pune III Substation, to enable bidders to accurately assess the length of the 765 kV transmission line.	The available information has already been shared through the clarifications issued to bidders in Set-2, Set-3 & Set-4.
2	**(Set-4)** **Clarification dated 01.04.2026**	Single Line Diagram (SLD) and layout of the existing Kandalgaon Substation. This information is essential for evaluating execution risks and associated costs, particularly in light of the configuration change from AIS to GIS.	Details are not available
3	**(Set-4)** **Clarification dated 01.04.2026**	Clarification regarding O&M charges: The project scope includes the construction of two (2) 220 kV GIS line bays at the existing Kandalgaon Substation. In this regard, kindly confirm the responsibility for operation and maintenance of these bays, along with any applicable charges.	Please refer to reply at Sl No 98 of Set-1 Clarification
4	**RFP** Sl. 11 Clarification Set 4 dtd 01 April 2026 Clause A.16.0.b specifies "Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design" **Query:** It is understood that the important factor K4 for cyclonic region is derived from IS 875 (Part 3):2015 which is yet not part of IS 802: (Part -1/Sec-1). Also, IS 875 (Part 3):2015 specifies loads applicable for structures while IS 802: (Part - 1/Sec-1):2015 specifies loads applicable for tower design that is inclusive of load on structure as well as conductor loads. Based on above BPC is requested to confirm whether the specified K4 factor of 1.3 is applicable for: 1. Tower structure body wind calculation only and not to Conductor/EW/Insulator 2. Applicable to overall tower design i.e. Tower body/conductor/EW/insulator.	As per response received from BPC on similar query in interstate bids and current industry practice in coastal regions, K4 factor is considered for calculating wind load on tower structure only (not on conductor/EW/Insulator) and accordingly towers were tested and executed in recent projects BPC is requested to allow bidders to use of same design philosophy (with K4 factor considered for wind of tower only and not on conductor/EW/ Insulator) for new designs and allow use of already tested towers designed with same design philosophy **Rationale for the Clarification or Amendment** Bidder needs the information for proper estimation	Bidder's understanding is correct.

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	BPC Response received: The bidder should refer to relevant provisions of IS 875 and IS 802 to derive the tower design The provisions of A.16.0 are applicable to Transmission lines as per RfP. As per RfP, the design of Transmission Tower should be done as per the relevant IS standards.		
5	**RFP** Sl. 12 Clarification Set 4 dtd 01 April 2026 Clause A.16.0.b specifies "Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design" **Query:** As per IS 802 (Part-1, Sec- 1):2015, Suspension tower is required to be designed for Narrow front wind loading where a factor of 1.5 is applied to basic wind speed. BPC is requested to confirm whether, the factor 1.3 is required to be multiplied in addition to the factor of 1.5 in case of Narrow front wind loading. **Clarification provided:** As per the RfP, the relevant provisions of the standards shall be applicable.	As per response received from BPC on similar query in interstate bids and current industry practice in coastal regions, K4 factor is not required to be applied for Narrow front wind loading for Suspension tower and in line with this tower were tested and executed in recent projects. BPC is requested to allow bidders to use of same design philosophy (where Narrow front wind is considered with a factor of 1.5 as per IS 802 (Part-1, Sec- 1):2015 and not considering an additional factor of 1.3 due to K4) for new designs and allow use of already tested towers designed with same design philosophy. **Rationale for the Clarification or Amendment** Bidder needs the information for proper estimation	K-4 factor is required to be considered for all types of Towers passing through coastal region.
6	**RFP** Sl 34 Clarification Set 4 01 April 2026 As clarified at Sl. no. 174 to Set-2 Clarification, the LILO portion Conductor shall be compatible with existing line i.e. 400 kV D/C line from Dabhol to Nagothane. Kindly refer to Amendment No- 3.	BPC is requested to share the conductor details for AAAC Morculla such as min diameter, area, UTS, Min DC resistance etc for the existing 400 kV D/C line from Dabhol to Nagothane . Also, BPC is requested to clarify if Moculla equivalent ACSR or AL59 conductor can be used for "LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon". If yes, BPC is requested to share the conductor's specifications for the equivalent conductors too. BPC requested to share Amendment No-03 also. **Rationale for the Clarification or Amendment** Bidder needs the information for proper estimation	The Provisions of RfP shall prevail

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Set-6 Clarification to RfP bids for Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)

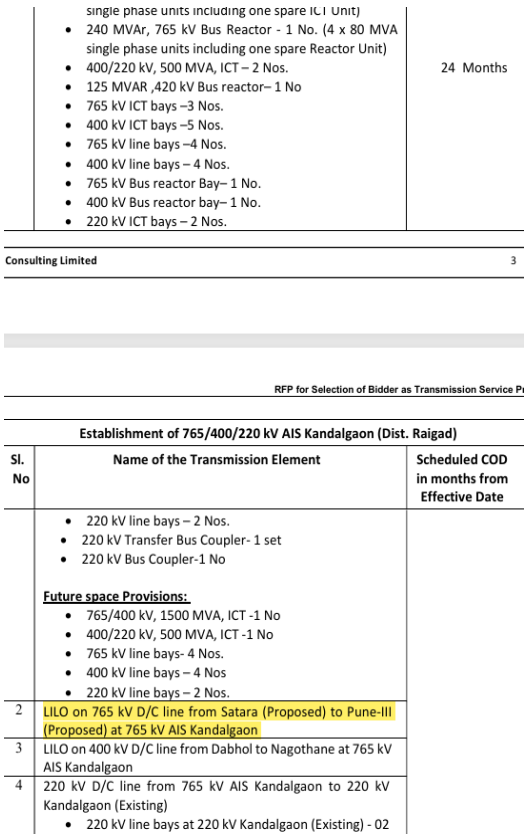
Sl. No.	Name of the document	Clause No. and Existing provision	Clarification required	Reply
1	**RfP TSA Various Clauses, Schedules and Articles SCOD - 24 Months from effective date**		As per the scope of the instant project, 765kV D/c line from Satara (Proposed) to Pune-III (Proposed) is to be LILO'ed at 765kV AIS Kandalgaon in a time frame of 24 months from effective date of this project. The expected ScoD of this project works out to June'28. However, a separate ISTS project namely "*Network Expansion scheme in Western Region to cater to pumped storage potential near Satara (up to 4500MW)-Part A"* has been floated by BPC PFCCL on 01st May 2026. This scope of the said ISTS project contains the "*LILO of Pune-III – Pune (East) 765 kV D/C line at Satara*" thereby forming 765kV Pune-III to 765 Satara line. The implementation time period of *"LILO of Pune-III – Pune (East) 765 kV D/C line at Satara"* as per the RfP is 31/03/2029 (subject to minimum implementation schedule of 30 months). Hence, considering the ongoing bidding of Satara project may take a further 3-4 months, the Pune-III to Satara line shall be established only after a period of about 33-34 months i.e. Mar'29 which shall be about 9-10 months beyond the expected SCoD of subject Kandalgaon project. In view of the above mismatch in timelines between two projects, the following may be clarif	The main 765kV line between 765kV Pune III to 756 kV Narendra is currently under construction. This line is proposed to be Loop In & Loop Out at 765 kV Satara Substation, thereby forming the line section between Satara - Narendra and Satara - Pune III . Further, for Kandalgaon substation, Satara to Pune III line is proposed to be LILOed at 765 kV Kandalgaon S/s. Satara substation poses no constraint for construction of the proposed LILO section at 765 kV Kandalgaon S/s. Accordingly LILO can be constructed on Pune III – Narendra line, which is also under construction. The LILO point may be identified based on tentative location of Satara substation.

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			1. The timelines and/or scope of the subject project may be reviewed and suitably revised to ensure feasibility of execution within the stipulated schedule. 2. In the event that no revision is made to the schedule of the subject project, and considering that all elements of the Kandalgaon project are required to be commissioned simultaneously, it is understood that, due to the non-availability of the Pune-III to Satara line, the TSP may declare deemed CoD for the Kandalgaon project, with tariff becoming applicable from the deemed CoD . The bidder can provide the realistic tariff bid.	

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Set-7 Clarification to RfP bids for Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)

Sl. No.	Name of the document	Clause No. and Existing provision	Clarification required	Reply
1	**RfP TSA Various Clauses, Schedules and Articles SCOD - 24 Months from effective date**	 single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. — 24 Months • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. Consulting Limited 3 RFP for Selection of Bidder as Transmission Service Pr Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad) Sl. No — Name of the Transmission Element — Scheduled COD in months from Effective Date • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No Future space Provisions: • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos. 2 — LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon 3 — LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon 4 — 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02	As per the scope of the instant project, 765kV D/c line from Satara (Proposed) to Pune-III (Proposed) is to be LILO'ed at 765kV AIS Kandalgaon in a time frame of 24 months from effective date of this project. The expected ScoD of this project works out to June'28. However, a separate ISTS project namely "*Network Expansion scheme in Western Region to cater to pumped storage potential near Satara (up to 4500MW)-Part A*" has been floated by BPC PFCCL on 01st May 2026. This scope of the said ISTS project contains the "*LILO of Pune-III – Pune (East) 765 kV D/C line at Satara*" thereby forming 765kV Pune-III to 765 Satara line. The implementation time period of *"LILO of Pune-III – Pune (East) 765 kV D/C line at Satara"* as per the RfP is 31/03/2029 (subject to minimum implementation schedule of 30 months). Hence, considering the ongoing bidding of Satara project may take a further 3-4 months, the Pune-III to Satara line shall be established only after a period of about 33-34 months i.e. Mar'29 which shall be about 9-10 months beyond the expected SCoD of subject Kandalgaon project. In view of the above mismatch in timelines between two projects, the following may be clarif	The main 765kV line between 765kV Shikrapur to 756 kV Pune III is currently under construction. This line is proposed to be Loop In & Loop Out at 765 kV Pune East Substation, thereby forming the line section between Shikrapur – Pune East and Pune East - Pune III. The line Pune East – Pune III is proposed to be Loop In & Loop Out at 765 kV Satara Substation, thereby forming the line section between Satara – Pune East and Satara - Pune III. Further, for Kandalgaon substation, Satara to Pune III line is proposed to be LILOed at 765 kV Kandalgaon S/s. Satara substation poses no constraint for construction of the proposed LILO section at 765 kV Kandalgaon S/s. Accordingly LILO can be constructed on 765 kV Shikrapur – 765kV Pune III line, which is also under construction. The LILO point may be identified based on tentative location of Satara substation.

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			1. The timelines and/or scope of the subject project may be reviewed and suitably revised to ensure feasibility of execution within the stipulated schedule. 2. In the event that no revision is made to the schedule of the subject project, and considering that all elements of the Kandalgaon project are required to be commissioned simultaneously, it is understood that, due to the non-availability of the Pune-III to Satara line, the TSP may declare deemed CoD for the Kandalgaon project, with tariff becoming applicable from the deemed CoD .	
2	Clarification Set 5	Sl. 5 Clarification Set 5 Clause A.16.0.b specifies "Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design" Query: As per response received from BPC on similar query in interstate bids and current industry practice in coastal regions, K4 factor is not required to be applied for Narrow front wind loading for Suspension tower and in line with this tower were tested and executed in recent projects. BPC is requested to allow bidders to use of same design philosophy	In order to further clarify the point, it is understood that all towers passing through Coastal region shall be designed with an Importance Factor (K4). However as per IS 802 (Part-1, Sec- 1):2015, Additional Narrow Front Wind cases are considered for Suspension towers with a load factor of 1.5 to take care of heavy localized wind forces which mimic the Cyclonic conditions for Coastal regions. Hence it is understood that for these Narrow front wind cases additional K4 factor shall not be applied over and above the 1.5 load factor as specified in IS 802 This philosophy is accepted in the past TBCB bids and also is being followed in industry where	The Earlier clarification(s) issued by BPC shall prevail.

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		(where Narrow front wind is considered with a factor of 1.5 as per IS 802 (Part-1, Sec- 1):2015 and not considering an additional factor of 1.3 due to K4) for new designs and allow use of already tested towers designed with same design philosophy. Clarification provided: K-4 factor is required to be considered for all types of Towers passing through coastal region.	Transmission line is passing through coastal zone.	

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Set-8 Clarification for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sr. No.	Name of the Document	Clause No. and Existing provision	Clarification sought	Reply
1	RFP for Selection of Bidder as Transmission Service Provider	Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM Clause A. 16: Wherever, transmission lines are passing through cyclone prone areas i.e. areas up to 60 km from coast following shall also be applicable: a) Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains. b) Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design c) The number of consecutive spans between the section points/ angle point shall not exceed 10 spans or 3 km instead of conventional practice of 15 spans or 5 km, in order to reduce the failure of such towers in coastal areas due to cascading effect. The section shall be terminated with tension tower/ angle tower and angle of deviation should be based on the site requirement.	As per RFP, wherever transmission lines are passing through areas upto 60km from coastline of India, importance factor K4 shall be considered for tower design. However as per Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, following is mentioned: Clause 4 (e): For design of transmission line structures in eastern coast and Gujarat coast upto 60km from sea coast, importance factor for cyclonic region i.e, K4 factor of 1.3 shall be considered to take care of cyclonic wind condition. From aforesaid CEA Regulations, it is understood that provision of K4 factor pertaining to cyclone prone areas is applicable to Eastern Coast of India & Gujarat Coast and not for western Coasts of India such as Maharashtra coast etc. Hence, as per above mentioned CEA guidelines and as per clarifications received on similar queries on current intra state bids, it is understood that provisions for coastal areas (such as K4 factor and reduction in number of consecutive spans) sidered for transmission line	Bidder's understanding is correct.

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			passing through areas within 60km from Eastern coast & Gujarat Coast only and shall not be considered for Western Coasts of other states (like Maharashtra/ Goa/ Karnataka/ Kerala excluding Gujarat). Wherever, transmission lines are passing through cyclone prone areas i.e. areas up to 60 km from Eastern Coast and Gujarat Coast following shall also be applicable: a) ------	
2	RFP for Selection of Bidder as Transmission Service Provider	Annexure-C: SPECIFIC TECHNICAL REQUIREMENTS OF TRANSMISSION SYSTEM Clause A. 17: Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable: a) The fabricated tower parts and stubs shall have a minimum overall zinc coating of 900 g/m2 of surface area except for plates and sections below 5 mm which shall have a minimum overall zinc coating of 610 g/m2 of surface area. The average zinc coating for all sections and plates 5 mm and above shall be maintained as 127 microns and that for plates and sections below 5 mm shall be maintained as 87 microns. b) Ready mix concrete of M30 Grade shall be used to avoid use of locally available saline water. However, design mix concrete of M3	As per RFP, wherever transmission lines are passing through areas upto 60km from coast, /creek regions/ aggressive soil areas, provisions such as higher zinc coating, M30 grade concrete, Epoxy coated rebars, bituminous paint, anticorrosive paint shall be considered. However as per Clause (l) of Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022 higher mass and thickness of Zinc Coating is mandated for fabricated towers and Stubs only of transmission line passing through 20km of Coastal/Creek areas. Hence, as per above mentioned CEA guidelines, it is understood that provisions for coastal areas as mentioned in clause A17 (a), (b), (c), (d) & (e) shall be considered for transmission line passing through areas within 60km from Eastern coast & Gujarat which in line with CEA	Provisions of RfP shall prevail.

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		Grade conforming to IS 456 with potable water can be used at locations where transportation of ready-mix concrete is not feasible. Minimum cement content in any case shall not be less than 330 kg/m3. c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6 kg/m2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab). d) Double coat 20 mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300 mm below ground level to give protection to concrete surface from environmental and saline effect. e) Before coping of chimney top portion, three coats of anti-corrosive paint of minimum 30-35 microns dry film thickness each shall be applied on the stub in the 50 mm coping portion as well as up to 350 mm above CL portion.	regulations and for Western Coasts of other states (like Maharashtra/ Goa/ Karnataka/ Kerala excluding Gujarat) as per Clause (l) of Chapter V, Part A of CEA Regulations 2022, higher mass and thickness of zinc coating shall be considered for areas within 20km from coastline. However, it is also understood that provisions as mentioned in clause A17 (a), (b), (c), (d) & (e) shall be considered for aggressive soils of all areas irrespective of distance from any coastline. Kindly confirm if bidder understanding is correct.	
3	**Set-6 Clarification** dated 20.05.2026 to RfP bids for Establishment	The main 765kV line between 765kV Pune III to 756 kV Narendra is currently under construction. This line is proposed to be Loop In & Loop Out at 765 kV Satara Substation, thereby forming the line section between Satara - Narendra and Satara - Pune III.	As per the RfP document, the 765 kV D/c line from Satara (Proposed) to Pune-III (Proposed) is to be LILOed at the 765 kV AIS Kandalgaon. Post LILO, the resulting line sections would be Satara–Kandalgaon and dalgaon.	1) 765 kV Kandalgaon Substation Connectivity involves LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon. Please note that the Satara – Pune-IIi line is part of 765 kV

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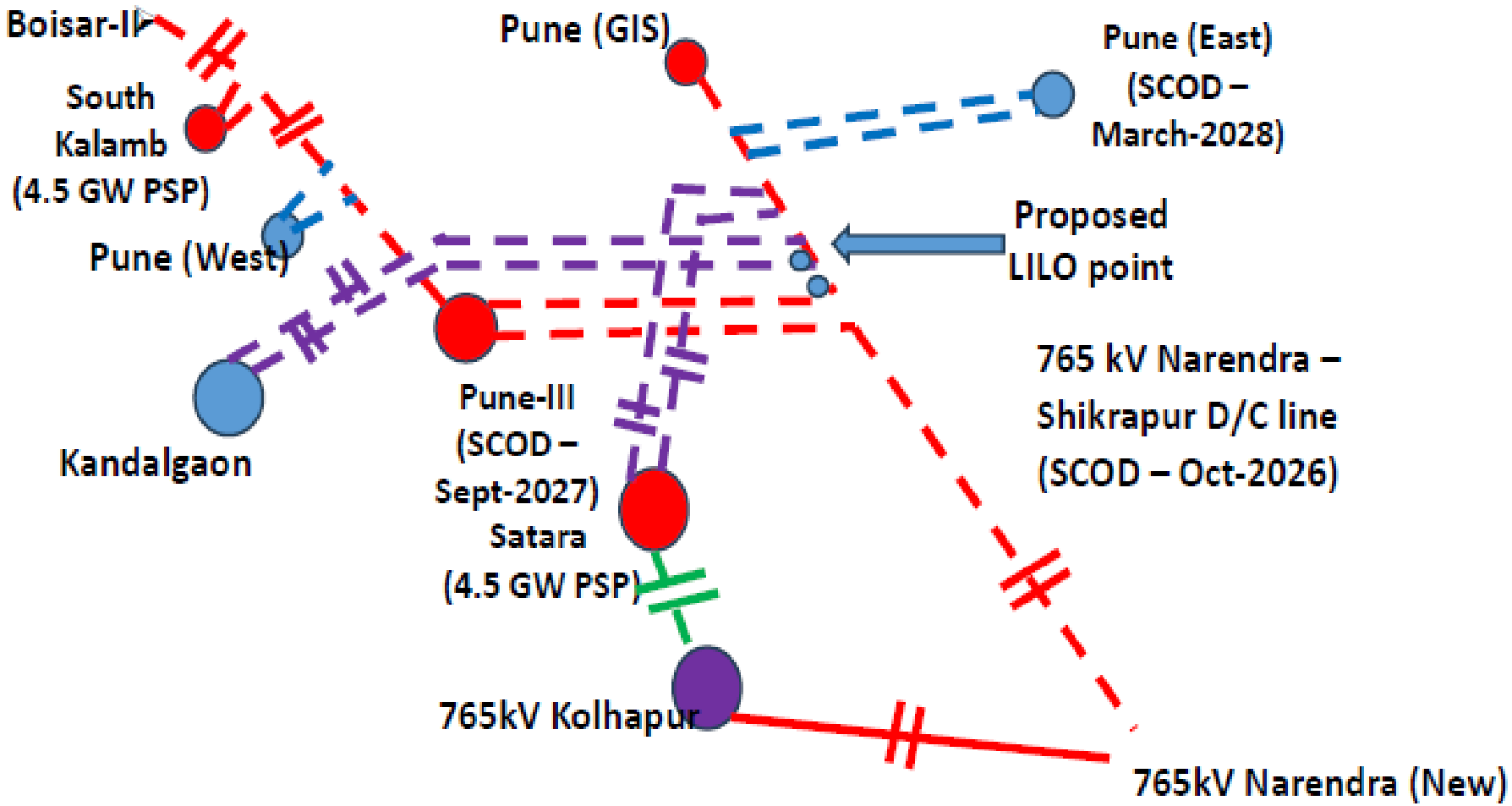
	of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)	Further, for Kandalgaon substation, Satara to Pune III line is proposed to be LILOed at 765 kV Kandalgaon S/s. Satara substation poses no constraint for construction of the proposed LILO section at 765 kV Kandalgaon S/s. Accordingly LILO can be constructed on Pune III – Narendra line, which is also under construction. The LILO point may be identified based on tentative location of Satara substation.	As per the Set-6 clarification issued on 20.05.2026 by PFCCL, it has been clarified that due to mismatch in timeline of coming-up of Satara sub-station, the LILO can instead be carried out on the Pune-III–Narendra line at Kandalgaon. In this case, the sections formed after LILO would be Pune-III–Kandalgaon and Narendra–Kandalgaon. It may be noted that the sections formed in this scenario would differ from those specified in the RfP, which may lead to potential issues in obtaining charging clearance and other necessary approvals. In light of the above, scope of work of the subject project should also be amended in line with clarification issued on 20.05.2026. Above is required to avoid complications during execution and operation of assets etc. **Rationale for the Clarification or Amendment** To avoid ambiguity in scope of works of the project and avoid post award issues.	Narendra – Pune (GIS) D/C line which is under construction. Progress of the line is as given below. a) Foundation – 745 nos. b) Tower Erected – 642 nos. c) Stringing completed – 198.46 km d) Anticipated COD – 31.10.2026 2) Following is clarified regarding LILO point; a) The 765 kV Shikrapur–Narendra transmission line is presently under construction (SCOD – Oct-2026). This line is proposed to be looped in and looped out (LILO) at the Pune-III Substation, thereby creating two sections, namely: i. Shikrapur–Pune-III ii. Pune-III–Narendra b) Further, the section of 765 kV Shikrapur – Pune-III line is proposed to be looped in and looped out (LILO) at the Pune (East) Substation, thereby creating two sections, namely: i. Shikrapur–Pune East ii. Pune East–Pune-III c) Further, the section of 765 kV Pune East–Pune-III line will be LILOed at the Satara Substation, resulting in the following sections: i. Pune East–Satara

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				ii. Satara–Pune-III d) Subsequently, the section of 765 kV Satara–Pune-III line will be LILOed at the proposed Kandalgaon Substation. Hence, the LILO point will be in between LILO point for Satara S/s and LILO point for Pune-III S/s. e) Hence, the LILO portion associated with the Kandalgaon Substation can be constructed on the main trunk line, i.e., the Shikrapur–Narendra transmission line, which is already under implementation (SCOD-Oct-2026). The tentative LILO location for Kandalgaon has also been identified by the Bid Process Coordinator. It is may also be mentioned that the Pune –Satara LILO is being developed under ISTS scheme with scheduled SCOD as 31.03.2029. However the details of the LILO would be available once the bidding process is completed by BPC. **SLD** for **LILO point** is attached at **Annexure-A:**

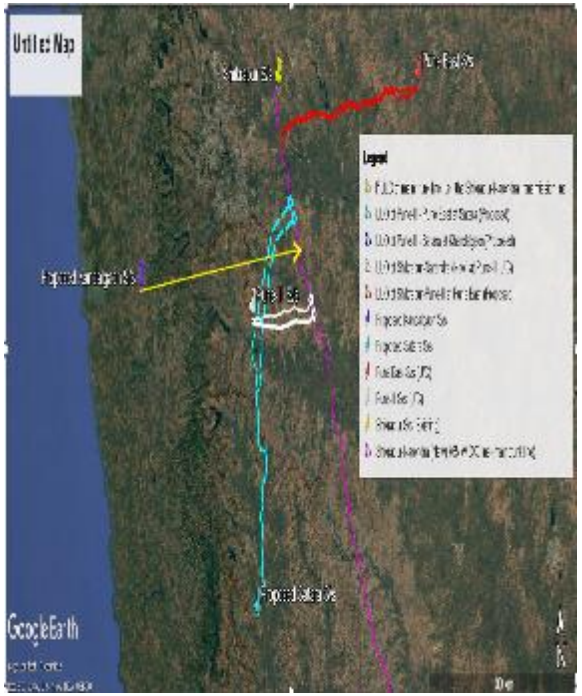
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- SLD for LILO point:

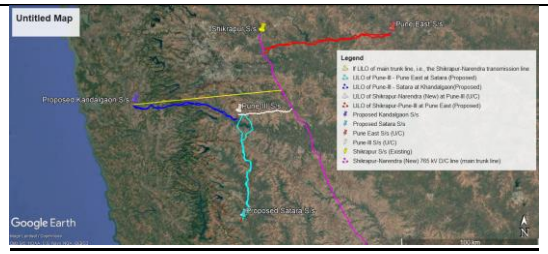


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Set-9 clarification to RfP of intrastate transmission project "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Sl. No.	Name of the Document	Clause No. and Existing provision	Clarification needed on	Reply
1	**Clarification of Set-8 dtd 05 June 2026 for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" Response Sl No-3**	Point no 3 (e) Hence, the LILO portion associated with the Kandalgaon Substation can be constructed on the main trunk line, i.e., the Shikrapur–Narendra transmission line, which is already under implementation (SCOD-Oct 2026). The tentative LILO location for Kandalgaon has also been identified by the Bid Process Coordinator.	Considering LILO of 765 kV D/C line Pune-III to Satara at Kandalgaon LILOed to main trunk line i.e., the Shikrapur (Pune – Narendra transmission line, as per various clarifications and LILO point of Pune East to Pune-III at Satara, shown in the BPC survey report of **"Network Expansion scheme in Western Region to cater to pumped storage potential near Satara (up to 4500MW)-Part A"** then resulting in the following sections: - Pune East to Kandalgaon - Satara to Kandalgaon Which will not comply the RFP scope of work, Sl No-2 "LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon" under the scheme **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** BPC is requested to share the revise survey report with coordinates of Tapping points for **"LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon"** **<u>Snapshot of Elements as shown in below image and separately attached for reference.</u>**	The corrected image is attached herewith which is self-explanatory. (Please refer below for clear image) 

TRUE COPY

Untitled Map
Shikrapur S/s
Pune East S/s
Proposed Kandalgaon S/s
Pune-III S/s
Proposed Satara S/s
Legend
If LILO of main trunk line, i.e., the Shikrapur-Narendra transmission line
LILO of Pune-III - Pune East at Satara (Proposed)
LILO of Pune-III - Satara at Khandalgaon(Proposed)
LILO of Shikrapur-Narendra (New) at Pune-III (U/C)
LILO of Shikrapur-Pune-III at Pune East (Proposed)
Proposed Kandalgaon S/s
Proposed Satara S/s
Pune East S/s (U/C)
Pune-III S/s (U/C)
Shikrapur S/s (Existing)
Shikrapur-Narendra (New) 765 kV D/C line (main trunk line)
Google Earth
Image Landsat / Copernicus
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
N
100 km
TRUE COPY

PFC CONSULTING LTD.

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्णतःस्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Ref. No. 01/25-26/ITP-112/RfP **November 10, 2025**

To,
Secretary,
Maharashtra Electricity Regulatory Commission,
World Trade Centre, Centre No.1,
13th Floor, Cuffe Parade,
Mumbai-400005

Subject: Intimation about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" and issuance of RFP Document.

Sir,

The Government of Maharashtra vide its Government Resolution No. Sankirna 0125/P.R.32/Urja-4 dated 03.10.2025 has notified PFC Consulting Limited (PFCCL) as the Bid Process Coordinator (BPC) for selection of bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" in accordance with the Guidelines namely "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging Competition in Development of Transmission Projects" issued by Ministry of Power.

The Request for Proposal (RFP) process was initiated by PFCCL with uploading of RFP Documents in its website 'www.pfcclindia.com' and publication of RfP Notification in the following newspapers on 04.11.2025:

1. Hindustan Times (English) – All Edition
2. Hindustan (Hindi) – All Edition
3. Mint (English) – All Edition
4. Financial Times (English) - All Edition

The RFP Documents are based on the Standard Bidding Documents (SBD) issued by Ministry of Power on August 06, 2021 and project specific inputs received from Maharashtra STU. The last date for submission of Responses to RFP is 06.01.2026.

As per the requirements of the Guidelines (Clause 4.2 of Tariff based Competitive-bidding Guidelines for Transmission Service), we hereby intimate the Commission about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)". We are also enclosing herewith the RFP documents and NIT publication for your kind information, perusal and records please.

Thanking You,

Yours sincerely,

(Sanjay Nayak)
Chief General Manager

Encl.: As Above

TRUE COPY

PFC CONSULTING LTD.

Annexure P/4

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्णतःस्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Ref. No. 01/25-26/ITP-112/RfP **November 10, 2025**

To,
Chairman and Managing Director
Maharashtra State Electricity Transmission Company Limited
Prakashganga, Plot No.C-19, E-Block,
Bandra-Kurla Complex, Bandra (E),
Mumbai - 400051

Subject: Intimation about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" and issuance of RFP Document.

Sir,

The Government of Maharashtra vide its Government Resolution No. Sankirna 0125/P.R.32/Urja-4 dated 03.10.2025 has notified PFC Consulting Limited (PFCCL) as the Bid Process Coordinator (BPC) for selection of bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" in accordance with the Guidelines namely "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging Competition in Development of Transmission Projects" issued by Ministry of Power.

The Request for Proposal (RFP) process was initiated by PFCCL with uploading of RFP Documents in its website 'www.pfcclindia.com' and publication of RfP Notification in the following newspapers on 04.11.2025:

1. Hindustan Times (English) – All Edition
2. Hindustan (Hindi) – All Edition
3. Mint (English) – All Edition
4. Financial Times (English) - All Edition

The RFP Documents are based on the Standard Bidding Documents (SBD) issued by Ministry of Power on August 06, 2021 and project specific inputs received from Maharashtra STU. The last date for submission of Responses to RFP is 06.01.2026.

As per the requirements of the Guidelines (Clause 4.2 of Tariff based Competitive-bidding Guidelines for Transmission Service), we have intimated the Commission about initiation of the bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)". We are also enclosing herewith the RFP documents and NIT publication for your kind information, perusal and records please.

Thanking You,

Yours sincerely,

(Sanjay Nayak)
Chief General Manager

Encl.: As Above

TRUE COPY

Annexure P/5

सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that RAIGAD POWER TRANSMISSION LIMITED is incorporated on this SEVENTEENTH day of NOVEMBER TWO THOUSAND TWENTY FIVE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U42201DL2025GOI458171**

The Permanent Account Number (PAN) of the company is **AAPCR2216P***

The Tax Deduction and Collection Account Number (TAN) of the company is **DELR53782B***

Given under my hand at Manesar this SEVENTEENTH day of NOVEMBER TWO THOUSAND TWENTY FIVE

Document certified by DS MINISTRY OF CORPORATE AFFAIRS , CRC MANESAR 2 <ROC.CRC@MCA.GOV.IN>.

Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS , CRC MANESAR 2
Date: 2025.11.17 11:06:16 IST

Basanagiri Ambedkar

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

RAIGAD POWER TRANSMISSION LIMITED

Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi, Central Delhi- 110001, Delhi

*as issued by Income tax Department

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PFC CONSULTING LTD.

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्णतःस्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Annexure P/6(Colly)

Ref. No. 01/25-26/ITP-112/RfP

November 27, 2025

To,
Additional Chief Secretary (Energy)
Hongkong Bank Building,
3rd and 4th Floor, Mahatma Gandhi Road,
Fort, Mumbai–400001, Maharashtra.
Email: psec.energy@maharashtra.gov.in

Sub: Prior approval of the Govt. for laying of overhead transmission lines under Section 68 of the Electricity Act, 2003 for the Transmission System for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

Madam,

The Government of Maharashtra vide its Government Resolution No. Sankirna 0125/P.R.32/Urja-4 dated 03.10.2025 has notified PFC Consulting Limited (PFCCL) as the Bid Process Coordinator (BPC) for selection of bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" in accordance with the Guidelines namely "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging Competition in Development of Transmission Projects" issued by Ministry of Power. (Copy enclosed at **Annexure- A**).

The bid process for selection of Transmission Service Provider (TSP) for establishing transmission system for "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" has been initiated with the publication of RFP notification on November 04, 2025. A company under the Companies Act 2013 by the name of "RAIGAD POWER TRANSMISSION LIMITED" has been incorporated to initiate the activities for development of the project.

As per clause 1.6.2.1 of Standard RfP, BPC has to obtain approval for laying of overhead transmission lines under Section 68 of Electricity Act, from the State Government at least twenty (20) days prior to Bid Deadline.

It is, therefore, requested that approval for laying of overhead transmission lines under Section 68 of the Electricity Act, 2003 may kindly be granted in respect of the following transmission project in favor of "RAIGAD POWER TRANSMISSION LIMITED" the SPV (who shall own the transmission project and the transmission license shall also be issued in its favour) as per details given below:

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos.	24 Months

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Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
	• 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos	
Note: Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*) a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing) 1. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters		

Thanking you,

Yours Sincerely,

(Sanjay Nayak)
Chief General Manager

Encl. As Above

Copy to:

1. **Chairman and Managing Director,** Maharashtra State Electricity Transmission Company Limited, Prakashganga, Plot No.C-19, E-Block, BKC Complex, Bandra (E), Mumbai – 400051 – *for information*

2. **Chief Engineer (State Transmission Utility),** 4th Floor, Prakashganga, Plot No.C-19, E-Block BKC Complex, Bandra (E), Mumbai – 400051 - *for information*

TRUE COPY

विद्युत अधिनियम, २००३ च्या कलम ६८ अन्वये रायगड पॉवर ट्रान्समिशन लिमिटेड या कंपनीस कांदळगाव, जि.रायगड येथे नवीन पारेषण वाहिन्या उभारण्यासाठी शासनाची पूर्व परवानगी देणेबाबत.

महाराष्ट्र शासन

शासन निर्णय क्रमांक: संकीर्ण-२०२६/प्र.क्र.०३/ऊर्जा-४,
उद्योग, ऊर्जा, कामगार व खनिकर्म विभाग,
मादाम कामा रोड, हुतात्मा राजगुरु चौक,
मंत्रालय, मुंबई-४०००३२
दिनांक : ११ मार्च, २०२६

संदर्भ :

१) पीएफसी कन्सल्टिंग लिमिटेड यांचे पत्र क्र.१/२५-२६/ITP-११२/Rfp, दि.२७.११.२०२५.
२) मुख्य अभियंता, राज्य पारेषण उपक्रम यांचे क्र.एम.एस.ई.टी.सी.एल./ सी.ओ./सी.ई./ एस.टी.यु./टी.बी.सी.बी./४१२, दि.१९.०१.२०२६ रोजीचे पत्र.
३) शासन निर्णय क्र.पावामो-२०२१/प्र.क्र.१७०(भाग-१)/ऊर्जा-४, दि.०२.११.२०२२ व दि.०१.१२.२०२२.

प्रस्तावना :-

महाराष्ट्रात सध्या वीजेची मागणी २९,००० मेगावॅट इतकी वाढली असुन सन २०२६-२७ मध्ये सदर मागणी ३४,००० ते ३५,००० मेगा वॅट व सन २०३० मध्ये सदर मागणी ४२,००० ते ४५,००० मेगावॅट पर्यंत पोहचण्याची शक्यता आहे. ही वस्तुस्थिती लक्षात घेता वाढत्या वीजेच्या मागणीची पूर्तता करण्याकरिता पारेषण वाहिन्यांची क्षमता वाढविणे व पारेषण वाहिन्यांचे बळकटीकरण करणे अनिवार्य आहे. त्यानुषंगाने ७६५/४००/२२० के.व्ही. अति उच्चदाब उपकेंद्र व संबंधित जोड प्रणाली पारेषण वाहिन्या उभारणी, वीज दरावर आधारित स्पर्धात्मक निविदा प्रक्रियेव्दारे (TBCB-Tariff Based Competitive Bidding) करणे नियोजित आहे. सबब, रायगड पॉवर ट्रान्समिशन लिमिटेड या कंपनीकडून कांदळगाव, जि.रायगड येथे उभारण्यासाठी प्रस्तावित असलेल्या ७६५/४००/२२० के.व्ही. अति उच्चदाब उपकेंद्र व त्याकरीता उभारण्यात येत असलेल्या संबंधित जोड प्रणाली पारेषण वाहिनीस विद्युत अधिनियम, २००३ च्या अंतर्गत कलम ६८ अन्वये पूर्व परवानगी प्रदान करण्याबाबतचा प्रस्ताव शासन मान्यतेस्तव सादर करण्यात आला आहे. सदर प्रस्तावास मान्यता देण्याची बाब शासनाच्या विचाराधीन होती.

शासन निर्णय :-

रायगड जिल्ह्यात कांदळगाव येथे ७६५/४००/२२० के.व्ही. (ए.आय.एस.) वीज उपकेंद्र उभारणी व संबंधित जोड प्रणाली (वाहिन्या) उभारण्यासाठी 'वीज दरावर आधारित स्पर्धात्मक निविदा' प्रक्रियेव्दारे (TBCB-Tariff Based Competitive Bidding) पारेषण सेवा पुरवठादार (TSP-Transmission Service Provider) बोलीधारकाची निवड करण्यासाठी पीएफसी कन्सल्टिंग लिमिटेड कंपनी यांना बोली प्रक्रिया समन्वयक (BPC-Bid Process Coordinator) म्हणुन नियुक्त केले आहे. BPC ने रायगड पॉवर ट्रान्समिशन लिमिटेड ही विशेष हेतूसाठी स्थापित केलेली संस्था (SPV) आहे.

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वीजदरावर आधारित स्पर्धात्मक बोली निविदा प्रक्रिया राबवून रायगड जिल्ह्यात कांदळगाव येथे ७६५/४००/२२० के.व्ही. (ए.आय.एस.) उपकेंद्र उभारणी व त्याकरीता उभारण्यात येत असलेल्या संबंधित जोड प्रणाली (वाहिन्या) उभारण्याकरिता रायगड पॉवर ट्रान्समिशन लिमिटेड या कंपनीस भारतीय विद्युत अधिनियम, २००३ च्या कलम ६८ अंतर्गत खालील अटी आणि शर्तींच्या अधीन राहुन मान्यता प्रदान करण्यात येत आहे.

१. सदर वीज प्रकल्प उभारणी रायगड पॉवर ट्रान्समिशन लिमिटेड स्वखर्चाने, विहित केलेल्या प्रमाणित पध्दतीने आणि तज्ञांच्या मार्गदर्शनाखाली व पर्यवेक्षणाखाली करेल. या वीज वाहिनीचा वापर कंपनीने ज्या प्रयोजनार्थ करावयाचा ठरविला आहे; केवळ त्याच प्रयोजनासाठी करणे कंपनीस बंधनकारक राहील.

२. सदर प्रकल्पाच्या कामाचे स्वरुप व प्रकल्पाचा तपशिल खालीलप्रमाणे आहे:-

Sr. No.	**Scope of the Transmission Scheme**
1.	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT-3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MV Ar, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT - 2 Nos. • 125 MVAR,420 kV Bus reactor-1 No • 765 kV ICT bays-3 Nos. • 400 kV ICT bays -5 Nos. • 765 kV line bays -4 Nos. • 400 kV line bays - 4 Nos. • 765 kV Bus reactor Bay- 1 No. • 400 kV Bus reactor bay-1 No. • 220 kV ICT bays - 2 Nos. • 220 kV line bays - 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:-** • 765/400 kV, 1500 MVA, ICT-1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays - 4 Nos • 220 kV line bays - 2 Nos.
2.	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon
3.	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon
4.	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos

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३. या वीज वाहिन्या कार्यान्वित / प्रभारीत करण्यापूर्वी याबाबतच्या सक्षम प्राधिकाऱ्याकडून यथास्थिती मुख्य विद्युत निरिक्षक / मुख्य अभियंता (विद्युत) यांची पूर्व परवानगी घेणे आवश्यक राहील.

४. वीज वाहिन्यांचे संचलन व व्यवस्थापन, रायगड पॉवर ट्रान्समिशन लिमिटेड ही कंपनी स्वत: करेल.

५. वीज वाहिनी उभारल्यानंतर संबंधित शेतकऱ्यांच्या / संबंधित जागा मालकांच्या जर काही तक्रारी असल्यास सक्षम प्राधिकाऱ्यांसमवेत विचारविनिमय करून त्या तक्रारींचे योग्यरित्या निराकरण करण्याची जबाबदारी रायगड पॉवर ट्रान्समिशन लिमिटेड या कंपनीची असेल.

६. सदर वीज वाहिनी उभारणे व कार्यान्वित ठेवणे यानुषंगाने आवश्यक असलेले सर्व परवाने मिळविणे, विहित केलेल्या निकषांची पूर्तता करणे. तसेच, शासनाची विविध प्राधिकरणे / विभाग / वीज नियामक आयोग इत्यादींचे इतर प्रचलित नियम त्याचप्रमाणे शासनाने वेळोवेळी विहीत केलेले नियम व अटी आणि शर्ती कंपनीवर बंधनकारक राहतील.

७. सदर परवान्याचा कालावधी परवानापत्र दिल्यापासून ३५ वर्षांचा असेल, उक्त कालावधी संपुष्टात आल्यानंतर सदर वाहिनीबाबत शासन उचित आढावा घेऊन निर्णय घेईल.

८. विद्युत अधिनियम, २००३ च्या कलम ६८ मधील अटी आणि शर्ती व त्यामध्ये वेळोवेळी होणारे बदल, या विभागाचे शासन निर्णय क्र.पावामो-२०२१/प्र.क्र.१७० (भाग-१)/ऊर्जा-४, दि.०२.११.२०२२ व दि.०१.१२.२०२२ मधील नमूद अटी आणि शर्ती तसेच राज्य शासन व केंद्र शासनाची अशा पारेषण वाहिन्या संबंधिची वेळोवेळी जाहीर झालेली/ होणारी धोरणे मार्गदर्शक सूचना या पारेषण वाहिन्यांस लागू राहतील.

हा शासन निर्णय महाराष्ट्र शासनाच्या www.maharashtra.gov.in या संकेतस्थळावर उपलब्ध करण्यात आला असून, त्याचा संगणक संकेतांक क्रमांक २०२६०३१११११४४३४७६१० असा आहे. हा आदेश डिजीटल स्वाक्षरीने साक्षांकित करुन काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

UDDHAV RABHAJI DAHIPHALE

Digitally signed by UDDHAV RABHAJI DAHIPHALE
DN: c=IN, o=GOVERNMENT OF MAHARASHTRA, ou=Energy Department, 2.5.4.20=05B3CA49B9A0A924FD4D874366E254E742308F02108527986E098AFC27201F30, postalCode=400032, st=Maharashtra, serialNumber=2D80774C9ED65ECA9BE690069348FB5C4CA32A80DC1A2EC574639845 8DF1C37, cn=UDDHAV RABHAJI DAHIPHALE
Date: 2026.03.11 11:45:24 +05'30'

(उ.र.दहिफळे)
सह सचिव, महाराष्ट्र शासन

प्रत:

१) मा. राज्यपाल यांचे सचिव, राजभवन, मलबार हिल, मुंबई.
२) मा. मुख्यमंत्री, महाराष्ट्र राज्य यांचे अपर मुख्य सचिव, मंत्रालय, मुंबई.
३) मा. उप मुख्यमंत्री (नगर विकास) यांचे सचिव, मंत्रालय, मुंबई.
४) मा. उप मुख्यमंत्री (राज्य उत्पादन शुल्क व क्रीडा) यांचे सचिव, मंत्रालय, मुंबई.
५) मा. मंत्री (अपारंपारीक ऊर्जा) यांचे खाजगी सचिव, मंत्रालय, मुंबई.
६) मा. राज्यमंत्री (ऊर्जा) यांचे खाजगी सचिव, मंत्रालय, मुंबई.
७) मुख्य सचिव, महाराष्ट्र राज्य, मंत्रालय, मुंबई.
८) अपर मुख्य सचिव, नियोजन विभाग, मंत्रालय, मुंबई.
९) अपर मुख्य सचिव, वित्त विभाग, मंत्रालय, मुंबई.

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१०) अपर मुख्य सचिव (ऊर्जा), उद्योग, ऊर्जा, कामगार व खनिकर्म विभाग, मंत्रालय, मुंबई.

११) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य विद्युत पारेषण कंपनी मर्या. प्रकाशगंगा, वांद्रे-कुर्ला संकुल, वांद्रे (पूर्व), मुंबई.

१२) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य वीज वितरण कंपनी मर्या, प्रकाशगड, वांद्रे (पूर्व), मुंबई.

१३) अध्यक्ष व व्यवस्थापकीय संचालक, महाराष्ट्र राज्य वीज निर्मिती कंपनी मर्या, प्रकाशगड, वांद्रे (पूर्व), मुंबई.

१४) पीएफसी कंसल्टिंग लिमिटेड, पहिला मजला, ऊर्जानिधी,१ बाराखंबा रोड, कनॉट प्लेस, नवी दिल्ली.

१५) निवडनस्ती (ऊर्जा-४).

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Annexure P/7(Colly)

MAHATRANSCO
Maharashtra State Electricity Transmission Co. Ltd.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED
CIN No.: U40109MH2005SGC153646

Office of the Chief Engineer (State Transmission Utility)
Prakashganga,4th floor, 'A' wing, Plot C -19,
E - Block, BKC, Bandra (E), Mumbai – 400051.
Phone no: (O) 022 – 2659 5176, (P)022- 265 95175,
Email Id : cestu@mahatransco.in

MSETCL/CO/CE/STU-TBCB/PFCCL/No. No.10634 **Date:** 12 DEC 2025

To,

Shri Ganeswara Rao Jada **Director (PSPA-1)** Central Electricity Authority Room No. 403, 4th Floor (North) Sewa Bhawan, R.K Puram, Sector-1 New Delhi- 110066	**Shri Girish Pantoji** **Chief Engineer (In charge),** Maharashtra State Load Despatch Centre Thane-Belapur Rd. P.O. Airoli Navi Mumbai Pin 400708
Shri Sandip Patil **Chief Engineer (Power Purchase),** **Maharashtra State Electricity Distribution Company Limited** Prakashgad, Plot No. G-9, Anant Kanekar Marg Bandra (E), Mumbai–400051	**Shri Anil Nagendra Kalekar** **C.G.M. (F&A),** Maharashtra State Electricity Distribution Company Limited Prakashgad, Plot No. G-9, Anant Kanekar Marg Bandra (E), Mumbai–400051
Shri Sanjay Nayak **Chief General Manager (CGM)/** **Shri Naveen Phougat** **General Manager (GM)** PFC Consulting Limited (PFCCL) Regd. Office: 1st Floor, "URJANIDHI", l, Barakhamba Lane, Connaught Place, New Delhi -l 10001	

Subject: Constitution of Bid Evaluation Committee (BEC) for Intra State Transmission Projects to be executed through TBCB in the State of Maharashtra.

Reference: MoM of 7th meeting of Empowered Committee held on 12th March, 2025

Sirs,

The Empowered Committee for execution of Transmission Projects under TBCB in its Seventh meeting held on 12.03.2025 approved the constitution of Bid Evaluation Committee for evaluating the bids of TBCB Projects as under:

1. Chief Engineer (STU)-Chairman

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2. Representative from Central Electricity Authority (CEA)
3. Representative from Maharashtra Transmission Committee (MTC) - CE (SLDC)
4. Representative from Maharashtra Transmission Committee (MTC)-CE (Power Purchase), MSEDCL
5. Independent Finance Expert - CGM (F&A), MSEDCL
6. Representative from BPC

Based on the above, CE (STU) requested the CEA and PFCCL (BPC) to nominate the member for constitution of Bid Evaluation Committee. Based on the nominations received, the Bid Evaluation Committee has been constituted for following projects for which PFCCL is acting as BPC and RFP NIT for all project have been published.

Sr. No	Projects Name
1	**Establishment of 765/400/220 kV AIS Dolvi (Dist.-Raigad)**
2	**Establishment of 765/400/220 kV AIS Kandalgaon (Dist.Raigad)**
3	**Establishment of 400/220/132 kV AIS Latur (Dist Latur)**

The Bid Evaluation Committee for above projects is constituted as follows:

1. Shri Peeyush Sharma-Chief Engineer (STU)-Chairman
2. Shri Ganeswara Rao Jada,Director (PSPA-1),CEA
3. Shri Girish Pantoji-Chief Engineer -SLDC
4. Shri Sandip Patil-Chief Engineer (Power Purchase) - MSEDCL
5. Shri Anil Nagendra Kalekar-Chief General Manager (F&A) - MSEDCL
6. Shri Sanjay Nayak,CGM /
   Shri. Naveen Phougat,GM – PFCCL

The meeting of the Bid Evaluation Committee for the above projects will be convened once bids are received to undertake the evaluation of bids submitted in response to the RFP.

Thanking you,

Your's faithfully,

Peeyush Sharma
Chief Engineer – Maharashtra STU

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Dated: July 07, 2026

CERTIFICATE BY THE BID EVALUATION COMMITTEE

Sub.: Selection of Successful Bidder as Transmission Service Provider to "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)".

It is hereby certified that:

1. The entire bid process has been carried out in accordance with the "Tariff based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for encouraging competition in development of the Transmission Projects" issued by Ministry of Power, Govt. of India under Section 63 of the Electricity Act, 2003 and as amended from time to time.

2. **Apraava Energy Private Limited** emerged as the Successful Bidder after the conclusion of e-reverse bidding process with the lowest Quoted Transmission Charges of **Rs. 3261.89 million per annum**.

3. The quoted tariff is less than the Levelised Tariff calculated based on MERC norms considering the Capital Cost for the Project 'Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)' as assessed by Cost Committee. The quoted tariff discovered through e-reverse bidding process is acceptable.

Name of Committee Member	Signature
Sh. Peeyush S Sharma, Chief Engineer (STU), Chairman	
Sh. Ganeswara Rao Jada, Director (CEA), Member	
Sh. Girish Pantoji, Chief Engineer, SLDC, Member	
Sh. Sandip Patil, Chief Engineer (PP), MSEDCL, Member	
Sh. Anil Nagendra Kalekar, CGM (F&A) , MSEDCL, Member	
Sh. Neeraj Singh, CGM(PFCCL), Member	

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PFC CONSULTING LTD.

Annexure P/8

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्णतः स्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Ref. No. 04/25-26/ITP-112/RFP **13.08.2026**

To,

Mr. Sumit Sinha,
DGM- Business & Project Development (T&D, Energy Transition)
Apraava Energy Private Limited
FULCRUM, 7th Floor, Sahar Road, Andheri (East),
Mumbai- 400 099, India

E-mail:
sumit.sinha@apraava.com

Sub: Independent Transmission Project (ITP) "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"- Letter of Intent

Ref: (i) RfP document issued for the Transmission Project on 04.11.2025.
(ii) RfP (Technical and Financial) bid submitted by Apraava Energy Private Limited on 17.06.2026 and e-RA concluded on 03.07.2026.

Sir,

We refer to:

1. The Request for Proposal(RfP) document dated 04.11.2025 issued to **'Apraava Energy Private Limited'** as regards participation in the international competitive bidding process for Transmission Scheme for **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"**, and as amended till the bid deadline including all correspondence/ clarifications / amendments exchanged between **'Apraava Energy Private Limited'** and PFC Consulting Limited in regard thereto (hereinafter collectively referred to as the **"Final RFP"**);
2. The offer of **'Apraava Energy Private Limited'** by way of a Technical Bid pursuant to (1) above submitted on 17.06.2026 in response to the Final RFP.
3. The offer of **'Apraava Energy Private Limited'** by way of Financial Bid-Initial Offer submitted on 17.06.2026 in response to the Final RFP.
4. The offer of **'Apraava Energy Private Limited'** by way of a Financial Bid-Final Offer Submitted during e-Reverse Auction process concluded on 03.07.2026 in response to the Final RFP.
5. The Technical Bid as at S.No. (2) above and the Financial Bid as at S.No. (3) & (4) above, hereinafter collectively referred to as the "Bid".

This is to inform you that the process of evaluating bids received pursuant to the Final RFP, including the Bid, has been concluded. We are pleased to inform you that your proposal and offer received by way of the "Bid" has been accepted and **'Apraava Energy Private Limited'** is hereby declared as the Successful Bidder as per Clause 3.6.1 of the Final RFP for the above project and consequently, this Letter of Intent (hereinafter referred to as the "LoI") is being issued.

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This LoI is based on the Final RFP and you are requested to please comply with the following:

a) Acknowledging its issuance and unconditionally accepting its contents and recording "Accepted unconditionally" under the signature of your authorized signatory on each page of the duplicate copy of this letter attached herewith and returning the same to PFC Consulting Limited within seven (07) days of the date of issuance of LoI. This LoI is issued to you in duplicate.

b) Completion of various activities as stipulated in the Final RFP including in particular Clause 2.15.2, Clause 2.15.3 and Clause 2.15.4 of the Final RFP, within the timelines as prescribed therein.

It may be noted that PFC Consulting Limited has the rights available to them under the Final RFP, including rights under Clause 2.15.5 and Clause 3.6.3 thereof, upon your failure to comply with the aforementioned conditions.

As you are aware, the issuance and contents of this LoI are based on the Bid submitted by you as per the Final RFP including the Transmission charges and other details regarding the Scheduled COD as contained therein. The Quoted Transmission Charges as submitted by you and the Scheduled COD of each transmission element and the Project as agreed by you in your Bid, as per Annexure -21 and Format-1 of Annexure -8 respectively of the Final RFP is annexed herewith as **Schedule-A** and incorporated herein by way of reference.

Yours sincerely,
For PFC Consulting Limited

(Bibhuti Giri)
Dy. General Manager

Enclosures:

- **Schedule A** – Quoted Transmission Charges and the Scheduled COD of each Transmission Element and the Project submitted in your Bid, as per Annexure 21 and Format-1 of Annexure 8 respectively of the Final RFP

Copy to:

1. **Additional Chief Secretary (Energy),** Hongkong Bank Building, 3rd and 4th Floor, Mahatma Gandhi Road, Fort, Mumbai–400001, Maharashtra.

2. **Chairman and Managing Director, Power Finance Corporation Limited,** "Urjanidhi", 1, Barakhamba Lane, Connaught Lane, New Delhi – 110 001

3. **Secretary, Maharashtra Electricity Regulatory Commission,** World Trade Centre, Centre No.1, 13th Floor, Cuffe Parade, Mumbai-400005

4. **Chief Engineer (State Transmission Utility),** 4th Floor, Prakashganga, Plot No.C-19, E-Block, Bandra-Kurla Complex, Bandra (E), Mumbai - 400051

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SCHEDULE - A
(Page 1 of 3)

1. **Quoted Transmission Charges as per Annexure-21-Format For Financial Bid**

Quoted Transmission Charges: Rs. 3261.89 Million Per Annum

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SCHEDULE – A

2. Scheduled COD of each transmission Element and the Project as per Format 1 of Annexure-8 of RFP

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)				
Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1	**Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level.** • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos. • 220 kV line bays – 2 Nos.	24 months from effective date	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.

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Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)				
Sl. No	**Name of the Transmission Element**	**Scheduled COD**	**Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project**	**Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element**
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV line bays at 220 kV Kandalgaon (Existing) - 02 Nos			

Note:

1. Space shall be provided by existing/proposed utility for following. *However, in case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations.*
   (a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing)
2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters

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Annexure P/9(Colly)

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्ण स्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Ref No. 04/26-27/ITP-112/RFP

August 31, 2026

To,
Sh. Ravi Dhawan
Director, PFC Desk,
Ministry of Power,
Shram Shakti Bhawan, Rafi Marg,
New Delhi – 11001

E-mail: ravi.dhawan@ias.gov.in

Sub: Approval of the Government to transfer the shares held by PFC Consulting Limited (a wholly owned subsidiary of Power Finance Corporation Limited) in 'RAIGAD POWER TRANSMISSION LIMITED' to 'Apraava Energy Private Limited', the Successful Bidder

Sir,

'RAIGAD POWER TRANSMISSION LIMITED' is the Special Purpose Vehicle (SPV) incorporated by PFC Consulting Limited (PFCCL), the Bid Process Coordinator (BPC), for development of transmission scheme **"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"** through Tariff Based Competitive Bidding (TBCB) process. The bidding process for the project has been completed and Letter of Intent (LoI) has been issued to the Successful Bidder, **'Apraava Energy Private Limited'**. The Gazette Notification, certificate of incorporation for SPV and details of bidding process are enclosed at **Annexure-A**, **Annexure-B** and **Annexure-C** respectively.

As per the provisions of the Request for Proposal (RFP) document, the SPV is to be transferred to 'Apraava Energy Private Limited', the Successful Bidder. As part of the transfer process, a Share Purchase Agreement, for transfer of 100% of the shares held by PFCCL and its Nominees in 'RAIGAD POWER TRANSMISSION LIMITED', is to be signed between 'PFCCL', 'RAIGAD POWER TRANSMISSION LIMITED' and 'Apraava Energy Private Limited'.

The Board of Directors of PFCCL in its 145th meeting has approved the proposal for transfer of shares held by PFCCL and its nominees in 'RAIGAD POWER TRANSMISSION LIMITED' to 'Apraava Energy Private Limited' (copy of extract of minutes of meeting of Board of PFCCL is enclosed at **Annexure-D**).

In order to facilitate the transfer process, the Board of Directors of Power Finance Corporation Limited (PFC) in its 390th meeting held on 13.08.2019 authorized CMD, PFC to approve the matters related to transfer of such SPVs which were incorporated by PFCCL under the policies and/or directions of Ministry of Power for expedient operational actions (copy of Extract of minutes of meeting of Board of PFC is enclosed at **Annexure-E**).

In view of above, CMD, PFC has approved the proposal for transfer of shares held by PFCCL and its nominees in 'RAIGAD POWER TRANSMISSION LIMITED' to 'Apraava Energy Private Limited' (copy of CMD, PFC approval is enclosed at **Annexure-F**).

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However, as per the DPE OM No. 22(1)/2009-GM dated February 04, 2010 of the Ministry of Heavy Industries and Public Enterprises (MoHI&PE), Maharatna CPSEs are required to seek Government approval before exiting from their subsidiaries.

The acquisition price for transfer of SPV to the successful bidder is **Rs. 7,40,55,693/- (Rupees Seven Crore Forty Lakh Fifty-Five Thousand Six Hundred Ninety-Three Only).** The break-up for this amount is given below:

S. No.	Description	Amount (in INR)
1.	PFCCL Management Fees	5,29,81,560
2.	Goods and Service Tax on PFCCL Management Fees	95,36,681
3.	Other Administrative Expenses	1,14,37,452
4.	Share Capital	1,00,000
	Total	**7,40,55,693**

Further, any adjustment in the above acquisition price, if any, on the actual date of transfer of SPV shall be considered while intimating the settlement of account (subject to audit) to the Successful Bidder.

Further, following may be noted:

a) The SPV in the past or currently has not been involved in any litigation;
b) There are no complaints against the bidding process;
c) It is certified that PFCCL has followed all the process/ rules/ regulations/ provisions laid down in the Standard Bidding Guidelines for the purpose.

In view of the above, it is requested to kindly convey the approval of the Government of India for divesting the shareholding of PFCCL and its nominees in **'RAIGAD POWER TRANSMISSION LIMITED'**, so that PFCCL can take necessary action for transfer of **'RAIGAD POWER TRANSMISSION LIMITED'** to 'Apraava Energy Private Limited' as per the provisions of the RFP.

Thanking you,

Yours sincerely,

(H. K. Das)
ED, PFCCL

Encl.: a/a.

TRUE COPY

No. 24-9/4/2024-PFC (MoP)
Government of India
Ministry of Power
*****

Shram Shakti Bhawan, Rafi Marg,
New Delhi, Dated 14th September, 2026

To,

The Chief Executive Officer,
PFCCL, First Floor
Urjanidhi, 1, Barakhamba Lane,
New Delhi-110003

Subject: Approval of the Government for transfer of shares held by PFCCL in various SPVs, incorporated for development of inter-State & intra State transmission systems, to respective successful bidders- reg.

Ref: (i) PFCCL's letter No. 04/26-27/ITP-128/RFP dated 31.08.2026
(ii) PFCCL's letter No. 04/26-27/ITP-132/RFP dated 31.08.2026
(iii) PFCCL's letter No. 04/26-27/ITP-129/RFP dated 31.08.2026
(iv) PFCCL's letter No. 04/26-27/ITP-112/RFP dated 31.08.2026

Sir,

I am directed to refer to PFCCL's letters under reference (i) to (iv) above, on the subject cited above and to convey the approval of the Competent Authority for divesting the shareholding of PFCCL and its nominee in following Special Purpose Vehicles (SPVs), incorporated for carrying out bidding of various transmission projects under Tariff Based Competitive Bidding (TBCB) mode, to the respective successful bidders, as indicated in below table, with a view to facilitate transfer of the SPVs to the successful bidders, as required under Ministry of Heavy Industries, Department of Public Enterprises O.M. No. 22(1)/2009-GM dated 04.02.2010:

S. No.	Name of the Project	Name of the SPV	Successful Bidder
1	Transmission System for integration of Power from RE Projects in Jam Khambhaliya REZ in Gujarat- Phase II (5500MW) and Jamnagar Phase-1 (1000MW)	Jam Khambhaliya REZ Transmission Limited	Power Grid Corporation of India Limited
2	Network Expansion scheme in Western Region to cater to pumped storage potential near Satara (up to 4500MW)- Part A)	Satara Power Transmission Limited	Adani Energy Solutions Limited
3	Common Transmission System for evacuation of power from Lakadia (Phase-II:7.5GW), Jam Khambhaliya (Phase-II:5.5GW) and Jamnagar (Phase-I:1GW)- Part-A	Lakadia A Power Transmission Limited	AnantGrid Projects One Private Limited

TRUE COPY

4	Establishment of 765/400/220 kV AIS Kandalgaon	RAIGAD POWER TRANSMISSION LIMITED	Apraava Energy Private Limited

Yours faithfully

14/9/26

(Nidhi Juneja)
Under Secretary to the Govt. of India
Email: juneja.n13@nic.in/
sopfcrec-mop@gov.in
Tele: 011-23711302

Copy for information to:

i. CMD, PFC Limited, New Delhi.
ii. US (Trans):- With the request that Transmission Wing may write to concerned States, informing about the project, for extending all possible help in assessment of compensation to be paid to landowners and also expediting forest clearance, if involved in the project.
iii. Sr. PPS to Secretary (Power)/JS (Dist.)/Dir (Dist), Ministry of Power.

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PFC CONSULTING LTD.

पीएफसी कंसल्टिंग लिमिटेड
(पावर फाइनेंस कॉर्पोरेशन लिमिटेड की पूर्ण स्वामित्वाधीन सहायक कंपनी)
PFC CONSULTING LIMITED
(A wholly owned subsidiary of Power Finance Corporation Limited)

Annexure P/10

Ref. No. 06/26-27/ITP-112/RFP **Sep 25, 2026**

To,
Mr. Sumit Sinha,
DGM- Business & Project Development
(T&D, Energy Transition)
Apraava Energy Private Limited
FULCRUM, 7th Floor, Sahar Road, Andheri (East),
Mumbai- 400 099, India

E-mail: sumit.sinha@apraava.com

Sub: Independent Transmission Project (ITP) "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"- Letter of Intent

Sir,

1. This is with reference to Letter of Intent (LoI) issued on 13.08.2026 for establishment of subject transmission scheme. The Clause No. 2.15.2 of the RFP documents stipulated that within ten (10) days of the issue of the LoI the selected bidder shall complete all the activities including the acquisition of SPV.

2. As the SPV is being transferred on 28.09.2026, the last date for completion of various activities under Clause No. 2.15.2 of the RFP document is extended from 24.08.2026 (10 days from LoI) to 08.10.2026.

Thanking You,

Yours faithfully,

(Bibhuti Giri)
Dy. General Manager

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भारतीय गैर न्यायिक

भारत INDIA

रु. 500 FIVE HUNDRED RUPEES

पाँच सौ रुपये Rs. 500

सत्यमेव जयते

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2026 ◑ FE 618121

प्रधान मुद्रांक कार्यालय, मुंबई
प.मु.वि.क. ८०००९६
22 SEP 2026
सक्षम अधिकारी

श्रीमती. सायली कोळी

This stamp paper forms part of SPA executed on 28.09.2026 between the parties mentioned in attached document.

PFC CONSULTING LIMITED NEW DELHI

RAIGAD POWER TRANSMISSION LTD. NEW DELHI

Adaava Energy Private Limited Mumbai

TRUE COPY

भारतीय गैर न्यायिक

भारत INDIA

रु. 500 FIVE HUNDRED RUPEES

पाँच सौ रुपये Rs. 500

सत्यमेव जयते

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2026 ◑ FE 618122

प्रधान मुद्रांक कार्यालय, मुंबई
प.मु.नि.क्र. /०००००९६
22 SEP 2026
सक्षम अधिकारी

श्रीमती. सायली कोळी

This stamp paper forms part of SPA executed on 28.09.2026 between the parties mentioned in attached document.

PFC CONSULTING LIMITED NEW DELHI

RAIGAD POWER TRANSMISSION NEW DELHI

Apraava Energy Private Limited Mumbai

TRUE COPY

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2026 ◑ OOAC 716672

प्रधान मुद्रांक कार्यालय, मुंबई
प.मू.क्र. / 000096
22 SEP 2026
सक्षम अधिकारी

श्रीमती निलिमा देसाई

This stamp paper forms part of SPA executed on 28.09.2026 between the parties mentioned in attached document.

PFC CONSULTING LIMITED NEW DELHI

RAIGAD POWER TRANSMISSION NEW DELHI

Adani Energy Private Limited Mumbai

TRUE COPY

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

महाराष्ट्र MAHARASHTRA ◑ 2026 ◑ OOAC 716673

प्रधान मुद्रांक कार्यालय, मुंबई
प.म.कि.क्र. / 000096
22 SEP 2026
सक्षम अधिकारी

श्रीमती निलिमा देसाई

This stamp paper forms part of SPA executed on 28.09.2026 between the parties mentioned in attached document.

PFC CONSULTING LIMITED NEW DELHI

RAIGAD POWER TRANSMISSION NEW DELHI

Adaeva Energy Private Limited Mumbai

TRUE COPY

Dated 28.09.2026

SHARE PURCHASE AGREEMENT

BETWEEN

PFC CONSULTING LIMITED

AND

RAIGAD POWER TRANSMISSION LIMITED

AND

APRAAVA ENERGY PRIVATE LIMITED

PFC CONSULTING LIMITED NEW DELHI PFCCL

RAIGAD POWER TRANSMISSION LTD. NEW DELHI RTPL

Apraava Energy Private Limited Mumbai AEPL

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SHARE PURCHASE AGREEMENT

This **SHARE PURCHASE AGREEMENT** ('Agreement') made on September 28, 2026 at Mumbai by and between:

PFC CONSULTING LIMITED (a wholly owned subsidiary of Power Finance Corporation Ltd.), a company incorporated under the Companies Act, 1956, with CIN U74140DL2008GOI175858, having its registered office at First Floor, "Urjanidhi",1, Barakhamba Lane, Connaught Place, New Delhi 110001, (hereinafter referred to as **"PFCCL"**, which expression shall, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **FIRST PART**;

AND

RAIGAD POWER TRANSMISSION LIMITED, a company incorporated under the Companies Act, 2013, with CIN U42201DL2025GOI458171, and having its registered office at Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi 110001, (hereinafter referred to as **"Company"** which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **SECOND PART**;

AND

APRAAVA ENERGY PRIVATE LIMITED, a company incorporated under the Companies Act, 1956 with CIN U40100DL1992PTC416841, and having its registered office at T-15 A, Third Floor, Salcon Rasvilas, Saket District Centre, Saket, New Delhi - 110 017 (hereinafter referred to as **"Selected Bidder"** which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the **THIRD PART.**

WHEREAS:

A. The Government of Maharashtra vide its Government Resolution No. Sankirna-0125/P.R.32/Urja-4 dated 03.10.2025 has notified PFC Consulting Limited (PFCCL) as Bid Process Coordinator (BPC) for selection of Bidder as Transmission Service Provider (TSP) to establish Intra-State transmission system for **"ESTABLISHMENT OF 765/400/220 kV AIS KANDALGAON (DIST. RAIGAD)"** through tariff based competitive bidding process (hereinafter referred to as the "Project").

B. In accordance with the Bidding Guidelines, PFCCL had initiated a Bid Process through issuance of RFP documents for selecting a Successful Bidder to build, own, operate and transfer the Project in accordance with and on the terms and conditions mentioned in the RFP Project Documents (as defined hereinafter).

C. PFCCL has incorporated the **Company** and PFCCL along with the Nominees hold One hundred per cent (100 %) of total issued and paid-up equity share capital of the Company.

D. PFCCL has initiated the development of the Project and has obtained survey report, certain clearances, consents and permits as specified in the RFP regarding the Project.

E. Pursuant to the said Bid Process, **Apraava Energy Private Limited** has been identified as the Selected Bidder vide Letter of Intent dated 13th August, 2026 issued by the PFCCL in favor of the Selected Bidder.

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Apraava Energy Private Limited AEPL Mumbai

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F. As envisaged in the RFP, the Shares Seller (as defined hereinafter) has agreed to sell the Sale Shares (as defined hereinafter) to the Selected Bidder and the Selected Bidder has agreed to purchase the Sale Shares from the Shares Seller, subject to and on the terms and conditions set forth in this Agreement.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS AND AGREEMENTS SET FORTH IN THIS AGREEMENT AND FOR OTHER GOOD AND VALUABLE CONSIDERATION, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. DEFINITIONS

1.1 Capitalized terms in this Agreement, unless defined in this Agreement shall, in so far as the context admits, have the same meaning in this Agreement as has been ascribed to them in the Transmission Service Agreement.

1.2 Additionally, the following terms shall have the meaning hereinafter respectively assigned to them herein below:

(i) **"Acquisition Price"** shall mean **INR 7,40,55,693/- (Rupees Seven Crore Forty Lakh Fifty-Five Thousand Six Hundred Ninety Three Only)**, which is the aggregate consideration payable by the Selected Bidder towards purchase of the **Sale Shares at par** along with assets and liabilities of the Company as on the Closing Date subject to adjustment as per the audited accounts of the Company as on the Closing Date;

(ii) **"Agreement"** or **"the Agreement"** or **"this Agreement"** shall mean this Share Purchase Agreement and shall include the recitals and/or annexures attached hereto, and the contracts, certificates, disclosures and other documents to be executed and delivered pursuant hereto, if any, and any amendments made to this Agreement by Parties in writing;

(iii) **"Bid Process"** shall mean the competitive bidding process initiated by the Company, by issuance of RFP Documents for selecting a Successful Bidder to build, own, operate and transfer the Project in accordance with and on the terms and conditions mentioned in the RFP Project Documents;

(iv) **"Board"** shall mean the board of directors of the Company;

(v) **"Closing Date"** shall mean a mutually agreed date between the Parties falling within the period as mentioned in Clause 2.15.2 of RFP or on failure of such mutual agreement between the Parties shall be the date falling on the last date of such period;

(vi) **"STU" or "State Transmission Utility"** shall be the Board or the Government company, specified as such by the State Government under sub-section (1) of Section 39 of the Electricity Act 2003;

(vii) **"Encumbrance"** shall mean any mortgage, pledge, lien, charge, security assignment, hypothecation, trust, encumbrance or any other agreement having the effect of creating security interest;

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(viii) **"Letter of Intent"** shall have the meaning ascribed thereto under the RFP;

(ix) **"Nominees"** shall mean the Persons, who are named in Annexure A, holding the Sale Shares as nominees of PFCCL;

(x) "**Party**" shall mean PFCCL, Company and the Selected Bidder, referred to individually, and "**Parties**" shall mean PFCCL, Company and the Selected Bidder collectively referred to, as relevant;

(xi) "**Person**" shall include an individual, an association, a corporation, a partnership, a joint venture, a trust, an unincorporated organisation, a joint stock company or other entity or organisation, including a government or political subdivision, or an agency or instrumentality thereof, and/or any other legal entity;

(xii) **"RFP Project Documents"** shall mean the following documents, referred to collectively:

a) Transmission Services Agreement;

b) this Agreement; and

c) Any other agreement(s) as may be required.

(xiii) "**Representations and Warranties**" shall mean the representations and warranties mentioned in **Clause 4** hereto;

(xiv) **"Sale Shares"** shall mean 10,000 (Ten Thousands) Equity Shares, representing 100 percent of the total issued, subscribed and fully paid-up equity share capital of the Company held by the Shares Seller and Nominees as more particularly described in Annexure A attached hereto;

(xv) **"Shares"** shall mean the fully paid-up equity shares of Company, of face value Rs. 10 each;

(xvi) "**Shares Seller**" shall mean PFCCL;

(xvii) **"Transmission Services Agreement"** or **"TSA"** means the agreement titled 'Transmission Services Agreement' dated 28.09.2026 entered into between Maharashtra State Transmission Utility and Raigad Power Transmission Limited, the TSP, pursuant to which the TSP shall build, own, operate and transfer the Project and make available the assets of the Project to Maharashtra State Transmission Utility on a commercial basis, as may be amended from time to time;

(xviii) **Transmission Service Provider" or "TSP"** shall mean **RAIGAD POWER TRANSMISSION LIMITED** which has executed the Transmission Service Agreement and which shall be acquired by the Selected Bidder.

1.3 Interpretation Clause

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Unless the context otherwise requires, the provisions of the TSA relating to the interpretation of the TSA shall apply to this Agreement as if they were set out in full in this Agreement and to this end are incorporated herein by reference.

2. **TRANSFER OF SHARES**

2.1 Subject to the terms and conditions of this Agreement, the Shares Seller agrees to sell and transfer to the Selected Bidder and the Selected Bidder hereby agrees to purchase from the Shares Seller, the Sale Shares of the Company free from Encumbrances with rights and benefits attached thereto in consideration of the Acquisition Price and the covenants, undertakings and the agreements of the Selected Bidder contained in this Agreement.

2.2 The Shares Seller hereby undertakes to cause the Nominees to transfer part of the Sale Shares held by them as Nominees of the Shares Seller to the Selected Bidder and execute any documents required to deliver good title to the Sale Shares to the Selected Bidder.

3. **CLOSING**

3.1 Prior to the Closing Date, the Selected Bidder shall provide to the Shares Seller, valid share transfer forms ("Share Transfer Forms") duly stamped with requisite amount of stamp duty payable on the transfer of Sale Shares.

3.2 On the Closing Date, the Shares Seller shall hand over to the Selected Bidder or its authorised representative, the original share certificates representing the Sale Shares ("Sale Share Certificates") along with the Share Transfer Forms duly executed by the Shares Seller and the Nominees in favour of the Selected Bidder, simultaneously against the Selected Bidder handing over to the Shares Seller demand drafts drawn in favour of the Shares Seller for the Acquisition Price payable to it.

Provided that prior to the handing over of the Sale Share Certificates to the Selected Bidder as mentioned above, the Selected Bidder shall provide satisfactory evidence to PFCCL that on or before the Closing Date, the Selected Bidder has furnished the Performance Bank Guarantee to Maharashtra State Transmission Utility and is in a position to comply with all other requirements of Clause 2.15.2 of the RFP.

3.3 The Selected Bidder shall immediately upon receiving the Sale Share Certificates and the Share Transfer Forms, duly execute the Share Transfer Forms and duly lodge the Share Transfer Forms and the Sale Share Certificates with the Company. The Selected Bidder may also propose the names of its nominees to be appointed on the Board of the Company and the address which would be the new registered office of the Company. The Company shall, upon receipt of the said documents from the Selected Bidder, do the following:

(i) Immediately on the Closing Date convene a meeting of the Board, wherein the Board shall pass the following necessary resolutions:

(a) Approving the transfer of the Shares constituting the Sale Shares from the Shares Seller and the Nominees to the name of the **Apraava Energy Private**

PFC CONSULTING LIMITED NEW DELHI PFCCL

RAIGAD POWER TRANSMISSION LTD. NEW DELHI RTPP

Apraava Energy Private Limited Mumbai AEPL

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Limited and its nominees and transfer of all assets and liabilities of the Company as on Closing Date.

(b) Approving the **Apraava Energy Private Limited** and its nominees as a member of the Company and entering the name of the **Apraava Energy Private Limited and its nominees** in the register of members.

(c) Changing the address of the registered office of the Company to the new address, as may be provided by the Selected Bidder.

(d) Appointing the nominees of the Selected Bidder on the Board and accepting the resignations of the other existing Directors on the Board and the Chair of the meeting which was taken by one of the existing Directors shall be vacated and appointment of a new Chairman who shall be one of the newly appointed Director, for the rest of the meeting.

Pursuant to the acceptance of resignation of the existing Directors and appointment of new Chairman, the newly constituted Board of Directors shall hold a meeting and pass the following resolution:

(a) Terminating all the authorizations granted regarding the business and/or operations of the Company or the operations of the bank accounts of the Company, with prospective effect; and

(b) Acknowledging and accepting the terms and conditions as contained in the executed copies of the RFP Project Documents and to abide by the provisions contained therein.

(ii) Enter the name of the **Apraava Energy Private Limited and its nominees** as the legal and beneficial owner of the Sale Shares, free of all Encumbrances, in the register of members of the Company;

(iii) Make the necessary endorsements on the Sale Share Certificates, indicating the name of **Apraava Energy Private Limited and its nominees** as the legal and beneficial owner of the Sale Shares evidenced there under;

(iv) Return the original Sale Share Certificates, duly endorsed in the name of the **Apraava Energy Private Limited and its nominees**, to **Apraava Energy Private Limited and its nominees,** as the case may be or its authorized representative;

(v) Handover all the statutory registers and records, if any, of the Company to the Selected Bidder.

(vi) Handover certified true copies of the Board resolution passed by the Company as per (i)(a) to (d) of Clause 3.3 (i) to Maharashtra State Transmission Utility.

3.4 The Parties to this Agreement agree to take all measures that may be required to ensure that all the events contemplated in the **Clauses 3.1 to 3.3** above on the Closing Date are completed on the same day.

PFC CONSULTING LIMITED NEW DELHI PFCCL

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Apraava Energy Private Limited Mumbai AEPL

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Notwithstanding the provisions of **Clause 3.3** hereto, all proceedings to be taken and all documents to be executed and delivered by the Parties at the Closing Date shall be deemed to have been taken and executed simultaneously and no proceedings shall be deemed to have been taken nor documents executed or delivered until all have been taken, executed and delivered.

3.5 The Selected Bidder hereby acknowledges and agrees that after the date of acquisition of one hundred percent (100%) of the equity shareholding of the Company, by the Selected Bidder as per Clause 3.3, (a) the authority, rights and obligations of the PFCCL/Company in respect of the Bid Process shall forthwith cease and any actions to be taken thereafter regarding the Bid Process will be undertaken by Maharashtra State Transmission Utility themselves or through their any other authorized representative(s), (b) all rights and obligations of PFCCL/Company shall be of the Selected Bidder and (c) any decisions taken by PFCCL/Company prior to the date of its acquisition by the Selected Bidder shall continue to be binding on the Selected Bidder. The Parties hereby agree that this provision shall survive the termination of this Agreement.

3.6 This Agreement shall be effective from the date of its signing by the Parties and shall remain in force until all the obligations of the respective Parties under Clause 3.3 hereto are fulfilled.

4. REPRESENTATIONS AND WARRANTIES

4.1 The Selected Bidder hereby represents and warrants to the Shares Seller that:

4.1.1 The Selected Bidder has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein, and this Agreement has been duly and validly executed and delivered by the Selected Bidder and constitutes its legal, valid and binding obligations, enforceable against it in accordance with its terms;

4.1.2 The execution, delivery and performance of this Agreement by the Selected Bidder (i) will not violate or contravene any provision of the Memorandum and Articles of Association of the Selected Bidder, (ii) will not violate or contravene any law, statute, rule, regulation, licensing requirement, order, writ, injunction or decree of any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority by which the Selected Bidder are bound or by which any of its and/or their properties or assets are bound, and (iii) except to the extent that the same have been duly and properly completed or obtained, will not require any filing with, or permit, consent or approval of or license from, or the giving of any notice to, any court, governmental instrumentality or other regulatory, governmental or public body, agency or authority, joint venture party, or any other entity or person whatsoever; and

4.1.3 The Selected Bidder is not restricted in any manner whatsoever, including without limitation, on account of any judicial or governmental order, action or proceeding, or any contractual obligation assumed by the Selected Bidder, from purchasing the Sale Shares from the Shares Seller in the manner provided for in this Agreement.

4.2 The Shares Seller hereby represents and warrants to the Selected Bidder that;

PFC CONSULTING LIMITED NEW DELHI PFCCL

RAIGAD POWER TRANSMISSION LIMITED NEW DELHI RTPL

Adani Energy Private Limited Mumbai AEPL 6

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4.2.1 The Shares Seller and the Nominees are the legal and beneficial owners of the Sale Shares, free and clear of any Encumbrance and the delivery to the Selected Bidder of the Sale Shares pursuant to the provisions of this Agreement will transfer to the Selected Bidder a good title to the Sale Shares.

4.2.2 The Shares Seller has full legal right, power and authority to enter into, execute and deliver this Agreement and to perform the obligations, undertakings and transactions set forth herein. The execution, delivery and performance of this Agreement will not violate the Memorandum and Articles of Association of the Shares Seller or contravene any contract by which it is bound.

4.2.3 The Shares Seller has obtained requisite authorizations to sell and transfer the Sale Shares to the Selected Bidder. The Shares Seller also represent that it is not prevented from transferring and selling the Sale Shares. Also, to the best of its knowledge, the Sale Shares are not the subject matter of any claim or pending proceeding or threatened by any legal proceeding made by any third party.

4.2.4 Except as specified in Clause 4.2, above the Shares Seller shall not be deemed to have, made any representation or warranty whatsoever, whether express or implied, in relation to the Sale Shares or Company, including but not limited to any implied warranty or representation as to the business or affairs of the Company.

4.2.5 The Representations and Warranties are given as at the date of this Agreement except that where a Representation and Warranty is expressed to be made as at another date, the Representation and Warranty is given with respect to that date only.

4.3 Each Representation and Warranty is to be construed independently of the others and is not limited by reference to any other Warranty. The Representations, Warranties and undertakings contained in this **Clause 4** hereto or in any document delivered pursuant to or in connection with this Agreement are continuing in nature and shall survive the Closing Date for one (1) year.

4.4 The Parties represent to each other that all Representations and Warranties provided herein by the respective Party shall be true as of Closing Date.

5. OBLIGATIONS OF THE SELECTED BIDDER

The Selected Bidder agrees that the Shares Seller shall not be liable in any manner, nor shall it assume any responsibility or liability whatsoever, in respect of the business of the Company and its operations or activities, arising after Closing Date, to any Person or any authority, central, state, local or municipal or otherwise and the same shall be the sole responsibility of the Selected Bidder.

6. MISCELLANEOUS

6.1 NOTICES

a) All notices to be given under this Agreement shall be in writing and in the English language.

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b) All notices must be delivered personally or by registered or speed post or by recognised courier to the addresses below:

Selected Bidder (Lead Member in case of Consortium)	**Company Secretary** **APRAAVA ENERGY PRIVATE LIMITED** 7th Floor, Fulcrum, Sahar Road, Andheri (East), Mumbai – 400 009, India
Name of the Holding Company of the SPV	**Company Secretary** **PFC Consulting Limited** First Floor, "Urjanidhi", 1 Barakhamba Lane, Connaught Place, New Delhi-110001
Company (Before Closing Date)	**Project in-charge** **RAIGAD POWER TRANSMISSION LIMITED** Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi-110001
Company (After Closing Date)	**RAIGAD POWER TRANSMISSION LIMITED** 7th Floor, Fulcrum, Sahar Road, Andheri (East), Mumbai – 400 009, India

c) Any Party may by notice of at least fifteen (15) days to the other Parties change the address and / or addresses to which such notices and communications to it are to be delivered or mailed.

6.2 RESOLUTION OF DISPUTES

6.2.1 If any dispute arises between the Parties, in connection with the validity, interpretation, implementation or alleged breach of any provision of this Agreement ("Dispute"), the disputing Parties hereto shall endeavor to settle such Dispute amicably. The attempt to bring about an amicable settlement shall be considered to have failed if not resolved within 60 days from the date of the Dispute.

6.2.2 If the Parties are unable to amicably settle the Dispute in accordance with Clause 6.2.1 within the period specified therein, any of the Parties shall be entitled to within 30 days after expiry of the aforesaid period, refer the Dispute to the Company Secretary of PFCCL and Chief Executive/ Managing Director of the Selected Bidder for resolution of the said Dispute. The attempt to bring about such resolution shall be considered to have failed if not resolved within 30 days from the date of receipt of a written notification in this regard.

6.2.3 In the event the Dispute is not settled in accordance with Clause 6.2.2 above, any Party to the Dispute shall be entitled to serve a notice invoking this Clause and making a reference to a sole arbitrator. If the Parties to the Dispute cannot agree as to the

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appointment of the sole arbitrator within 30 days of receipt of the notice of the Party making the reference, then the Shares Seller along with the Company shall appoint one arbitrator and the Selected Bidder shall appoint one arbitrator and the two arbitrators, so appointed shall appoint a third arbitrator. However, after the Closing Date, in such an event the Shares Seller shall appoint one arbitrator and the Selected Bidder along with the Company shall appoint one arbitrator and the two arbitrators, so appointed shall appoint the third arbitrator.

6.2.4 The place of the arbitration shall be New Delhi. The Arbitration proceedings shall be governed by the Arbitration and Conciliation Act, 1996.

6.2.5 The proceedings of arbitration shall be in English language.

6.2.6 The arbitrator's award shall be substantiated in writing. The arbitrators shall also decide on the costs of the arbitration proceedings. In case the arbitrators have not decided on the costs of the arbitration proceedings, each Party to the Dispute shall bear its own costs, in relation to the arbitration proceedings.

6.3 AUTHORISED PERSON

For the purposes of this Agreement, the Selected Bidder is represented by Mr. Neeraj Khandekar, Senior Vice President - Business & Project Development, pursuant to an authorization granted to Mr. Neeraj Khandekar, Senior Vice President - Business & Project Development, through necessary Board resolutions. Further Mr. Neeraj Khandekar, Senior Vice President - Business & Project Development, is also authorized by such resolutions to take any decision which may be required to be taken, do all acts and execute all documents which are or may be required by the Selected Bidder for the proper and effective fulfillment of the rights and obligations under this Agreement. Any action taken or document executed by Mr. Neeraj Khandekar, Senior Vice President - Business & Project Development shall be deemed to be acts done or documents executed by the Selected Bidder and shall be binding on the Selected Bidder.

6.4 RESERVATION OF RIGHTS

No forbearance, indulgence or relaxation or inaction by any Party at any time to require performance of any of the provisions of this Agreement shall in any way affect, diminish or prejudice the right of such Party to require performance of that provision, and any waiver or acquiescence by any Party of any breach of any of the provisions of this Agreement shall not be construed as a waiver or acquiescence of any continuing or succeeding breach of such provisions, a waiver of any right under or arising out of this Agreement or acquiescence to or recognition of rights other than that expressly stipulated in this Agreement.

6.5 CUMULATIVE RIGHTS

All remedies of either Party under this Agreement whether provided herein or conferred by statute, civil law, common law, custom or trade usage, are cumulative and not alternative and may be enforced successively or concurrently.

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6.6 PARTIAL INVALIDITY

If any provision of this Agreement or the application thereof to any person or circumstance shall be invalid or unenforceable to any extent, the remainder of this Agreement and the application of such provision to persons or circumstances other than those as to which it is held invalid or unenforceable shall not be affected thereby, and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law. Any invalid or unenforceable provision of this Agreement shall be replaced with a provision, which is valid and enforceable and most nearly reflects the original intent of the unenforceable provision.

6.7 TERMINATION

If (i) the Closing does not occur on the Closing Date for any reason whatsoever, or (ii) the Letter of Intent is withdrawn or terminated for any reason, or (iii) due to termination of the TSA by Maharashtra State Transmission Utility in accordance with Article 3.3.2 or Article 13 of the TSA thereof, PFCCL shall have a right to terminate this Agreement forthwith by giving a written notice to the other Parties hereto.

6.8 AMENDMENTS

No modification or amendment of this Agreement and no waiver of any of the terms or conditions hereof shall be valid or binding unless made in writing and duly executed by all the Parties.

6.9 ASSIGNMENT

This Agreement and the rights and liabilities hereunder shall bind and inure to the benefit of the respective successors of the Parties hereto, but no Party hereto shall assign or transfer its rights and liabilities hereunder to any other Person without the prior written consent of the other Parties, which will not be unreasonably withheld.

6.10 ENTIRE AGREEMENT

This Agreement constitutes the entire Agreement between the Parties with respect to the subject matter herein and supersedes and cancels any prior oral or written agreement, representation, understanding, arrangement, communication or expression of intent relating to the subject matter of this Agreement.

6.11 COSTS

Each of the Parties hereto shall pay their own costs and expenses relating to the negotiation, preparation and execution of this Agreement and the transactions contemplated by this Agreement.

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The Selected Bidder shall be liable to bear and pay the stamp duty and other costs in respect of this Agreement and the Share Transfer Forms.

6.12 RELATIONSHIP

None of the provisions of this Agreement shall be deemed to constitute a partnership between the Parties hereto and no Party shall have any authority to bind the other Party otherwise than under this Agreement or shall be deemed to be the agent of the other in any way.

6.13 GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by and construed in accordance with the laws of India and shall be subject to the exclusive jurisdiction of the courts of Delhi.

6.14 COUNTERPARTS

This Agreement may be executed in counterparts by the Parties and each fully executed counterpart shall be deemed to be original.

6.15 CONFIDENTIALITY

The Parties undertake to hold in confidence and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

(a) to their professional advisors;

(b) to their officers, employees, agents or representatives, who need to have access to such information for the proper performance of their activities;

(c) disclosures required under Law;

without the prior written consent of the other Parties.

Provided that Maharashtra State Transmission Utility and PFCCL may at any time, disclose the terms and conditions of transactions contemplated hereby to any person, to the extent stipulated under the law or the Bidding Guidelines.

6.16 INDEMNIFICATION

- The Parties hereby agree that transfer of Sale Shares to the Selected Bidder shall vest all the rights, privileges, licenses, responsibilities, liabilities and other obligations pertaining to the Company in the Selected Bidder.
- The Selected Bidder hereby agrees that the Selected Bidder shall not be entitled to any claims or initiate any legal proceedings, by itself or through the Transmission Service Provider against the Share Sellers, its directors, officers, employees and the

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subscribers including the members of any committees appointed by them in respect of any actions or decisions taken by any of them up to the Closing Date in furtherance of the Project referred to in recital A of this Agreement.

- Further, the Selected Bidder hereby indemnifies and holds harmless at all times the Share Seller against all losses, damages, charges, and expenses which the Share Seller may sustain or incur towards contractual obligations with respect to the contracts awarded by the Share Seller or any other liability arising with regard to any action/ activity undertaken by the Share Seller for and on behalf of the Company in furtherance of the Project referred to above or otherwise concerning the Company. All such actions shall be defended by the Selected Bidder either itself or through the TSP at its own cost.

- The Parties hereby agree that the provisions of this clause shall survive the termination of this Agreement.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE DULY EXECUTED AND DELIVERED AS OF THE DAY AND YEAR FIRST ABOVE WRITTEN

SIGNED AND DELIVERED
BY THE WITHIN NAMED " **PFC CONSULTING LIMITED (PFCCL)"**

BY THE HAND OF **SHRI SACHIN ARORA, COMPANY SECRETARY**

PURSUANT TO THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 27th OF AUGUST, 2026

ON THE 28TH DAY OF SEPTEMBER, 2026.

IN THE PRESENCE OF:

WITNESS:
NAME, SIGNATURE, DESIGNATION AND ADDRESS:

SIGNED AND DELIVERED
BY THE WITHIN NAMED "**RAIGAD POWER TRANSMISSION LIMITED"**

BY THE HAND OF **SHRI NAVEEN KUMAR, DIRECTOR**

PURSUANT TO THE
RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 07th OF AUGUST 2026

ON THE 25TH DAY OF SEPTEMBER, 2026

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IN THE PRESENCE OF:

WITNESS: H 1518 Malviya Nagar Delhi 110017
NAME, SIGNATURE, DESIGNATION AND ADDRESS:

SIGNED AND DELIVERED
BY THE WITHIN NAMED **"APRAAVA ENERGY PRIVATE LIMITED"**

BY THE HAND OF **SHRI NEERAJ KHANDEKAR, SENIOR VICE PRESIDENT - BUSINESS & PROJECT DEVELOPMENT**

PURSUANT TO THE

RESOLUTION PASSED BY THE FINANCE & TREASURY COMMITTEE OF THE BOARD OF DIRECTORS ON 24TH APRIL 2026 READ WITH THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS ON 18TH JUNE, 2026

ON THE 28TH DAY OF SEPTEMBER, 2026

IN THE PRESENCE OF:

WITNESS:

NAME, SIGNATURE, DESIGNATION AND ADDRESS: Sumit Sinha
SUMIT KUMAR SINHA
DGM - BD & Project Development
Apraava Energy
Mumbai

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ANNEXURE A

DESCRIPTION OF THE SALE SHARES

S. NO.	NAME OF THE SHAREHOLDER	NUMBER OF EQUITY SHARES HELD	PERCENTAGE OF THE TOTAL PAID UP EQUITY CAPITAL
1.	PFC Consulting Limited	9400	94%
2.	Shri Rakesh Mohan*	100	1%
3.	Shri Neeraj Singh*	100	1%
4.	Shri Sanjay Kumar Nayak*	100	1%
5.	Shri Sachin Shukla*	100	1%
6.	Shri Naveen Kumar*	100	1%
7.	Shri Anubhav Kansal*	100	1%
	Total		**100%**

*Nominee of PFC Consulting Limited

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TRANSMISSION SERVICE AGREEMENT

FOR

DEVELOPMENT AND OPERATION OF INTRA-STATE TRANSMISSION SYSTEM

FOR TRANSMISSION OF ELECTRICITY THROUGH TARIFF BASED COMPETITIVE BIDDING FOR

ESTABLISHMENT OF 765/400/220 kV AIS KANDALGAON (DIST. RAIGAD)

BETWEEN

STATE TRANSMISSION UTILITY, MAHARASHTRA (NODAL AGENCY)

AND

RAIGAD POWER TRANSMISSION LIMITED

SEPTEMBER 28, 2026

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भारतीय गैर न्यायिक

भारत INDIA

रु. 500 FIVE HUNDRED RUPEES

सत्यमेव जयते

पाँच सौ रुपये Rs. 500

INDIA NON JUDICIAL

MAHARASHTRA ◑ 2025 ◑ DW 597381

Sub Treasury Office Vasai

23 SEP 2026

Addl. Treasury Officer

23/09/26

This forms part and parcel of the Transmission Services Agreement signed on the 28th day of September 2026 between the MAHARASHTRA STATE TRANSMISSION UTILITY (MSTU), 4th Floor, Prakashganga, Plot No. C – 19, E-Block, Bandra – Kurla Complex, Bandra (East), Mumbai – 400051 and RAIGAD POWER TRANSMISSION LIMITED, incorporated under the Companies Act, 2013, having its registered office at 1st Floor, Urjanjidhi, 1, Barakhamba Lane, Connaught Place, New Delhi – 110001

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CETS(T) MSETCL

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TRANSMISSION SERVICE AGREEMENT

FOR

DEVELOPMENT AND OPERATION OF INTRA-STATE TRANSMISSION SYSTEM

FOR TRANSMISSION OF ELECTRICITY THROUGH TARIFF BASED COMPETITIVE BIDDING FOR

ESTABLISHMENT OF 765/400/220 kV AIS KANDALGAON (DIST. RAIGAD)

BETWEEN

STATE TRANSMISSION UTILITY, MAHARASHTRA (NODAL AGENCY)

AND

RAIGAD POWER TRANSMISSION LIMITED

SEPTEMBER 28, 2026

CE (STU) MSETCL

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THIS TRANSMISISON SERVICE AGREEMENT (hereinafter referred to as "TSA" or "Agreement" or "the Agreement" or "this Agreement") is made on the twenty-eighth day of September, Two Thousand and Twenty-Six

BETWEEN:

The **STATE TRANSMISSION UTILITY, MAHARASHTRA,** 4th Floor, Prakashganga, Plot No.C-19, E-Block, Bandra-Kurla Complex, Bandra (E), Mumbai – 400051 acting as a Nodal Agency (referred to as the "Nodal Agency"), which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the one part;

AND

RAIGAD POWER TRANSMISSION LIMITED incorporated under the Companies Act, 1956/ Companies Act, 2013 (as the case may be), having its registered office at at 1st Floor, Urjanjidhi, 1, Barakhamba Lane, Connaught Place, New Delhi – 110001 (herein after referred to as "Transmission Service Provider" or "TSP" or " Licensee", which expression shall unless repugnant to the context or meaning thereof include its successors, and permitted assigns) as Party of the other part;

("Nodal Agency" and "TSP" are individually referred to as "Party" and collectively as the "Parties")

AND WHEREAS:

A) In accordance with the Bidding Guidelines, the Bid Process Coordinator (hereinafter referred to as BPC) had initiated a competitive e-reverse bidding process through issue of RFP for selecting a Successful Bidder to build, own, operate and transfer the Project comprising of the Elements mentioned in Schedule 1 (hereinafter referred to as the Project)

B) Pursuant to the said e-reverse bidding process, the BPC has identified the Successful Bidder, who will be responsible to set up the Project on build, own, operate and transfer basis to provide Transmission Service in accordance with the terms of this Agreement and the Transmission License.

C) The Selected Bidder have submitted the Contract Performance Guarantee and acquired one hundred percent (100%) of the equity shareholding of **RAIGAD POWER TRANSMISSION LIMITED**, along with all its related assets and liabilities in terms of the provisions of the Share Purchase Agreement.

D) The TSP has agreed to make an application for a Transmission License to the State Commission for setting up the Project on build, own, operate and transfer basis.

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E) The TSP has further agreed to make an application to the State Commission for the adoption of the Transmission Charges under Section 63 of the Electricity Act, 2003, along with a certification from the Bid Evaluation Committee in accordance with the Bidding Guidelines issued by Ministry of Power, Government of India.

F) The TSP has agreed to execute the agreement(s) required, if any, under MERC MYT Regulations within fifteen (15) days from the date of grant of Transmission License from the State Commission.

G) The TSP agrees to the terms and conditions laid down under MERC MYT Regulations, for making available the intra-state Transmission System and charge the Transmission Charges in accordance with the terms and conditions of MERC MYT Regulations.

H) The billing, collection and disbursement of the Transmission Charges by the MSTU to the Licensee shall be governed as per MERC MYT Regulations.

I) The terms and conditions stipulated in the Transmission License issued by the State Commission to the TSP shall be applicable to this Agreement and the TSP agrees to comply with these terms and conditions. In case of inconsistency between the Transmission License terms & conditions and the conditions of this Agreement, the conditions stipulated in the Transmission License granted by the State Commission shall prevail.

NOW, THEREFORE, IN CONSIDERATION OF THE PREMISES AND MUTUAL AGREEMENTS, COVENANTS AND CONDITIONS SET FORTH HEREIN, IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

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ARTICLE: 1

1. DEFINITIONS AND INTERPRETATIONS

1.1 Definitions:

1.1.1 The words / expressions used in this Agreement, unless as defined below or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 and the rules or regulations framed there under including those issued / framed by the State Commission (as defined hereunder), as amended or re-enacted from time to time or the General Clauses Act, failing which it shall bear its ordinary English meaning.

The words/expressions when used in this Agreement shall have the respective meanings as specified below:

"Acquisition Price" shall have the same meaning as defined in the Share Purchase Agreement;

"Act" or "**Electricity Act**" or **"Electricity Act 2003"** shall mean the Electricity Act, 2003 and any amendments made to the same or any succeeding enactment thereof;

"Affiliate" shall mean a company that either directly or indirectly

i. controls or

ii. is controlled by or

iii. is under common control with

a Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and "**control**" means ownership by one entity of at least twenty six percent (26%) of the voting rights of the other entity;

"Availability" in relation to the Project or in relation to any Element of the Project, for a given period shall mean the time in hours during that period the Project is capable to transmit electricity at its Rated Voltage and shall be expressed in percentage of total hours in the given period and shall be calculated as per the procedure contained in Annexure –VI to the Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024, attached herewith in Schedule 6;

"Bid" shall mean technical bid and financial bid submitted by the Bidder, in response to the RFP, in accordance with the terms and conditions of the RFP;

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"Bid Deadline" shall mean the last date and time for submission of the Bid in response to RFP, as specified in the RFP;

"Bidding Company" shall refer to such single company that has made a Response to RFP for the Project;

"Bidding Consortium / Consortium" shall refer to a group of companies that has collectively made a Response to RFP for the Project;

"Bid Documents" or **"Bidding Documents"** shall mean the RFP, along with all attachments thereto or clarifications thereof;

"Bidding Guidelines" shall mean the "Tariff Based Competitive Bidding Guidelines for Transmission Service" and "Guidelines for Encouraging Competition in Development of Transmission Projects" issued by Government of India, Ministry of Power under Section – 63 of the Electricity Act as amended from time to time;

"Bid Process Coordinator" or **"BPC"** shall mean a person or its authorized representative as notified by the Government of Maharashtra, responsible for carrying out the process for selection of Bidder who will acquire Transmission Service Provider.

"Bill" shall mean any bill raised by the MSTU on the LTTUs to recover the Transmission Charges pursuant to the MERC MYT Regulations.

"Business Day" shall mean a day other than Sunday or a statutory holiday, on which the banks remain open for business in the State in which the Nodal Agency's registered office is located and the concerned TSP are located;

"CEA" shall mean the Central Electricity Authority constituted under Section -70 of the Electricity Act;

"Change in law" shall have the meaning ascribed thereto in Article 12;

"Commercial Operation Date" or **"COD"** shall mean the date as per Article 6.2;

"Central Commission" or **"CERC"** shall mean the Central Electricity Regulatory Commission referred to in sub-section (1) of Section 76 of the Electricity Act, 2003 or its successors and assigns;

"Competent Court of Law" shall mean the Supreme Court or any High Court, or any tribunal or any similar judicial or quasi-judicial body in India that has jurisdiction to adjudicate upon issues relating to the Project;

"Connection Agreement" shall mean the agreement between the MSTU or CTU or any other concerned parties and the TSP, setting out the terms relating to the

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connection of the Project to the Inter-connection Facilities and use of the Inter State Transmission System/ Intra State Transmission System (as the case may be) as per the provisions of the IEGC/State Grid Code, as the case may be;

"Consultation Period" shall mean the period of sixty (60) days or such longer period as the Parties may agree, commencing from the date of issue of a TSP's Preliminary Notice or a Nodal Agency's Preliminary Termination Notice, as provided in Article 13 of this Agreement, for consultation between the Parties to mitigate the consequence of the relevant event having regard to all the circumstances;

"Consents, Clearances and Permits" shall mean all authorizations, licenses, approvals, registrations, permits, waivers, privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the development, execution and operation of Project including without any limitation for the construction, ownership, operation and maintenance of the Transmission Lines and/or sub-stations;

"Construction Period" shall mean the period from (and including) the Effective Date of the Transmission Service Agreement up to (but not including) the COD of the Element of the Project in relation to an Element and up to (but not including) the COD of the Project in relation to the Project;

"Contractors" shall mean the engineering, procurement, construction, operation & maintenance contractors, surveyors, advisors, consultants, designers, suppliers to the TSP and each of their respective sub-contractors (and each of their respective successors and permitted assigns) in their respective capacities as such;

"Contract Performance Guarantee" shall mean the irrevocable unconditional bank guarantee, or insurance surety bond or Payment on Order Instrument submitted and to be submitted by the TSP or by the Selected Bidder on behalf of the TSP to the Nodal Agency from a bank mentioned in Annexure 17 of the RFP, in the form attached here to as Schedule 8 (for bank guarantee) or Schedule-8A (for insurance surety bond issued by any of the insurance companies authorized by Insurance Regulatory and Development Authority of India), or Schedule-8B (for Payment on Order Instrument issued by PFC/REC/IREDA) in accordance with Article 3 of this Agreement and which shall include the additional bank guarantee or insurance surety bond or Payment on Order Instrument furnished by the TSP under this Agreement;

"Contract Year", for the purpose of payment of Transmission Charges, shall mean the period beginning on the COD, and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and

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ending on March 31 provided that the last Contract Year shall end on the last day of the term of the TSA;

"CTU" or **"Central Transmission Utility"** shall have same meaning as defined in the Electricity Act, 2003;

"Day" shall mean a day starting at 0000 hours and ending at 2400 hours;

"D/C" shall mean Double Circuit;

"Dispute" shall mean any dispute or difference of any kind between the Parties, in connection with or arising out of this Agreement including any issue on the interpretation and scope of the terms of this Agreement as provided in Article 16;

"Effective Date" for the purposes of this Agreement, shall have the same meaning as per Article 2.1 of this Agreement;

"Electrical Inspector" shall mean a person appointed as such by the Government under sub-section (1) of Section 162 of the Electricity Act 2003 and also includes Chief Electrical Inspector;

"Electricity Rules 2005" shall mean the rules framed pursuant to the Electricity Act 2003 and as amended from time to time;

"Element" shall mean each Transmission Line or each circuit of the Transmission Lines (where there are more than one circuit) or each bay of Sub-station or switching station or HVDC terminal or inverter station of the Project, including ICTs, Reactors, SVC, FSC, etc. forming part of the Intra-State Transmission System, which will be owned, operated and maintained by the concerned Licensee, and which has a separate Scheduled COD as per Schedule 2 of this Agreement and has a separate percentage for recovery of Transmission Charges on achieving COD as per Schedule 5 of this Agreement;

"Event of Default" shall mean the events as defined in Article 13 of this Agreement;

"Expiry Date" shall be the date which is thirty five (35) years from the COD of the Project;

"Financial Closure" shall mean the first Business Day on which funds are made available to the TSP pursuant to the Financing Agreements;

"Financially Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the financial requirement set forth in the RFP;

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"Financing Agreements" shall mean the agreements pursuant to which the TSP is to finance the Project including the loan agreements, security documents, notes, indentures, security agreements, letters of credit and other documents, as may be amended, modified, or replaced from time to time, but without in anyway increasing the liabilities of the Long Term Transmission System Users / Nodal Agency;

"Financial Year" shall mean a period of twelve months at midnight Indian Standard Time (IST) between 1st April & 31st March;

"Force Majeure" and **"Force Majeure Event"** shall have the meaning assigned thereto in Article 11;

"GOI" shall mean Government of India;

"Grid Code" / "IEGC" shall mean the Grid Code specified by the Central Commission under Clause (h) of sub-section (1) of Section 79 of the Electricity Act;

"Independent Engineer" shall mean an agency/ company, appointed by Nodal Agency in accordance with the Guidelines for Encouraging Competition in Development of Transmission Projects.

"Indian Governmental Instrumentality" shall mean Government of India, Government of any State in India or any ministry, department, board, authority, agency, corporation, commission under the direct or indirect control of Government of India or any State Government or both, any political sub-division of any of them including any court or CERC or MERC or tribunal or judicial or quasi-judicial body in India but excluding the CTU, MSTU, TSP and the LTTUs;

"Insurances" shall mean the insurance cover to be obtained and maintained by the TSP in accordance with Article 9 of this Agreement;

"Interconnection Facilities" shall mean the facilities as may be set up for transmission of electricity through the use of the Project, on either one or both side of generating station's / CTU/ MSTU / ISTS Licensee's / LTTU's substations (as the case may be) which shall include, without limitation, all other transmission lines, gantries, sub-stations and associated equipment's not forming part of the Project;

"Licensee" shall be the TSP under this Agreement, consequent to having been awarded a Transmission License by the MERC and shall be referred to as the TSP or the Licensee, as the context may require in this Agreement;

"Law" or "Laws" in relation to this Agreement, shall mean all laws including electricity laws in force in India and any statute, ordinance, rule, regulation,

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notification, order or code, or any interpretation of any of them by an Indian Governmental Instrumentality having force of law and shall include all rules, regulations, decisions and orders of the State Commission;

"Lead Member of the Bidding Consortium" or "Lead Member" shall mean a company who commits at least 26% equity stake in the Project, meets the technical requirement as specified in the RFP and so designated by other Member(s) in Bidding Consortium;

"Lenders" means the banks, financial institutions, multilateral funding agencies, non-banking financial companies registered with the Reserve Bank of India (RBI), insurance companies registered with the Insurance Regulatory & Development Authority (IRDA), pension funds regulated by the Pension Fund Regulatory & Development Authority (PFRDA),mutual funds registered with Securities & Exchange Board of India (SEBI), etc., including their successors and assigns, who have agreed on or before COD of the Project to provide the TSP with the debt financing described in the capital structure schedule, and any successor banks or financial institutions to whom their interests under the Financing Agreements may be transferred or assigned;

Provided that, such assignment or transfer shall not relieve the TSP of its obligations to the Nodal Agency under this Agreement in any manner and shall also does not lead to an increase in the liability of the Nodal Agency;

"Lenders Representative" shall mean the person notified by the Lender(s) in writing as being the representative of the Lender(s) or the Security Trustee and such person may from time to time be replaced by the Lender(s) pursuant to the Financing Agreements by written notice to the TSP;

"Letter of Intent" or **"LOI"** shall have the same meaning as in the RFP;

"Long Term Transmission System User" or **"LTTSU"** shall have the meaning as described in Maharashtra Electricity Regulatory Commission (Transmission Open Access) Regulations, 2016 as amended from time to time.

"Member in a Bidding Consortium / Member" shall mean each company in the Bidding Consortium;

"MERC MYT Regulations" shall mean Maharashtra Electricity Regulatory Commission (Multi Year Tariff), Regulations, 2024, as amended from time to time;

"Month" shall mean a period of thirty (30) days from (and excluding) the date of the event;

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"Monthly Transmission Charges" for any Element of the Project, after COD of the Element till COD of the Project, and for the Project after COD of the Project, shall mean the amount of Transmission Charges as specified in Schedule 5 of this Agreement multiplied by no. of days in the relevant month and divided by no. of days in the year;

"National Load Despatch Centre" shall mean the centre established as per sub-section (1) of Section 26 of the Electricity Act 2003;

"**Nodal Agency**" shall mean Maharashtra State Transmission Utility (MSTU), which shall execute and implement the Transmission Service Agreement (TSA);

"Notification" shall mean any notification, issued in the Gazette of India/ Govt of Maharashtra;

"Operating Period" for any Element of the Project shall mean the period from (and including) the COD of such Element of the Project, up to (and including) the Expiry Date and for the Project, shall mean the period from (and including) the COD of the Project, up to (and including) the Expiry Date;

"Parent Company" shall mean an entity that holds at least twenty six percent (26%) of the paid - up equity capital directly or indirectly in the Bidding Company or in the Member in a Bidding Consortium, as the case may be;

"Payment on Order Instrument" shall mean Letter of Undertaking from Indian Renewable Energy Development Agency Limited (IREDA) or Power Finance Corporation Limited (PFC) or REC Limited (REC) [the three non-banking financial institutions under Ministry of New & Renewable Energy (MNRE)/ Ministry of Power (MoP), to pay in case situation of default of Transmission Service Provider (TSP) in terms of tender conditions/Power Purchase Agreement (PPA) arises. Such Letter (s) will have same effect as that of a Bank Guarantee issued by any public any public sector bank. Such "Payment on Order instrument" would have terms and conditions similar to that of any Bank Guarantee given by any public sector bank and would promise to pay the Nodal Agency on demand within stipulated time. TSPs can seek such Letter(s) by offering due security to the above mentioned three non-banking financial institutions mentioned above (IREDA, PFC & REC). Nodal Agency shall not accept the instrument of 'Letter of Undertaking' as described above or in any other form, from any other non-banking financial institutions or bank, except IREDA, PFC & REC.

"Preliminary Termination Notice" shall mean a Nodal Agency's Preliminary Termination Notice as defined in Article 13 of this Agreement;

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"Project" shall mean **"ESTABLISHMENT OF 765/400/220 kV AIS KANDALGAON (DIST. RAIGAD)",** as detailed in Schedule 1 of this Agreement;

"**Project Assets**" shall mean all physical and other assets relating to and forming part of the Project including:

(a) rights over the Site for substations, ROW for transmission lines;

(b) tangible & intangible assets such as civil works and equipment including foundations, embankments, pavements, electrical systems, communication systems, relief centres, administrative offices, Sub-stations, software, tower and sub-stations designs etc;

(c) project facilities situated on the Site;

(d) all rights of the TSP under the project agreements;

(e) financial assets, such as receivables, security deposits etc;

(f) insurance proceeds; and

(g) Applicable Permits and authorisations relating to or in respect of the Transmission System;"

"Project Execution Plan" shall mean the plan referred to in Article 3.1.3(c) hereof;

"Prudent Utility Practices" shall mean the practices, methods and standards that are generally accepted internationally from time to time by electric transmission utilities for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of the Project and which practices, methods and standards shall be adjusted as necessary, to take account of:

(i) operation, repair and maintenance guidelines given by the manufacturers to be incorporated in the Project,
(ii) the requirements of Law, and
(iii) the physical conditions at the Site;
(iv) the safety of operating personnel and human beings;

"Rated Voltage" shall mean voltage at which the Transmission System is designed to operate or such lower voltage at which the line is charged, for the time being, in consultation with the State Transmission Utility;

"Rebate" shall have the meaning as ascribed to in Article 10.3 of this Agreement;

"RFP" shall mean Request For Proposal dated **04.11.2025** along with all schedules, annexures and RFP Project Documents attached thereto, issued by the BPC for

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tariff based competitive bidding process for selection of Bidder as TSP to execute the Project, including any modifications, amendments or alterations thereto;

"RFP Project Documents" shall mean the following documents to be entered into in respect of the Project, by the Parties to the respective agreements:

a. Transmission Service Agreement,
b. Share Purchase Agreement,
c. Agreement(s) required under MERC MYT Regulations and
d. Any other agreement as may be required;

"RLDC" shall mean the relevant Regional Load Dispatch Centre as defined in the Electricity Act, 2003, in the region(s) in which the Project is located;

"RPC" shall mean the relevant Regional Power Committee established by the Government of India for the specific Region(s) in accordance with the Electricity Act, 2003 for facilitating integrated operation of the Power System in that Region;

"Scheduled COD" in relation to an Element(s) shall mean the date(s) as mentioned in Schedule 2 as against such Element(s) and in relation to the Project, shall mean the date as mentioned in Schedule 2 as against such Project, subject to the provisions of Article 4.4 of this Agreement, or such date as may be mutually agreed among the Parties;

"Scheduled Outage" shall mean the final outage plan as approved by the RPC as per the provisions of the Grid Code;

"Selected Bid" shall mean the technical Bid and the Final Offer of the Selected Bidder submitted during e-reverse bidding, which shall be downloaded and attached in Schedule 7 on or prior to the Effective Date;

"Share Purchase Agreement" shall mean the agreement amongst **PFC Consulting Limited (PFCCL)**, SPV **RAIGAD POWER TRANSMISSION LIMITED** and the Successful Bidder for the purchase of one hundred (100%) per cent of the shareholding of the SPV **RAIGAD POWER TRANSMISSION LIMITED** for the Acquisition Price, by the Successful Bidder on the terms and conditions as contained therein;

"Sharing Regulations" shall mean the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2020 and as amended from time to time;

"Site" in relation to a substation, switching station or HVDC terminal or inverter station, shall mean the land and other places upon which such station / terminal is to be established;

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"SLDC" or "Maharashtra SLDC" shall mean the Maharashtra State Load Despatch Centre established as per sub-section (1) of Section 31 of the Electricity Act 2003;

"State Commission" or **"MERC"** shall mean the Maharashtra Electricity Regulatory Commission referred to in sub-section (1) of section 82 of the Electricity Act, 2003 or its successors and assigns;

"Maharashtra State Transmission Utility (MSTU)" or **"State Transmission Utility"** shall be the Board or the Government company, specified as such by the State Government under sub-section (1) of Section 39 of the Electricity Act 2003;

"State Government" shall mean the Government of Maharashtra;

"Successful Bidder" or **"Selected Bidder"** shall mean the Bidder selected pursuant to the RFP and who has to acquire one hundred percent (100%) equity shares of **RAIGAD POWER TRANSMISSION LIMITED,** along with all its related assets and liabilities, which will be responsible as the TSP to establish the Project on build, own, operate and transfer basis as per the terms of the TSA and other RFP Project Documents;

"TSP's Preliminary Notice" shall mean a notice issued by the TSP in pursuant to the provisions of Article 13.3 of this Agreement;

"Target Availability" shall have the meaning as ascribed hereto in Article 8.2 of this Agreement;

"Technically Evaluated Entity" shall mean the company which has been evaluated for the satisfaction of the technical requirement set forth in RFP;

"Termination Notice" shall mean a Nodal Agency's Termination Notice given by the Nodal Agency to the TSP pursuant to the provisions of Articles 3.3.2, 3.3.4, 4.4.2, 5.8, 13.2 and 13.3 of this Agreement for the termination of this Agreement;

"Term of Agreement" for the purposes of this Agreement shall have the meaning ascribed thereto in Article 2.2 of this Agreement;

"Transmission Charges" shall mean the Final Offer of the Selected Bidder during the e-reverse bidding and adopted by the State Commission, payable to the TSP as per MERC MYT Regulations;

"Transmission License" shall mean the license granted by the MERC in terms of the relevant regulations for grant of such license issued under the Electricity Act;

"Transmission Service" shall mean making the Project available as per the terms and conditions of this Agreement and MERC MYT Regulations;

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"Unscheduled Outage" shall mean an interruption resulting in reduction of the Availability of the Element(s) / Project (as the case may be) that is not a result of a Scheduled Outage or a Force Majeure Event.

"Ultimate Parent Company" shall mean an entity which owns at least twenty six percent (26%) equity in the Bidding Company or Member of a Consortium, (as the case may be) and in the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) and such Bidding Company or Member of a Consortium, (as the case may be) and the Technically Evaluated Entity and / or Financially Evaluated Entity (as the case may be) shall be under the direct control or indirectly under the common control of such entity;

1.2 Interpretation:

Save where the contrary is indicated, any reference in this Agreement to:

"Agreement" shall be construed as including a reference to its Schedules, Appendices and Annexures;

"Rupee", "Rupees" and **"Rs."** shall denote lawful currency of India;

"crore" shall mean a reference to ten million (10,000,000) and a **"lakh"** shall mean a reference to one tenth of a million (1,00,000);

"encumbrance" shall be construed as a reference to a mortgage, charge, pledge, lien or other encumbrance securing any obligation of any person or any other type of preferential arrangement (including, without limitation, title transfer and retention arrangements) having a similar effect;

"holding company" of a company or corporation shall be construed as a reference to any company or corporation of which the other company or corporation is a subsidiary;

"indebtedness" shall be construed so as to include any obligation (whether incurred as principal or surety) for the payment or repayment of money, whether present or future, actual or contingent;

"person" shall have the meaning as defined in Section 2 (49) of the Act;

"subsidiary" of a company or corporation (the holding company) shall be construed as a reference to any company or corporation:

(i) which is controlled, directly or indirectly, by the holding company, or

(ii) more than half of the issued share capital of which is beneficially owned, directly or indirectly, by the holding company, or

(iii) which is a subsidiary of another subsidiary of the holding company,

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for these purposes, a company or corporation shall be treated as being controlled by another if that other company or corporation is able to direct its affairs and/or to control the composition of its board of directors or equivalent body;

"winding-up", **"dissolution"**, **"insolvency"**, or **"reorganization"** in the context of a company or corporation shall have the same meaning as defined in the Companies Act, 1956/ Companies Act, 2013 (as the case may be).

1.2.1 Words importing the singular shall include the plural and vice versa.

1.2.2 This Agreement itself or any other agreement or document shall be construed as a reference to this or to such other agreement or document as it may have been, or may from time to time be, amended, varied, novated, replaced or supplemented.

1.2.3 A Law shall be construed as a reference to such Law including its amendments or re-enactments from time to time.

1.2.4 A time of day shall, save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.

1.2.5 Different parts of this Agreement are to be taken as mutually explanatory and supplementary to each other and if there is any inconsistency between or among the parts of this Agreement, they shall be interpreted in a harmonious manner so as to give effect to each part.

1.2.6 The tables of contents and any headings or sub-headings in this Agreement have been inserted for ease of reference only and shall not affect the interpretation of this Agreement.

1.2.7 All interest payable under this Agreement shall accrue from day to day and be calculated on the basis of a year of three hundred and sixty five (365) days.

1.2.8 The words "hereof" or "herein", if and when used in this Agreement shall mean a reference to this Agreement.

1.2.9 The contents of Schedule 7 shall be referred to for ascertaining accuracy and correctness of the representations made by the Selected Bidder in Article 17.2.1 hereof.

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ARTICLE: 2

2. EFFECTIVENESS AND TERM OF AGREEMENT

2.1 Effective Date:

This Agreement shall be effective from later of the dates of the following events:

a. The Selected Bidder, on behalf of the TSP, has provided the Contract Performance Guarantee, as per terms of Article 3.1 of this Agreement; and

b. The Selected Bidder has acquired for the Acquisition Price, one hundred percent (100%) of the equity shareholding of **PFC Consulting Limited** in **RAIGAD POWER TRANSMISSION LIMITED** along with all its related assets and liabilities as per the provisions of the Share Purchase Agreement. and

c. The Agreement is executed and delivered by the Parties;

2.2 Term and Termination:

2.2.1 Subject to Article 2.2.3 and Article 2.4, this Agreement shall continue to be effective in relation to the Project until the Expiry Date, when it shall automatically terminate.

2.2.2 Post the Expiry Date of this Agreement, the TSP shall ensure transfer of Project Assets to MSTU or its successors or an agency as decided by the Government of Maharashtra at zero cost and free from any encumbrance and liability. The transfer shall be completed within 90 days of expiry of this Agreement failing which MSTU or its successors or an agency as decided by the Government of Maharashtra shall be entitled to take over the Project Assets Suo moto.

2.2.3 This Agreement shall terminate before the Expiry Date in accordance with Article 13 or Article 3.3.2 or Article 3.3.4.

2.3 Conditions prior to the expiry of the Transmission License

In order to continue the Project beyond the expiry of the Transmission License, the TSP shall be obligated to make an application to the State Commission at least two (2) years before the date of expiry of the Transmission License, seeking the State Commission's approval for the extension of the term of the Transmission License up to the Expiry Date.

2.3.1 The TSP shall timely comply with all the requirements that may be laid down by the State Commission for extension of the term of the Transmission License beyond the initial term of twenty-five (25) years & upto the Expiry Date and the TSP shall keep the Nodal Agency fully informed about the progress on its application for extension of the term of the Transmission License.

2.4 Survival:

The expiry or termination of this Agreement shall not affect any accrued rights, obligations/ roles and liabilities of the Parties under this Agreement, including the right to receive liquidated damages as per the terms of this Agreement, nor shall it

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effect the survival of any continuing obligations/ roles for which this Agreement provides, either expressly or by necessary implication, which are to survive after the Expiry Date or termination including those under Articles 3.3.3, 3.3.5, Article 9.3 (Application of Insurance Proceeds), Article 11 (Force Majeure), Article 13 (Events of Default and Termination), Article 14 (Liability & Indemnification), Article 16 (Governing Law & Dispute Resolution), Article 19 (Miscellaneous).

2.5 Applicability of the provisions of this Agreement

2.5.1 For the purpose of Availability, Target Availability and the computation of Availability, Incentive, Penalty, the provisions provided in this Agreement shall apply and any future modifications in the relevant Rules and Regulations shall not be applicable for this Project.

2.5.2 For the purposes of this Agreement for Intra-State Transmission systems developed under the tariff based competitive bidding framework, the provisions relating to the definitions (Availability and COD), Article 3 (Contract Performance Guarantee and Conditions Subsequent), Article 5 (Construction of the Project), Article 6 (Connection and Commissioning of the Project), Article 8 (Target Availability and calculation of Availability), Article 11 (Force Majeure), Article 12 (Change in Law), Article 13 (Event of Default), Article 14 (Indemnification), Article 15 (Assignment and Charges), Articles 16.1, 16.2 and 16.4 (Governing Laws and Dispute Resolution) and Article 17 (representation and warranties of the Licensee) of this agreement shall supersede the corresponding provisions under MERC MYT Regulations.

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ARTICLE: 3

3. CONDITIONS SUBSEQUENT

3.1 Satisfaction of conditions subsequent by the TSP

3.1.1 Within ten (10) days from the date of issue of Letter of Intent, the Selected Bidder, shall:

a. Provide the Contract Performance Guarantee, and

b. Acquire, for the Acquisition Price, one hundred percent (100%) equity shareholding of **RAIGAD POWER TRANSMISSION LIMITED** from **PFC Consulting Limited**, who shall sell to the Selected Bidder, the equity shareholding of **RAIGAD POWER TRANSMISSION LIMITED,** along with all its related assets and liabilities.

c. Execute this Agreement;

The TSP shall, within five (5) working days from the date of acquisition of SPV by the Selected Bidder, undertake to apply to the State Commission for the grant of Transmission License and for the adoption of tariff as required under section-63 of the Electricity Act.

The Selected Bidder, on behalf of the TSP, will provide to the **STATE TRANSMISSION UTILITY,MAHARASHTRA** (being the Nodal Agency) the Contract Performance Guarantee for an amount of **Rs. 54.90 Crore (Rupees Fifty-Four Crore Ninety Lakh Only).**

3.1.2 The Contract Performance Guarantee shall be initially valid for a period up to three (3) months after the Scheduled COD of the Project and shall be extended from time to time to be valid for a period up to three (3) months after the COD of the Project. In case the validity of the Contract Performance Guarantee is expiring before the validity specified in this Article, the TSP shall, at least thirty (30) days before the expiry of the Contract Performance Guarantee, replace the Contract Performance Guarantee with another Contract Performance Guarantee or extend the validity of the existing Contract Performance Guarantee until the validity period specified in this Article.

3.1.3 The TSP agrees and undertakes to duly perform and complete the following activities within six (6) months from the Effective Date (except for c) below), unless such completion is affected due to any Force Majeure Event, or if any of the activities is specifically waived in writing by the Nodal Agency:

a. To obtain the Transmission License for the Project from the State Commission;

b. To obtain the order for adoption of Transmission Charges by the State

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Commission, as required under Section 63 of the Electricity Act 2003;

c. To submit to the Nodal Agency & Independent Engineer, the Project Execution Plan, immediately after award of contract(s) and maximum within one hundred and twenty (120) days from the Effective Date. Also, an approved copy each of Manufacturing Quality Plan (MQP) and Field Quality Plan (FQP) would be submitted to Independent Engineer & Nodal Agency in the same time period. The TSP's Project Execution Plan should be in conformity with the Scheduled COD as specified in Schedule 2 of this Agreement, and shall bring out clearly the organization structure, time plan and methodology for executing the Project, award of major contracts, designing, engineering, procurement, shipping, construction, testing and commissioning to commercial operation;

d. To submit to the Nodal Agency & Independent Engineer a detailed bar (GANTT) chart of the Project outlining each activity (taking longer than one Month), linkages as well as durations;

e. To submit to the Nodal Agency & Independent Engineer detailed specifications of conductor meeting the functional specifications specified in RFP;

f. To achieve Financial Closure;

g. To provide an irrevocable letter to the Lenders duly accepting and acknowledging the rights provided to the Lenders under the provisions of Article 15.3 of this Agreement and all other RFP Project Documents;

h. To award the Engineering, Procurement and Construction contract ("EPC contract") for the design and construction of the Project and shall have given to such Contractor an irrevocable notice to proceed; and

i. To sign the Agreement(s) required, if any, under MERC MYT Regulations.

3.2 Recognition of Lenders' Rights by the Nodal Agency

3.2.1 The Nodal Agency hereby accepts and acknowledges the rights provided to the Lenders as per Article 15.3 of this Agreement and all other RFP Project Documents.

3.3 Consequences of non-fulfilment of conditions subsequent

3.3.1 If any of the conditions specified in Article 3.1.3 is not duly fulfilled by the TSP even within three (3) Months after the time specified therein, then on and from the expiry of such period and until the TSP has satisfied all the conditions specified in Article 3.1.3, the TSP shall, on a monthly basis, be liable to furnish to **STATE TRANSMISSION UTILITY,MAHARASHTRA (being the Nodal Agency)** additional Contract Performance Guarantee of **Rs. 5.49 Crore (Rupees Five Crore Forty-nine Lakh Only)** within two (2) Business Days of expiry of every such

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Month. Such additional Contract Performance Guarantee shall be provided to **STATE TRANSMISSION UTILITY, MAHARASHTRA (being the Nodal Agency)** in the manner provided in Article 3.1.1 and shall become part of the Contract Performance Guarantee and all the provisions of this Agreement shall be construed accordingly. **STATE TRANSMISSION UTILITY, MAHARASHTRA (being the Nodal Agency)** shall be entitled to hold and / or invoke the Contract Performance Guarantee, including such additional Contract Performance Guarantee, in accordance with the provisions of this Agreement.

3.3.2 Subject to Article 3.3.4, if:

(i) the fulfilment of any of the conditions specified in Article 3.1.3 is delayed beyond nine (9) Months from the Effective Date and the TSP fails to furnish additional Contract Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof; or

(ii) the TSP furnishes additional Performance Guarantee to the Nodal Agency in accordance with Article 3.3.1 hereof but fails to fulfil the conditions specified in Article 3.1.3 within a period of twelve (12) months from the Effective Date,

the Nodal Agency shall have the right to terminate this Agreement, by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

3.3.3 If the Nodal Agency elects to terminate this Agreement as per the provisions of Article 3.3.2, the TSP shall be liable to pay to the Nodal Agency an amount of **Rs. 54.90 Crore (Rupees Fifty-Four Crore Ninety Lakh Only)** as liquidated damages. The Nodal Agency shall be entitled to recover this amount of damages by invoking the Contract Performance Guarantee to the extent of liquidated damages, which shall be required by the Nodal Agency, and the balance shall be returned to TSP, if any.

It is clarified for removal of doubt that this Article shall survive the termination of this Agreement.

3.3.4 In case of inability of the TSP to fulfil the conditions specified in Article 3.1.3 due to any Force Majeure Event, the time period for fulfilment of the condition subsequent as mentioned in Article 3.1.3, may be extended for a period of such Force Majeure Event. Alternatively, if deemed necessary, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement and the Contract Performance Guarantee shall be returned as per the provisions of Article 6.5.1.

Provided, that due to the provisions of this Article 3.3.4, any increase in the time period for completion of conditions subsequent mentioned under Article 3.1.3, shall lead to an equal increase in the time period for the Scheduled COD. If the Scheduled COD is extended beyond a period of one hundred eighty (180) days due to the

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provisions of this Article 3.3.4, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

3.3.5 Upon termination of this Agreement as per Articles 3.3.2 and 3.3.4, the Nodal Agency may take steps to bid out the Project again.

3.3.6 The Nodal agency, on the failure of the TSP to fulfil its obligations, if it considers that there are sufficient grounds for so doing, apart from invoking the Contract Performance Guarantee under para 3.3.3 may also initiate proceedings for blacklisting the TSP as per provisions of Article 13.2 of TSA.

3.4 Progress Reports

The TSP shall notify the Nodal Agency in writing at least once a Month on the progress made in satisfying the conditions subsequent in Articles 3.1.3.

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ARTICLE: 4

4. DEVELOPMENT OF THE PROJECT

4.1 TSP's obligations in development of the Project:

Subject to the terms and conditions of this Agreement, the TSP at its own cost and expense shall observe, comply with, perform, undertake and be responsible:

a. for procuring and maintaining in full force and effect all Consents, Clearances and Permits, required in accordance with Law for development of the Project;

b. for financing, constructing, owning and commissioning each of the Element of the Project for the scope of work set out in Schedule 1 of this Agreement in accordance with:

i. the Electricity Act and the Rules made thereof;

ii. the Grid Code;

iii. the CEA Regulations applicable, and as amended from time to time, for Transmission Lines and sub-stations:

- the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007;
- Central Electricity Authority (Technical Standards for construction of Electrical Plants and Electric Lines) Regulation, 2010;
- Central Electricity Authority (Grid Standard) Regulations, 2010;
- Central Electricity Authority (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulation, 2011;
- Central Electricity Authority (Measures relating to Safety and Electricity Supply) Regulation, 2010;
- Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020.

iv. Safety/ security Guidelines laid down by the Central and State Government;

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v. Prudent Utility Practices, relevant Indian Standards and the Law;

not later than the Scheduled COD as per Schedule 2 of this Agreement;

c. for entering into a Connection Agreement with the concerned parties in accordance with the Grid Code.

d. for owning the Project throughout the term of this Agreement free and clear of any encumbrances except those expressly permitted under Article 15 of this Agreement;

e. to co-ordinate and liaise with concerned agencies and provide on a timely basis relevant information with regard to the specifications of the Project that may be required for interconnecting the Project with the Interconnection Facilities;

f. for providing all assistance to the Arbitrators as they may require for the performance of their duties and responsibilities;

g. to provide to the Nodal Agency, on a monthly basis, progress reports with regard to the Project and its execution (in accordance with prescribed form) to enable the Nodal Agency to monitor and co-ordinate the development of the Project matching with the Interconnection Facilities;

h. to comply with Ministry of Power Orders No. P-45021/2/2017-PP (BE-II)- Part (4) Vol.II dated 19.07.2024 as well as other Guidelines issued by Govt. of India pertaining to this;

i. to procure the products associated with the Transmission System as per provisions of Public Procurement (Preference to Make in India) orders issued by Ministry of Power vide orders No. P45021/2/2017-PP (BE-II)-Part (4) Vol.II dated 19.07.2024 for transmission sector, as amended from time to time read with Department for Promotion of Industry and Internal Trade (DPIIT) orders in this regard (Procuring Entity as defined in above orders shall deemed to have included Selected Bidder and/ or TSP).

Also, to comply with Department of Expenditure, Ministry of Finance vide OM No. F.7/10/2021-PPD (1) dated 23.02.2023, as amended from time to time, regarding public procurement from a bidder of a country, which shares land border with India;

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j. to submit to Nodal Agency information in the prescribed format [To be devised by Nodal Agency] for ensuring compliance to Article 4.1 i) above.

k. to comply with all its obligations undertaken in this Agreement.

4.2 Roles of the Nodal Agency in implementation of the Project:

4.2.1 Subject to the terms and conditions of this Agreement, the Nodal Agency shall be the holder and administrator of this Agreement and shall inter alia:

a. appoint an Independent Engineer within 90 days of the Effective Date

b. provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time, for obtaining the Consents, Clearances and Permits required for the Project;

c. coordinate among TSP and upstream/downstream entities in respect of Interconnection Facilities; and

d. monitor the implementation of the Agreement and take appropriate action for breach thereof including revocation of guarantees, cancellation of Agreement, blacklisting etc

e. provide all assistance to the Arbitrators as required for the performance of their duties and responsibilities; and

f. perform any other responsibility (ies) as specified in this Agreement.

4.3 Time for Commencement and Completion:

a. The TSP shall take all necessary steps to commence work on the Project from the Effective Date of the Agreement and shall achieve Scheduled COD of the Project in accordance with the time schedule specified in Schedule 2 of this Agreement;

b. The COD of each Element of the Project shall occur no later than the Scheduled COD or within such extended time to which the TSP shall be entitled under Article 4.4 hereto.

4.4 Extension of time:

4.4.1 In the event that the TSP is unable to perform its obligations for the reasons solely attributable to the Nodal Agency, the Scheduled COD shall be extended, by a 'day to day' basis, subject to the provisions of Article 13.

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4.4.2 In the event that an Element or the Project cannot be commissioned by its Scheduled COD on account of any Force Majeure Event as per Article 11, the Scheduled COD shall be extended, by a 'day to day' basis for a period of such Force Majeure Event. Alternatively, if deemed necessary, the Nodal Agency may terminate the Agreement as per the provisions of Article 13.4 by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

4.4.3 If the Parties have not agreed, within thirty (30) days after the affected Party's performance has ceased to be affected by the relevant circumstance, on how long the Scheduled COD should be deferred by, any Party may raise the Dispute to be resolved in accordance with Article 16.

4.5 Metering Arrangements:

4.5.1 The TSP shall comply with all the provisions of the IEGC/Grid Code and the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time, with regard to the metering arrangements for the Project. The TSP shall fully cooperate with the CTU/MSTU / RLDC/ SLDC and extend all necessary assistance in taking meter readings.

4.6 Interconnection Facilities:

4.6.1 Subject to the terms and conditions of this Agreement, the TSP shall be responsible for connecting the Project with the interconnection point(s) specified in Schedule 1 of this Agreement. The Interconnection Facilities shall be developed as per the scope of work and responsibilities assigned in Schedule 1 of this Agreement. The Nodal Agency shall be responsible for coordinating to make available the Interconnection Facilities.

4.6.2 In order to remove any doubts, it is made clear that the obligation of the TSP within the scope of the project is to construct the Project as per Schedule-1 of this Agreement and in particular to connect it to the Interconnection Facilities as specified in this Agreement.

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ARTICLE: 5

5. CONSTRUCTION OF THE PROJECT

5.1 TSP's Construction Responsibilities:

5.1.1 The TSP, at its own cost and expense, shall be responsible for designing, constructing, erecting, testing and commissioning each Element of the Project by the Scheduled COD in accordance with the Regulations and other applicable Laws specified in Article 4.1 of this Agreement.

5.1.2 The TSP acknowledges and agrees that it shall not be relieved from any of its obligations under this Agreement or be entitled to any extension of time or any compensation whatsoever by reason of the unsuitability of the Site or Transmission Line route(s).

5.1.3 The TSP shall be responsible for obtaining all Consents, Clearances and Permits related but not limited to road / rail / river / canal / power line / crossings, Power and Telecom Coordination Committee (PTCC), defence, civil aviation, right of way / way-leaves and environmental & forest clearances from relevant authorities required for developing, financing, constructing, maintaining/ renewing all such Consents, Clearances and Permits in order to carry out its obligations under this Agreement in general and shall furnish to the Nodal Agency such copy/ies of each Consents, Clearances and Permits, on demand. Nodal Agency shall provide letters of recommendation to the concerned Indian Governmental Instrumentality, as may be requested by the TSP from time to time, for obtaining the Consents, Clearances and Permits required for the Project.

5.1.4 The TSP shall be responsible for:

a) Acquisition of land for location specific substations, switching stations or HVDC terminal or inverter stations. Also, the actual location of Greenfield substations (Switching Stations or HVDC Terminal or Inverter Stations) in the scope of TSP:

- For Generation Pooling Substation shall not be beyond 3 Km radius of the location proposed by BPC in their survey report.
- For Load Serving Substation within the scope of TSP shall not be beyond 5 Km radius of the location proposed by the BPC in their Survey Report.
- For an Intermediate Substation shall not be beyond 10 Km radius of the location proposed by the BPC in their Survey Report.

b) final selection of Site including its geo-technical investigation

c) Survey and geo-technical investigation of line route in order to determine the final route of the Transmission Lines;

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d) Seeking access to the Site and other places where the Project is being executed, at its own risk and costs, including payment of any crop, tree compensation or any other compensation as may be required.

5.1.5 In case the Project involves any resettlement and rehabilitation, the resettlement and rehabilitation package will be implemented by the State Government authorities, for which the costs is to be borne by the TSP and no changes would be allowed in the Transmission Charges on account of any variation in the resettlement and rehabilitation cost. The TSP shall provide assistance on best endeavour basis, in implementation of the resettlement and rehabilitation package, if execution of such package is in the interest of expeditious implementation of the Project and is beneficial to the Project affected persons.

5.2 Appointing Contractors:

5.2.1 The TSP shall conform to the requirements as provided in this Agreement while appointing Contractor(s) for procurement of goods & services.

5.2.2 The appointment of such Contractor(s) shall neither relieve the TSP of any of its obligations under this Agreement nor make the Nodal Agency liable for the performance of such Contractor(s).

5.3 Monthly Progress Reporting:

The TSP shall provide to the Nodal Agency & Independent Engineer, on a monthly basis, progress reports along with likely completion date of each Element with regard to the Project and its execution (in accordance with prescribed form). The Nodal Agency shall monitor the development of the Project for its timely completion for improving and augmenting the electricity system as a part of its statutory responsibility.

5.4 Quality of Workmanship:

The TSP shall ensure that the Project is designed, built and completed in a good workmanship using sound engineering and construction practices, and using only materials and equipment that are new and manufactured as per the MQP and following approved FQP for erection, testing & commissioning and complying with Indian /International Standards such that, the useful life of the Project will be at least thirty five (35) years from the COD of the Project.

The TSP shall ensure that all major substation equipment / component (e.g. transformers, reactors, Circuit Breakers, Instrument Transformers (IT), Surge Arresters (SA), Protection relays, clamps & connectors etc.), equipment in terminal stations of HVDC installations including Thyristor/ IGBT valves, Converter Transformers, smoothing reactors, Transformer bushings and wall bushings, GIS bus

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ducts, towers and gantry structures and transmission towers or poles and line materials (conductors, earthwire, OPGW, insulator, accessories for conductors, OPGW & earthwires, hardware fittings for insulators, aviation lights etc), facilities and system shall be designed, constructed and tested (Type test, Routine tests, Factory Acceptance Test (FAT)) in accordance with relevant CEA Regulations and Indian Standards. In case Indian Standards for any particular equipment/ system/ process is not available, IEC/ IEEE or equivalent International Standards and Codes shall be followed.

5.5 Progress Monitoring & Quality Assurance:

5.5.1 The Project Execution Plan submitted by the TSP in accordance with Article 3.1.3 c) shall comprise of detailed schedule of all the equipment/items /materials required for the Project, right from procurement of raw material till the dispatch from works and receipt at the site. Further, it should also include various stages of the construction schedule up to the commissioning of the Project.

5.5.2 Nodal Agency & Independent Engineer shall have access at all reasonable times to the Site and to the Manufacturer's works and to all such places where the Project is being executed.

5.5.3 Independent Engineer shall ensure conformity of the conductor specifications with the functional specifications specified in RFP.

5.5.4 The Independent Engineer shall monitor the following during construction of the Project:

a) Quality of equipment, material, foundation, structures and workmanship etc. as laid down in Article 5.4 and 6.1.4 of the TSA. Specifically, quality of Sub-station equipment, transmission line material and workmanship etc. would be checked in accordance with the Article 5.4.

b) Progress in the activities specified in Condition Subsequent

c) Verification of readiness of the elements including the statutory clearances & completion of civil works, fixing of all components and finalisation of punch points (if any) prior to charging of the elements

d) Progress of construction of substation and Transmission Lines

5.5.5 The progress shall be reviewed by the Independent Engineer against the Project Execution Plan. The Independent Engineer shall prepare its report on monthly basis and submit the same to Nodal Agency highlighting the progress achieved till the end of respective month vis-à-vis milestone activities, areas of concern, if any, which may result in delay in the timely completion of the Project. Based on the progress, Nodal

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Agency shall issue written instructions to the TSP to take corrective measures, as may be prudent for the timely completion of the Project. In case of any deficiency, the Nodal Agency would be at liberty to take action in accordance with the procedure of this Agreement.

5.5.6 For any delay in commissioning any critical Element(s), as identified in Schedule 1 & Schedule 2 of this Agreement, beyond a period of 45 days shall lead to a sequestration of 10% of the Contract Performance Guarantee.

5.6 Site regulations and Construction Documents

The TSP shall abide by the Safety Rules and Procedures as mentioned in Schedule 3 of this Agreement

The TSP shall retain at the Site and make available for inspection at all reasonable times, copies of the Consents, Clearances and Permits, construction drawings and other documents related to construction.

5.7 Supervision of work:

The TSP shall provide all necessary superintendence for execution of the Project and its supervisory personnel shall be available to provide full-time superintendence for execution of the Project. The TSP shall provide skilled personnel who are experienced in their respective fields.

5.8 Remedial Measures:

The TSP shall take all necessary actions for remedying the shortfall in achievement of timely progress in execution of the Project, if any, as intimated by the Independent Engineer and/ or the Nodal Agency. However, such intimation by the Independent Engineer and/ or the Nodal Agency and the subsequent effect of such remedial measures carried out by the TSP shall not relieve the TSP of its obligations in the Agreement. Independent Engineer and/ or the Nodal Agency may carry out random inspections during the Project execution, as and when deemed necessary by it. If the shortfalls as intimated to the TSP are not remedied to the satisfaction of the Nodal Agency, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

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ARTICLE: 6

6. CONNECTION AND COMMISSIONING OF THE PROJECT

6.1 Connection with the Inter-Connection Facilities:

6.1.1 The TSP shall give the Maharashtra SLDC/ RLDC/MSTU/CTU, as the case may be, and any other agencies as required, at least sixty (60) days advance written notice of the date on which it intends to connect an Element of the Project, which date shall not be earlier than its Scheduled COD or Schedule COD extended as per Article 4.4.1 & 4.4.2 of this Agreement, unless mutually agreed to by Parties. Further, any preponing of COD of any element prior to Scheduled COD must be approved by the Nodal Agency.

6.1.2 The Maharashtra SLDC/RLDC/MSTU/CTU (as the case may be), for reasonable cause, including non-availability of Interconnection Facilities as per Article 4.2, can defer the connection for up to fifteen (15) days from the date notified by the TSP pursuant to Article 6.1.1, if it notifies to the TSP in writing, before the date of connection, of the reason for the deferral and when the connection is to be rescheduled. However, no such deferment on one or more occasions would be for more than an aggregate period of thirty (30) days. Further, the Scheduled COD would be extended as required, for all such deferments on "day to day" basis.

6.1.3 Subject to Articles 6.1.1 and 6.1.2, any Element of Project may be connected with the Interconnection Facilities when:

a. it has been completed in accordance with this Agreement and the Connection Agreement;

b. it meets the Grid Code, Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time and all other Indian legal requirements, and

c. The TSP has obtained the approval in writing of the Electrical Inspector certifying that the Element is ready from the point of view of safety of supply and can be connected with the Interconnection Facilities.

d. It has satisfactorily met all the testing requirements as per Articles 6.1.4.

6.1.4 Site Acceptance Test (SAT)/ pre-commissioning tests of all major substation equipment, component, system, facilities shall be successfully carried out before commissioning. The Type tests, FAT and SAT reports should be available at the substation / terminal station of HVDC installations for ready reference of operation and maintenance staff and has to be made available to the Independent Engineer

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appointed for quality monitoring or their authorised representatives, as and when they wish to examine the same.

6.2 Commercial Operation:

6.2.1 An Element of the Project shall be declared to have achieved COD twenty four (24) hours following the connection of the Element with the Interconnection Facilities pursuant to Article 6.1 or seven (7) days after the date on which it is declared by the TSP to be ready for charging but is not able to be charged for reasons not attributable to the TSP subject to Article 6.1.2.

Provided that an Element shall be declared to have achieved COD only after all the Element(s), if any, which are pre-required to have achieved COD as defined in Schedule 2 of this Agreement, have been declared to have achieved their respective COD.

6.2.2 Once any Element of the Project has been declared to have achieved deemed COD as per Article 6.2.1 above, such Element of the Project shall be deemed to have Availability equal to the Target Availability till the actual charging of the Element and to this extent, TSP shall be eligible for the Monthly Transmission Charges applicable for such Element.

6.3 Compensation for Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event (affecting the Nodal Agency)

6.3.1 If the TSP is otherwise ready to connect the Element(s) of the Project and has given due notice, as per provisions of Article 6.1.1, to the concerned agencies of the date of intention to connect the Element(s) of the Project, where such date is not before the Scheduled COD, but is not able to connect the Element(s) of the Project by the said date specified in the notice, due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, provided such Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency has continued for a period of more than three (3) continuous or non-continuous Months, the TSP shall, until the effects of the Direct Non Natural Force Majeure Event or of Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency no longer prevent the TSP from connecting the Element(s) of the Project, be deemed to have achieved COD relevant to that date and to this extent, be deemed to have been providing Transmission Service with effect from the date notified, and shall be treated as follows:

a. In case of delay due to Direct Non Natural Force Majeure Event, TSP is entitled for Transmission Charges calculated on Target Availability for the period of such events in excess of three (3) continuous or non-continuous

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Months in the manner provided in (c) below.

b. In case of delay due to Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, TSP is entitled for payment for debt service which is due under the Financing Agreements, subject to a maximum of Transmission Charges calculated on Target Availability, for the period of such events in excess of three (3) continuous or non-continuous Months in the manner provided in (c) below.

c. In case of delay due to Direct Non Natural Force Majeure Event or Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency, the TSP is entitled for payments mentioned in (a) and (b) above, after commencement of Transmission Service, in the form of an increase in Transmission Charges. These amounts shall be paid from the date, being the later of a) the date of cessation of such Indirect Non Natural Force Majeure Event or Natural Force Majeure Event affecting the Nodal Agency and b) the completion of sixty (60) days from the receipt of the Financing Agreements by the Nodal Agency from the TSP.

Provided such increase in Transmission Charges shall be so as to put the TSP in the same economic position as the TSP would have been in case the TSP had been paid amounts mentioned in (a) and (b) above in a situation where the Force Majeure Event had not occurred.

For the avoidance of doubt, it is clarified that the charges payable under this Article 6.3.1 shall be recovered as per MERC MYT Regulations.

6.4 Liquidated Damages for Delay in achieving COD of Project:

6.4.1 If the TSP fails to achieve COD of any Element of the Project or the Project, by the Element's / Project's Scheduled COD or such Scheduled COD as extended under Articles 4.4.1 and 4.4.3, then the TSP shall pay to the Nodal Agency, a sum equivalent to 3.33% of Monthly Transmission Charges applicable for the Element of the Project [in case where no Elements have been defined, to be on the Project as a whole] / Project, for each day of delay up to sixty (60) days of delay and beyond that time limit, at the rate of five percent (5%) of the Monthly Transmission Charges applicable to such Element / Project, as liquidated damages for such delay and not

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as penalty, without prejudice to any rights of the Nodal Agency under the Agreement.

6.4.2 The TSP's maximum liability under this Article 6.4 shall be limited to the amount of liquidated damages calculated in accordance with Article 6.4.1 for and up to six (6) months of delay for the Element or the Project.

Provided that, in case of failure of the TSP to achieve COD of the Element of the Project even after the expiry of six (6) months from its Scheduled COD, the provisions of Article 13 shall apply.

6.4.3 The TSP shall make payment to the Nodal Agency of the liquidated damages calculated pursuant to Article 6.4.1 within ten (10) days of the earlier of:

a. the date on which the applicable Element achieves COD; or

b. the date of termination of this Agreement.

The payment of such damages shall not relieve the TSP from its obligations to complete the Project or from any other obligation and liabilities under the Agreement.

6.4.4 If the TSP fails to pay the amount of liquidated damages to the Nodal Agency within the said period of ten (10) days, the Nodal Agency shall be entitled to recover the said amount of the liquidated damages by invoking the Contract Performance Guarantee. If the then existing Contract Performance Guarantee is for an amount which is less than the amount of the liquidated damages payable by the TSP to the Nodal Agency under this Article 6.3 and the TSP fails to make payment of the balance amount of the liquidated damages not covered by the Contract Performance Guarantee, then such balance amount shall be deducted from the Transmission Charges payable to the TSP. The right of the Nodal Agency to encash the Contract Performance Guarantee is without prejudice to the other rights of the Nodal Agency under this Agreement.

6.4.5 For avoidance of doubt, it is clarified that amount payable by TSP under this Article is over and above the penalty payable by TSP under Article 5.5.6 of this Agreement.

6.5 Return of Contract Performance Guarantee

6.5.1 The Contract Performance Guarantee as submitted by TSP in accordance with Article 3.1.1 shall be released by the Nodal Agency within three (3) months from the COD of the Project. In the event of delay in achieving Scheduled COD of any of the Elements by the TSP (otherwise than due to reasons as mentioned in Article 3.1.3 or Article 11) and consequent part invocation of the Contract Performance Guarantee by the Nodal Agency, Nodal Agency shall release the Contract Performance

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Guarantee, if any remaining unadjusted, after the satisfactory completion by the TSP of all the requirements regarding achieving the Scheduled COD of the remaining Elements of the Project. It is clarified that the Nodal Agency shall also return / release the Contract Performance Guarantee in the event of (i) applicability of Article 3.3.2 to the extent the Contract Performance Guarantee is valid for an amount in excess of **Rs. 54.90 Crore (Rupees Fifty-Four Crore Ninety Lakh Only),** or
(ii) termination of this Agreement by the Nodal Agency as mentioned under Article 3.3.4 of this Agreement.

6.5.2 The release of the Contract Performance Guarantee shall be without prejudice to other rights of the Nodal Agency under this Agreement.

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ARTICLE: 7

7. OPERATION AND MAINTENANCE OF THE PROJECT

7.1 Operation and Maintenance of the Project:

The TSP shall be responsible for ensuring that the Project is operated and maintained in accordance with the regulations made by the State Commission and CEA from time to time and provisions of the Act.

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ARTICLE: 8

8. AVAILABILITY OF THE PROJECT

8.1 Calculation of Availability of the Project:

Calculation of Availability for the Elements and for the Project, as the case may be, shall be as per Annexure VI to the Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024, as applicable on the Bid Deadline and as appended in Schedule 6 of this Agreement.

8.2 Target Availability:

The Target Availability of each Element and the Project shall be **98%.**

Payment of monthly Transmission charges based on actual availability will be calculated as per para 1.2 of Schedule 4 of this Agreement.

If the availability of any Element or the Project is below the Target Availability, for six consecutive months in a Contract Year the Nodal Agency may issue a show cause notice to the TSP, asking them to show cause as to why the Transmission Service Agreement be not terminated, and if no satisfactory cause is shown it may terminate the Agreement. If the Nodal Agency is of the opinion that the transmission system is of critical importance, it may carry out or cause to carry the operation and maintenance of transmission system at the risk and cost of TSP.

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ARTICLE: 9

9. INSURANCES

9.1 Insurance:

9.1.1 The TSP shall effect and maintain or cause to be effected and maintained during the Construction Period and the Operating Period, adequate Insurances against such risks, with such deductibles including but not limited to any third party liability and endorsements and co-beneficiary/insured, as may be necessary under

a. any of the Financing Agreements,

b. the Laws, and

c. in accordance with Prudent Utility Practices.

The Insurances shall be taken effective from a date prior to the date of the Financial Closure till the Expiry Date.

9.2 Evidence of Insurance cover:

9.2.1 The TSP shall furnish to the Nodal Agency copies of certificates and policies of the Insurances, as and when the Nodal Agency may seek from the TSP as per the terms of Article 9.1

9.3 Application of Insurance Proceeds:

9.3.1 Save as expressly provided in this Agreement, the policies of Insurances and the Financing Agreements, the proceeds of any insurance claim made due to loss or damage to the Project or any part of the Project shall be first applied to reinstatement, replacement or renewal of such loss or damage.

9.3.2 If a Natural Force Majeure Event renders the Project no longer economically and technically viable and the insurers under the Insurances make payment on a "total loss" or equivalent basis, the portion of the proceeds of such Insurance available to the TSP (after making admissible payments to the Lenders as per the Financing Agreements) shall be allocated only to the TSP. Nodal Agency and / or concerned LTTUs shall have no claim on such proceeds of the Insurance.

9.3.3 Subject to the requirements of the Lenders under the Financing Agreements, any dispute or difference between the Parties as to whether the Project is no longer economically and technically viable due to a Force Majeure Event or whether that event was adequately covered in accordance with this Agreement by the Insurances shall be determined in accordance with Article 16.

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9.4 Effect on liability of the Nodal Agency / Long Term Transmission System User

9.4.1 The Nodal Agency and / or the LTTUs shall have no financial obligations or liability whatsoever towards the TSP in respect of this Article 9.

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ARTICLE: 10

10. BILLING AND PAYMENT OF TRANSMISSION CHARGES

10.1 Subject to provisions of this Article 10, the Monthly Transmission Charges shall be paid to the TSP, in Indian Rupees, on monthly basis as per the provisions of the MERC MYT Regulations, from the date on which an Element(s) has achieved COD until the Expiry Date of this Agreement, unless terminated earlier and in line with the provisions of Schedule 4 of this Agreement.

10.2 Calculation of Monthly Transmission Charges:

The Monthly Transmission Charges for each Contract Year including Incentive & Penalty payment shall be calculated in accordance with the provisions of Schedule 4 of this Agreement.

10.3 Rebate & Late Payment Surcharge:

The rebate and late payment surcharge shall be governed as per MERC MYT Regulations.

10.4 Disputed Bills, Default in payment by the Long Term Transmission System User & Annual Reconciliation:

Any Disputed Bill, Default in payment by the LTTUs & Annual Reconciliation shall be governed as per MERC MYT Regulations and Transmission Pricing Framework in the State of Maharashtra.

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ARTICLE: 11

11. FORCE MAJEURE

11.1 Definitions

11.1.1 The following terms shall have the meanings given hereunder.

11.2 Affected Party

11.2.1 An Affected Party means any Party whose performance has been affected by an event of Force Majeure.

11.2.2 Any event of Force Majeure shall be deemed to be an event of Force Majeure affecting the TSP only if the Force Majeure event affects and results in, late delivery of machinery and equipment for the Project or construction, completion, commissioning of the Project by Scheduled COD and/or operation thereafter;

11.3 Force Majeure

A 'Force Majeure' means any event or circumstance or combination of events and circumstances including those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations/ roles under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:

a) Natural Force Majeure Events:

i. act of God, including, but not limited to drought, fire and explosion (to the extent originating from a source external to the Site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon, tornado, or exceptionally adverse weather conditions, which are in excess of the statistical measures for the last hundred (100) years; and

ii. epidemic/ pandemic notified by Indian Governmental Instrumentality.

b) Non-Natural Force Majeure Events:

i. Direct Non–Natural Force Majeure Events

- Nationalization or compulsory acquisition by any Indian Governmental Instrumentality of any material assets or rights of the Affected Party; or
- the unlawful, unreasonable or discriminatory revocation of, or refusal to renew, any Consents, Clearances and Permits required by the Affected

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Party to perform their obligations/ roles under the RFP Project Documents or any unlawful, unreasonable or discriminatory refusal to grant any other Consents, Clearances and Permits required for the development/ operation of the Project, provided that a Competent Court of Law declares the revocation or refusal to be unlawful, unreasonable and discriminatory and strikes the same down; or

- any other unlawful, unreasonable or discriminatory action on the part of an Indian Governmental Instrumentality which is directed against the Project, provided that a Competent Court of Law declares the action to be unlawful, unreasonable and discriminatory and strikes the same down.

ii. Indirect Non - Natural Force Majeure Events

- act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action; or
- radio active contamination or ionising radiation originating from a source in India or resulting from any other Indirect Non Natural Force Majeure Event mentioned above, excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Site by the Affected Party or those employed or engaged by the Affected Party; or
- industry-wide strikes and labour disturbances, having a nationwide impact in India.

11.4 Force Majeure Exclusions

11.4.1 Force Majeure shall not include (i) any event or circumstance which is within the reasonable control of the Parties and (ii) the following conditions, except to the extent that they are consequences of an event of Force Majeure:

(a) Unavailability, late delivery, or changes in cost of the machinery, equipment, materials, spare parts etc. for the Project;
(b) Delay in the performance of any Contractors or their agents;
(c) Non-performance resulting from normal wear and tear typically experienced in transmission materials and equipment;
(d) Strikes or labour disturbance at the facilities of the Affected Party;
(e) Insufficiency of finances or funds or the Agreement becoming onerous to perform; and
(f) Non-performance caused by, or connected with, the Affected Party's:
   i. negligent or intentional acts, errors or omissions;
   ii. failure to comply with an Indian Law; or

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iii. breach of, or default under this Agreement or any Project Documents.

(g) Any error or omission in the survey report provided by BPC during the bidding process.

11.5 Notification of Force Majeure Event

11.5.1 The Affected Party shall give notice to the other Party of any event of Force Majeure as soon as reasonably practicable, but not later than seven (7) days after the date on which such Party knew or should reasonably have known of the commencement of the event of Force Majeure. If an event of Force Majeure results in a breakdown of communications rendering it unreasonable to give notice within the applicable time limit specified herein, then the Party claiming Force Majeure shall give such notice as soon as reasonably practicable after reinstatement of communications, but not later than one (1) day after such reinstatement.

Provided that, such notice shall be a pre-condition to the Affected Party's entitlement to claim relief under this Agreement. Such notice shall include full particulars of the event of Force Majeure, its effects on the Party claiming relief and the remedial measures proposed. The Affected Party shall give the other Party regular reports on the progress of those remedial measures and such other information as the other Party may reasonably request about the Force Majeure.

11.5.2 The Affected Party shall give notice to the other Party of (i) the cessation of the relevant event of Force Majeure; and (ii) the cessation of the effects of such event of Force Majeure on the performance of its rights or obligations/ roles under this Agreement, as soon as practicable after becoming aware of each of these cessations.

11.6 Duty to perform and duty to mitigate

To the extent not prevented by a Force Majeure Event, the Affected Party shall continue to perform its obligations/ roles as provided in this Agreement. The Affected Party shall use its reasonable efforts to mitigate the effect of any event of Force Majeure as soon as practicable.

11.7 Available Relief for a Force Majeure Event

Subject to this Article 11,

(a) no Party shall be in breach of its obligations/ roles pursuant to this Agreement to the extent that the performance of its obligations/ roles was prevented, hindered or delayed due to a Force Majeure Event;

(b) each Party shall be entitled to claim relief for a Force Majeure Event affecting its performance in relation to its obligations/ roles under Articles 3.3.4, 4.4.2 and 6.3.1 of this Agreement.

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(c) For the avoidance of doubt, it is clarified that the computation of Availability of the Element(s) under outage due to Force Majeure Event, as per Article 11.3 affecting the TSP shall be as per **Annexure VI to the Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024** as on Bid Deadline. For the event(s) for which the Element(s) is/are deemed to be available as per **Annexure VI to the Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2024,** then the Transmission Charges, as applicable to such Element(s), shall be payable as per Schedule 4, for the duration of such event(s).

(d) For so long as the TSP is claiming relief due to any Force Majeure Event under this Agreement, the Nodal Agency may, if it so desires, from time to time on one (1) day notice, inspect the Project and the TSP shall provide the Nodal Agency's personnel with access to the Project to carry out such inspections.

(e) For avoidance of doubt, the TSP acknowledges that for extension of Scheduled COD a period up to one hundred eighty (180) days due to Force Majeure event, no compensation on the grounds such as interest cost, incident expenditure, opportunity cost will be made to the TSP. However, if Scheduled COD is extended beyond a period of one hundred eighty (180) days due to Force Majeure event, the TSP will be allowed to recover the interest cost during construction corresponding to the period exceeding one hundred eighty (180) days by adjustment in the Transmission Charges in accordance with Schedule 9.

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ARTICLE: 12

12. CHANGE IN LAW

12.1 Change in Law

12.1.1 Change in Law means the occurrence of any of the following after the Bid Deadline resulting into any additional recurring / non-recurring expenditure by the TSP or any savings of the TSP:

- the enactment, coming into effect, adoption, promulgation, amendment, modification or repeal (without re-enactment or consolidation) in India, of any Law, including rules and regulations framed pursuant to such Law, subject to the provisions under Article 12.1.2;
- a change in the interpretation or application of any Law by any Indian Governmental Instrumentality having the legal power to interpret or apply such Law, or any Competent Court of Law;
- the imposition of a requirement for obtaining any Consents, Clearances and Permits which was not required earlier;
- a change in the terms and conditions prescribed for obtaining any Consents, Clearances and Permits or the inclusion of any new terms or conditions for obtaining such Consents, Clearances and Permits;
- any change in the licensing regulations of the Commission, under which the Transmission License for the Project was granted if made applicable by such Commission to the TSP;
- change in wind zone; or
- any change in tax or introduction of any tax made applicable for providing Transmission Service by the TSP as per the terms of this Agreement.

12.1.2 Notwithstanding anything contained in this Agreement, Change in Law shall not cover any change:

a) Taxes on corporate income; and

b) Withholding tax on income or dividends distributed to the shareholders of the TSP.

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12.2 Relief for Change in Law

12.2.1 During Construction Period, the impact of increase/decrease in the cost of the Project on the Transmission Charges shall be governed by the formula given in Schedule 9 of this Agreement.

12.2.2 During the Operation Period:

During the operation period, if as a result of Change in Law, the TSP suffers or is benefited from a change in costs or revenue, the aggregate financial effect of which exceeds 0.30% (zero point three percent) of the Annual Transmission Charges in aggregate for a Contract Year, the TSP may notify so to the Nodal Agency and propose amendments to this Agreement so as to place the TSP in the same financial position as it would have enjoyed had there been no such Change in Law resulting in change in costs or revenue as aforesaid.

12.2.3 For any claims made under Articles 12.2.1 and 12.2.2 above, the TSP shall provide to the Nodal Agency documentary proof of such increase / decrease in cost of the Project / revenue for establishing the impact of such Change in Law.

In cases where Change in Law results in decrease of cost and it comes to the notice of Nodal Agency that TSP has not informed Nodal Agency about such decrease in cost, Nodal Agency may initiate appropriate claim.

12.3 Notification of Change in Law:

12.3.1 If the TSP is affected by a Change in Law in accordance with Article 12.1 and wishes to claim relief for such Change in Law under this Article 12, it shall give notice to Nodal Agency of such Change in Law as soon as reasonably practicable after becoming aware of the same.

12.3.2 The TSP shall also be obliged to serve a notice to the Nodal Agency even when it is beneficially affected by a Change in Law.

12.3.3 Any notice served pursuant to Articles 12.3.1 and 12.3.2 shall provide, amongst other things, precise details of the Change in Law and its estimated impact on the TSP.

12.4 Payment on account of Change in Law

12.4.1 The payment for Change in Law shall be through a separate Bill. However, in case of any change in Monthly Transmission Charges by reason of Change in Law, as determined in accordance with this Agreement, the Bills to be raised by the Nodal Agency after such change in Transmission Charges shall appropriately reflect the changed Monthly Transmission Charges.

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ARTICLE: 13

13. EVENTS OF DEFAULT AND TERMINATION

13.1 TSP's Event of Default

The occurrence and continuation of any of the following events shall constitute a TSP Event of Default, unless any such TSP Event of Default occurs as a result of any non-fulfilment of its obligations as prescribed under this Agreement by the Nodal Agency or a Force Majeure Event:

a. After having taken up the construction of the Project, the abandonment by the TSP or the TSP's Contractors of the construction of the Project for a continuous period of two (2) months and such default is not rectified within thirty (30) days from the receipt of notice from the Nodal Agency in this regard;

b. The failure to commission any Element of the Project by the date falling six (6) months after its Scheduled COD unless extended by Nodal Agency as per provisions of this Agreement;

c. If the TSP:

i. assigns, mortgages or charges or purports to assign, mortgage or charge any of its assets or rights related to the Project in contravention of the provisions of this Agreement; or

ii. transfers or novates any of its obligations pursuant to this Agreement, in a manner contrary to the provisions of this Agreement;

Except where such transfer is in pursuance of a Law and

- it does not affect the ability of the transferee to perform, and such transferee has the financial and technical capability to perform, its obligations under this Agreement;
- is to a transferee who assumes such obligations under the Project and this Agreement remains effective with respect to the transferee;

d. If:

i. The TSP becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such

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proceedings remain uncontested for a period of thirty (30) days; or

ii. any winding up or bankruptcy or insolvency order is passed against the TSP; or

iii. the TSP goes into liquidation or dissolution or a receiver or any similar officer is appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law,

Provided that a dissolution or liquidation of the TSP will not be a TSP's Event of Default, where such dissolution or liquidation of the TSP is for the purpose of a merger, consolidation or reorganization with the prior approval of the Commission as per the provisions of Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 or as amended from time to time; or

e. Failure on the part of the TSP to comply with the provisions of Article 19.1 of this Agreement; or

f. the TSP repudiates this Agreement and does not rectify such breach even within a period of thirty (30) days from a notice from the Nodal Agency in this regard; or

g. after Commercial Operation Date of the Project, the TSP fails to achieve monthly Target Availability of 98% for a period of six (6) consecutive months or within a non-consecutive period of six (6) months within any continuous aggregate period of eighteen(18) months except where the Availability is affected by Force Majeure Events as per Article 11; or

h. any of the representations and warranties made by the TSP in Article 17 of this Agreement being found to be untrue or inaccurate. Further, in addition to the above, any of the undertakings submitted by the Selected Bidder at the time of submission of the Bid being found to be breached or inaccurate, including but not limited to undertakings from its Parent Company / Affiliates related to the minimum equity obligation; or

i. the TSP fails to complete / fulfil all the activities / conditions within the specified period as per Article 3; or

j. except for the reasons solely attributable to Nodal Agency, the TSP is in material breach of any of its obligations under this Agreement and

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such material breach is not rectified by the TSP within thirty (30) days of receipt of notice in this regard from the Nodal Agency; or

k. the TSP fails to take the possession of the land required for location specific substations, switching stations or HVDC terminal or inverter stations and / or fails to pay the requisite price to the parties and / or any State Government authority from whom the land is acquired, within twelve (12) months from the Effective Date.

13.2 Termination Procedure for TSP Event of Default

a. Upon the occurrence and continuance of any TSP's Event of Default under Article 13.1 the Nodal Agency may serve notice on the TSP, with a copy to the Lenders' Representative, of their intention to terminate this Agreement (a "Nodal Agency's Preliminary Termination Notice"), which shall specify in reasonable detail, the circumstances giving rise to such Nodal Agency's Preliminary Termination Notice.

b. Following the issue of a Nodal Agency's Preliminary Termination Notice, the Consultation Period shall apply and would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

c. During the Consultation Period, the Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement, and the TSP shall not remove any material, equipment or any part of the Project, without prior consent of the Nodal Agency.

Following the expiry of the Consultation Period, unless the Parties shall have otherwise agreed to the contrary or the circumstances giving rise to Nodal Agency's Preliminary Termination Notice shall have ceased to exist or shall have been remedied, this Agreement may be terminated by the Nodal Agency by giving a Termination Notice to the TSP, in writing, of at least seven (7) days, with a copy to the Lenders' Representative in order to enable the Lenders to exercise right of substitution in accordance with Article 15.3 of this Agreement.

Further, the Nodal Agency may also initiate proceedings to blacklist the TSP & its Affiliates from participation in any RFP issued by BPCs for a period of 5 years.

13.3 Procedure for Nodal Agency's non-fulfilment of Role

a. Upon the Nodal Agency not being able to fulfil its role under Article 4.2, the TSP may serve notice on the Nodal Agency with a copy to the Lenders'

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Representative (a "TSP's Preliminary Notice"), which notice shall specify in reasonable detail the circumstances giving rise to such non-fulfilment of role by the Nodal Agency.

b. Following the issue of a TSP's Preliminary Notice, the Consultation Period shall apply.

c. The Consultation Period would be for the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant non-fulfilment of role by the Nodal Agency including giving time extension to TSP, having regard to all the circumstances.

d. During the Consultation Period, both Parties shall, save as otherwise provided in this Agreement, continue to perform their respective obligations/ roles under this Agreement.

13.4 Termination due to Force Majeure

13.4.1 In case the Parties could not reach an agreement pursuant to Articles 3.3.4 and 4.4.2 of this Agreement and the Force Majeure Event or its effects continue to be present, the Nodal Agency shall have the right to cause termination of the Agreement. In case of such termination, the Contract Performance Guarantee shall be returned to the TSP as per the provisions of Article 6.5.1.

13.4.2 In case of termination of this Agreement, the TSP shall provide to the Nodal Agency the full names and addresses of its Contractors as well as complete designs, design drawings, manufacturing drawings, material specifications and technical information, as required by the Nodal Agency within thirty (30) days of Termination Notice.

13.5 Termination or amendment due to non-requirement of any Element or Project during construction

13.5.1 In case any Element or Project, which is under construction, is no longer required due to any reason whatsoever, the Nodal Agency may issue a notice to this effect to the TSP.

13.5.2 Nodal agency may also issue notice to the TSP seeking their response to the proposed termination/ amendment (as the case may be) of the Agreement. The Nodal Agency shall issue copy of such notice to Lenders. In the notice, Nodal Agency

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shall also include an assessment of the physical progress made by TSP in the Element/ Project (as the case may be) that is no longer required.

13.5.3 The TSP shall neither carry out further investment nor carry out any work on the Element/ Project (as the case may be) that is no longer required after delivery of the notice.

13.5.4 After taking into account the comments of the TSP, the Nodal Agency may terminate the Agreement or amend it if both Parties agree to the amendment.

13.6 Revocation of the Transmission License

13.6.1 The State Commission may, as per the provisions of the Electricity Act, 2003, revoke the Transmission License of the Licensee. Further, in such a case, the Agreement shall be deemed to have been terminated.

13.7 Termination Payment

13.7.1 If Agreement is terminated on account of Force Majeure Events, non-requirement of any Element or Project during Construction, Nodal Agency's non-fulfilment of Role & TSP's Event of Default, the TSP shall be entitled for Termination Payment equivalent to valuation of Project Assets. Upon payment, the Nodal Agency shall take over the Project Assets.

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ARTICLE: 14

14. LIABILITY AND INDEMNIFICATION

14.1 Indemnity

14.1.1 The TSP shall indemnify, defend and hold the Nodal Agency harmless against:

(a) any and all third party claims, actions, suits or proceedings against the Nodal Agency for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by the TSP of any of its obligations under this Agreement, except to the extent that any such claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of Nodal Agency; and

(b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest actually suffered or incurred by the Nodal Agency from third party claims arising by reason of:

i. a breach by the TSP of any of its obligations under this Agreement, (provided that this Article 14 shall not apply to such breaches by the TSP, for which specific remedies have been provided for under this Agreement) except to the extent that any such losses, damages, costs and expenses including legal costs, fines, penalties and interest (together to constitute "Indemnifiable Losses") has arisen due to a negligent act or omission, breach of this Agreement or non-fulfilment of statutory duty on the part of the Nodal Agency, or

ii. any of the representations and warranties of the TSP under this Agreement being found to be inaccurate or untrue.

14.1.2 The Nodal Agency shall, in accordance with the Regulations framed by MERC in this regard indemnify, defend and hold the TSP harmless against:

(a) any and all third party claims, actions, suits or proceedings against the TSP, for any loss of or damage to property of such third party, or death or injury to such third party, arising out of any material breach by the Nodal Agency of any of their roles under this Agreement, except to the extent that any such claim, action, suit or proceeding has arisen due to a negligent act or omission, breach of this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents; and

(b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest ('Indemnifiable Losses') actually suffered or incurred

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by the TSP from third party claims arising by reason of:

i. any material breach by the Nodal Agency of any of its roles under this Agreement (provided that, this Article 14 shall not apply to such breaches by the Nodal Agency, for which specific remedies have been provided for under this Agreement), except to the extent that any such Indemnifiable Losses have arisen due to a negligent act or omission, breach of this Agreement or breach of statutory duty on the part of the TSP, its Contractors, servants or agents or

ii. any of the representations and warranties of the Nodal Agency under this Agreement being found to be inaccurate or untrue.

14.2 Patent Indemnity:

14.2.1

(a) The TSP shall, subject to the Nodal Agency's compliance with Article 14.2.1 (b), indemnify and hold harmless the Nodal Agency and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the Nodal Agency may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.

Such indemnity shall not cover any use of the Project or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Agreement, any infringement resulting from the misuse of the Project or any part thereof, or any products produced in association or combination with any other equipment, plant or materials not supplied by the TSP, pursuant to the Agreement.

(b) If any proceedings are brought or any claim is made against the Nodal Agency arising out of the matters referred to in Article 14.2.1(a), the Nodal Agency shall promptly give the TSP a notice thereof, and the TSP shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The TSP shall promptly notify the Nodal Agency of all actions taken in such proceedings or claims.

(c) If the TSP fails to notify the Nodal Agency within twenty-eight (28) days after receipt of such notice from the Nodal Agency under Article 14.2.1(b) above,

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that it intends to attend any such proceedings or claim, then the Nodal Agency shall be free to attend the same on their own behalf at the cost of the TSP. Unless the TSP has so failed to notify the Nodal Agency within the twenty eight (28) days period, the Nodal Agency shall make no admission that may be prejudicial to the defence of any such proceedings or claims.

(d) The Nodal Agency shall, at the TSP's request, afford all available assistance to the TSP in attending to such proceedings or claim, and shall be reimbursed by the TSP for all reasonable expenses incurred in so doing.

14.2.2

(a) The Nodal Agency, in accordance with the Regulations framed by MERC in this regard, subject to the TSP's compliance with Article 14.2.2(b) shall indemnify and hold harmless the TSP and its employees, officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs and expenses of whatsoever nature, including attorney's fees and expenses, which the TSP may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Agreement by reason of the setting up of the Project by the TSP.

(b) If any proceedings are brought or any claim is made against the TSP arising out of the matters referred to in Article 14.2.2 (a) the TSP shall promptly give the Nodal Agency a notice thereof, and the Nodal Agency shall at its own expense take necessary steps and attend such proceedings or claim and any negotiations for the settlement of any such proceedings or claim. The Nodal Agency shall promptly notify the TSP of all actions taken in such proceedings or claims.

(c) If the Nodal Agency fails to notify the TSP within twenty-eight (28) days after receipt of such notice from the TSP under Article 14.2.2(b) above, that it intends to attend any such proceedings or claim, then the TSP shall be free to attend the same on its own behalf at the cost of the Nodal Agency. Unless the Nodal Agency has so failed to notify the TSP within the twenty (28) days period, the TSP shall make no admission that may be prejudicial to the defence of any such proceedings or claim.

(d) The TSP shall, at the Nodal Agency request, afford all available assistance to the Nodal Agency in attending to such proceedings or claim, and shall be reimbursed by the Nodal Agency for all reasonable expenses incurred in so doing.

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14.3 Monetary Limitation of liability

14.3.1 A Party ("Indemnifying Party") shall be liable to indemnify the other Party ("Indemnified Party") under this Article 14 for any indemnity claims made in a Contract Year only up to an amount of **Rs. 3.66 Crore (Rupees Three Crore Sixty-six Lakh Only).**

14.4 Procedure for claiming indemnity

14.4.1 Where the Indemnified Party is entitled to indemnification from the Indemnifying Party pursuant to Articles 14.1 or 14.2 the Indemnified Party shall promptly notify the Indemnifying Party of such claim, proceeding, action or suit referred to in Articles 14.1 or 14.2 in respect of which it is entitled to be indemnified. Such notice shall be given as soon as reasonably practicable after the Indemnified Party becomes aware of such claim, proceeding, action or suit. The Indemnifying Party shall be liable to settle the indemnification claim within thirty (30) days of receipt of the above notice.

Provided however that, if:

i. the Parties choose to contest, defend or litigate such claim, action, suit or proceedings in accordance with Article 14.4.3 below; and

ii. the claim amount is not required to be paid/deposited to such third party pending the resolution of the Dispute,

the Indemnifying Party shall become liable to pay the claim amount to the Indemnified Party or to the third party, as the case may be, promptly following the resolution of the Dispute, if such Dispute is not settled in favour of the Indemnified Party.

14.4.2 The Indemnified Party may contest, defend and litigate a claim, action, suit or proceeding for which it is entitled to be indemnified under Articles 14.1 or 14.2 and the Indemnifying Party shall reimburse to the Indemnified Party all reasonable costs and expenses incurred by the Indemnified Party. However, such Indemnified Party shall not settle or compromise such claim, action, suit or proceedings without first getting the consent of the Indemnifying Party, which consent shall not be unreasonably withheld or delayed.

14.4.3 An Indemnifying Party may, at its own expense, assume control of the defence of any proceedings brought against the Indemnified Party if it acknowledges its obligation to indemnify such Indemnified Party, gives such Indemnified Party prompt notice of its intention to assume control of the defence, and employs an independent legal counsel at its own cost that is reasonably satisfactory to the Indemnified Party.

14.5 Limitation on Liability

14.5.1 Except as expressly provided in this Agreement, neither the TSP nor the Nodal

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Agency nor their respective officers, directors, agents, employees or Affiliates (including, officers, directors, agents or employees of such Affiliates), shall be liable or responsible to the other Party or its Affiliates including its officers, directors, agents, employees, successors, insurers or permitted assigns for incidental, indirect or consequential, punitive or exemplary damages, connected with or resulting from performance or non-performance of this Agreement, or anything done in connection herewith, including claims in the nature of lost revenues, income or profits (other than payments expressly required and properly due under this Agreement), any increased expense of, reduction in or loss of transmission capacity or equipment used therefore, irrespective of whether such claims are based upon breach of warranty, tort (including negligence, whether of the Nodal Agency, the TSP or others), strict liability, contract, breach of statutory duty, operation of law or otherwise.

14.5.2 The Nodal Agency shall have no recourse against any officer, director or shareholder of the TSP or any Affiliate of the TSP or any of its officers, directors or shareholders for such claims excluded under this Article. The TSP shall also have no recourse against any officer, director or shareholder of the Nodal Agency, or any Affiliate of the Nodal Agency or any of its officers, directors or shareholders for such claims excluded under this Article.

14.6 Duty to Mitigate

The party entitled to the benefit of an indemnity under this Article 14 shall take all reasonable measures to mitigate any loss or damage which has occurred. If the Party fails to take such measures, the other Party's liabilities shall be correspondingly reduced.

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ARTICLE: 15

15. ASSIGNMENTS AND CHARGES

15.1 Assignments:

15.1.1 This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns. This Agreement shall not be assigned by any Party, except as provided in Article 15.3.

15.2 Permitted Charges:

15.2.1 Neither Party shall create or permit to subsist any encumbrance over all or any of its rights and benefits under this Agreement.

15.2.2 However, the TSP may create any encumbrance over all or part of the receivables, or the Project Assets of the Project in favour of the Lenders or the Lenders' Representative on their behalf, as security for amounts payable under the Financing Agreements and any other amounts agreed by the Parties.

Provided that:

i. the Lenders or the Lenders' Representative on their behalf shall have entered into the Financing Agreements and agreed in writing to the provisions of this Agreement; and

ii. any encumbrance granted by the TSP in accordance with this Article 15.2.2 shall contain provisions pursuant to which the Lenders or the Lender's Representative on their behalf agrees unconditionally with the TSP to release from such encumbrances upon payment by the TSP to the Lenders of all amounts due under the Financing Agreements.

15.2.3 Article 15.2.1 does not apply to:

a. liens arising by operation of law (or by an agreement evidencing the same) in the ordinary course of the TSP developing and operating the Project;

b. pledges of goods, the related documents of title and / or other related documents, arising or created in the ordinary course of the TSP developing and operating the Project; or

c. security arising out of retention of title provisions in relation to goods acquired in the ordinary course of the TSP developing and operating the Project.

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15.3 Substitution Rights of the Lenders

15.3.1 The TSP would need to operate and maintain the Project under the provisions of this Agreement and cannot assign the Transmission License or transfer the Project or part thereof to any person by sale, lease, exchange or otherwise, without the prior approval of the Nodal Agency.

15.3.2 However, in the case of default by the TSP in debt repayments or in the case of default by the TSP as per Article 13 of this Agreement during the debt repayments, the State Commission may, on an application from the Lenders, assign the Transmission License to the nominee of the Lenders subject to the fulfilment of the qualification requirements and provisions of the Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 and as amended from time to time.

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ARTICLE: 16

16. GOVERNING LAW AND DISPUTE RESOLUTION

16.1 Governing Law:

This Agreement shall be governed by and construed in accordance with the Laws of India. Any legal proceedings in respect of any matters, claims or disputes under this Agreement shall be under the jurisdiction of appropriate courts in Mumbai.

16.2 Amicable Settlement:

16.2.1 Either Party is entitled to raise any claim, dispute or difference of whatever nature arising under, out of or in connection with this Agreement, including its existence or validity or termination or whether during the execution of the Project or after its completion and whether prior to or after the abandonment of the Project or termination or breach of the Agreement by giving a written notice to the other Party, which shall contain:

(i) a description of the Dispute;

(ii) the grounds for such Dispute; and

(iii) all written material in support of its claim.

16.2.2 The other Party shall, within thirty (30) days of issue of notice issued under Article 16.2.1, furnish:

(i) counter-claim and defences, if any, regarding the Dispute; and

(ii) all written material in support of its defences and counter-claim.

16.2.3 Within thirty (30) days of issue of notice by the Party pursuant to Article 16.2.1, if the other Party does not furnish any counter claim or defense under Article 16.2.2, or thirty (30) days from the date of furnishing counter claims or defence by the other Party, both the Parties to the Dispute shall meet to settle such Dispute amicably. If the Parties fail to resolve the Dispute amicably within thirty (30) days from the later of the dates mentioned in this Article 16.2.3, the Dispute shall be referred for dispute resolution in accordance with Article 16.3.

16.3 Dispute Resolution:

All Disputes shall be adjudicated by the State Commission.

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16.4 Parties to Perform Obligations:

Notwithstanding the existence of any Dispute and difference referred to the State Commission as provided in Article 16.3 and save as the State Commission may

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otherwise direct by a final or interim order, the Parties hereto shall continue to perform their respective obligations/ roles (which are not in dispute) under this Agreement.

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ARTICLE: 17

17. REPRESENTATION AND WARRANTIES

17.1 Representation and warranties of the Nodal Agency

17.1.1 The Nodal Agency hereby represents and warrants to and agrees with the TSP as follows and acknowledges and confirms that the TSP is relying on such representations and warranties in connection with the transactions described in this Agreement:

a. It has all requisite powers and authority to execute and consummate this Agreement;

b. This Agreement is enforceable against the Nodal Agency in accordance with its terms;

c. The consummation of the transactions contemplated by this Agreement on the part of Nodal Agency will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the Nodal Agency is a Party or to which the Nodal Agency is bound, which violation, default or power has not been waived;

17.2 Representation and Warranties of the TSP:

17.2.1 The TSP hereby represents and warrants to and agrees with the Nodal Agency as follows and acknowledges and confirms that the Nodal Agency is relying on such representations and warranties in connection with the transactions described in this Agreement:

a. It has all requisite powers and has been duly authorized to execute and consummate this Agreement;

b. This Agreement is enforceable against it, in accordance with its terms;

c. The consummation of the transactions contemplated by this Agreement on the part of the TSP will not violate any provision of nor constitute a default under, nor give rise to a power to cancel any charter, mortgage, deed of trust or lien, lease, agreement, license, permit, evidence of indebtedness, restriction, or other contract to which the TSP is a Party or to which the TSP is bound which violation, default or power has not been waived;

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d. The TSP is not insolvent and no insolvency proceedings have been instituted, nor threatened or pending by or against the TSP;

e. There are no actions, suits, claims, proceedings or investigations pending or, to the best of the TSP's knowledge, threatened in writing against the TSP at law, in equity, or otherwise, and whether civil or criminal in nature, before or by, any court, commission, arbitrator or governmental agency or authority, and there are no outstanding judgments, decrees or orders of any such courts, commission, arbitrator or governmental agencies or authorities, which materially adversely affect its ability to execute the Project or to comply with its obligations under this Agreement.

17.2.2 The TSP makes all the representations and warranties above to be valid as on the Effective Date of this Agreement.

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ARTICLE: 18

18. INDEPENDENT ENGINEER

18.1 Appointment of Independent Engineer

The Nodal Agency shall appoint an agency/ company as Independent Engineer as per framework provided in the Guidelines for Encouraging Competition in Development of Transmission Projects for selection of Independent Engineer.

18.2 Roles and functions of Independent Engineer

The role and functions of the Independent Engineer shall include the following:

a. Progress Monitoring as required under this Agreement;
b. Ensuring Quality as required under this Agreement;
c. determining, as required under the Agreement, the costs of any works or services and/or their reasonableness during construction phase;
d. determining, as required under the Agreement, the period or any extension thereof, for performing any duty or obligation during construction phase;
e. determining, as required under the Agreement, the valuation of the Project Assets.
f. Assisting the Parties in resolution of Disputes and
g. Undertaking all other duties and functions in accordance with the Agreement.

18.3 Remuneration of Independent Engineer

The fee and charges of the Independent Engineer shall be paid by the Nodal Agency as per terms & conditions of appointment.

18.4 Termination of appointment

18.4.1 The Nodal Agency may, in its discretion, terminate the appointment of the Independent Engineer at any time, but only after appointment of another Independent Engineer.

18.4.2 If the TSP has reason to believe that the Independent Engineer is not discharging its duties and functions in a fair, efficient and diligent manner, it may make a written representation to the Nodal Agency and seek termination of the appointment of the Independent Engineer. Upon receipt of such representation, the Nodal Agency shall hold a tripartite meeting with the TSP and Independent Engineer for an amicable resolution, and the decision of Nodal agency is final. In the event that the appointment of the Independent Engineer is terminated hereunder, the Nodal Agency shall appoint forthwith another Independent Engineer.

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18.5 Authorised signatories

The Nodal Agency shall require the Independent Engineer to designate and notify to the Nodal Agency up to 2 (two) persons employed in its firm to sign for and on behalf of the Independent Engineer, and any communication or document required to be signed by the Independent Engineer shall be valid and effective only if signed by any of the designated persons; provided that the Independent Engineer may, by notice in writing, substitute any of the designated persons by any of its employees.

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ARTICLE: 19

19. MISCELLANEOUS PROVISIONS

19.1 Equity Lock-in Commitment:

19.1.1 The aggregate equity share holding of the Selected Bidder in the issued and paid up equity share capital of **RAIGAD POWER TRANSMISSION LIMITED** shall not be less than Fifty one percent (51%) up to a period of one (1) year after COD of the Project.

Provided that, in case the Lead Member or Bidding Company is holding equity through Affiliate/s, Ultimate Parent Company or Parent Company, such restriction as specified above shall apply to such entities.

Provided further, that in case the Selected Bidder is a Bidding Consortium, the Lead Member shall continue to hold equity of at least twenty six percent (26%) upto a period of one (1) year after COD of the Project and any Member of such Bidding Consortium shall be allowed to divest its equity as long as the other remaining Members (which shall always include the Lead Member) hold the minimum equity specified above.

19.1.2 If equity is held by the Affiliates, Parent Company or Ultimate Parent Company of the Selected Bidder, then, subject to the second proviso to Article 19.1.1, such Affiliate, Parent Company or Ultimate Parent Company shall be eligible to transfer its shareholding in **RAIGAD POWER TRANSMISSION LIMITED** to another Affiliate or to the Parent Company / Ultimate Parent Company of the Selected Bidder. If any such shareholding entity, qualifying as an Affiliate / Parent Company / Ultimate Parent Company, is likely to cease to meet the criteria to qualify as an Affiliate / Parent Company / Ultimate Parent Company, the shares held by such entity shall be transferred to another Affiliate / Parent Company / Ultimate Parent Company of the Selected Bidder.

19.1.3 Subject to Article 19.1.1, all transfer(s) of shareholding of **RAIGAD POWER TRANSMISSION LIMITED** by any of the entities referred to in Article 19.1.1 and 19.1.2 above, shall be after prior written intimation to the Nodal Agency.

19.1.4 For computation of effective Equity holding, the Equity holding of the Selected Bidder or its Ultimate Parent Company in such Affiliate(s) or Parent Company and the equity holding of such Affiliate(s) or Ultimate Parent Company in **RAIGAD POWER TRANSMISSION LIMITED** shall be computed in accordance with the example given below:

If the Parent Company or the Ultimate Parent Company of the Selected Bidder A directly holds thirty percent (30%) of the equity in **RAIGAD POWER TRANSMISSION**

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LIMITED, then holding of Selected Bidder A in **RAIGAD POWER TRANSMISSION LIMITED** shall be thirty percent (30%);

If Selected Bidder A holds thirty percent (30%) equity of the Affiliate and the Affiliate holds fifty percent (50%) equity in **RAIGAD POWER TRANSMISSION LIMITED,** then, for the purposes of ascertaining the minimum equity/equity lock-in requirements specified above, the effective holding of Bidder A in **RAIGAD POWER TRANSMISSION LIMITED** shall be fifteen percent (15%), (i.e., 30% x 50%)

19.1.5 The provisions as contained in this Article 19.1 shall override the terms of the consortium agreement submitted as part of the Bid.

19.1.6 The TSP shall be responsible to report to Nodal Agency, within thirty (30) days from the occurrence of any event that would result in any change in its equity holding structure from that which existed as on the date of signing of the Share Purchase Agreement. In such cases, the Nodal Agency would reserve the right to ascertain the equity holding structure and to call for all such required documents / information / clarifications as may be required.

19.2 Commitment of maintaining Qualification Requirement

19.2.1 The Selected Bidder will be required to continue to maintain compliance with the Qualification Requirements, as stipulated in RFP Document, till the COD of the Project. Where the Technically Evaluated Entity and/or the Financially Evaluated Entity is not the Bidding Company or a Member in a Bidding Consortium, as the case may be, the Bidding Company or Member shall continue to be an Affiliate of the Technically Evaluated Entity and/or Financially Evaluated Entity till the COD of the Project.

19.2.2 Failure to comply with the aforesaid provisions shall be dealt in the same manner as TSP's Event of Default as under Article 13 of this Agreement.

19.3 Language:

19.3.1 All agreements, correspondence and communications between the Parties relating to this Agreement and all other documentation to be prepared and supplied under the Agreement shall be written in English, and the Agreement shall be construed and interpreted in accordance with English language.

19.3.2 If any of the agreements, correspondence, communications or documents are prepared in any language other than English, the English translation of such agreements, correspondence, communications or documents shall prevail in matters of interpretation.

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19.4 Affirmation

The TSP and the Nodal Agency, each affirm that:

1. neither it nor its respective directors, employees, or agents has paid or undertaken to pay or shall in the future pay any unlawful commission, bribe, pay-off or kick-back; and
2. it has not in any other manner paid any sums, whether in Indian currency or foreign currency and whether in India or abroad to the other Party to procure this Agreement, and the TSP and the Nodal Agency hereby undertake not to engage in any similar acts during the Term of Agreement.

19.5 Severability

The invalidity or enforceability, for any reason, of any part of this Agreement shall not prejudice or affect the validity or enforceability of the remainder of this Agreement, unless the part held invalid or unenforceable is fundamental to this Agreement.

19.6 Counterparts

This Agreement may be executed in one or more counterparts, each of which shall be deemed an original and all of which collectively shall be deemed one and the same Agreement.

19.7 Breach of Obligations/ Roles

The Parties acknowledge that a breach of any of the obligations/ roles contained herein would result in injuries. The Parties further acknowledge that the amount of the liquidated damages or the method of calculating the liquidated damages specified in this Agreement is a genuine and reasonable pre-estimate of the damages that may be suffered by the non-defaulting Party in each case specified under this Agreement

19.8 Restriction of Shareholders / Owners Liability

19.8.1 Parties expressly agree and acknowledge that none of the shareholders of the Parties hereto shall be liable to the other Parties for any of the contractual obligations of the concerned Party under this Agreement.

19.8.2 Further, the financial liabilities of the shareholder(s) of each Party to this Agreement shall be restricted to the extent provided in the Indian Companies Act, 1956 / Companies Act, 2013 (as the case may be).

19.9 Taxes and Duties:

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19.9.1 The TSP shall bear and promptly pay all statutory taxes, duties, levies and cess, assessed/levied on the TSP, its Contractors or their employees that are required to be paid by the TSP as per the Law in relation to the execution of the Project and for providing Transmission Service as per the terms of this Agreement.

19.9.2 The Nodal Agency shall be indemnified and held harmless by the TSP against any claims that may be made against the Nodal Agency in relation to the matters set out in Article 19.9.1.

19.9.3 The Nodal Agency shall not be liable for any payment of, taxes, duties, levies, cess whatsoever for discharging any obligation of the TSP by the Nodal Agency on behalf of TSP or its personnel, provided the TSP has consented in writing to the Nodal Agency for such work, for which consent shall not be unreasonably withheld.

19.10 No Consequential or Indirect Losses

The liability of the TSP shall be limited to that explicitly provided in this Agreement.

Provided that, notwithstanding anything contained in this Agreement, under no event shall the Nodal Agency or the TSP claim from one another any indirect or consequential losses or damages.

19.11 Discretion:

Except where this Agreement expressly requires a Party to act fairly or reasonably, a Party may exercise any discretion given to it under this Agreement in any way it deems fit.

19.12 Confidentiality

19.12.1 The Parties undertake to hold in confidence this Agreement and RFP Project Documents and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

(a) to their professional advisors;
(b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities; or
(c) disclosures required under Law,

without the prior written consent of the other Parties.

Provided that, the TSP agrees and acknowledges that the Nodal Agency, may, at any time, disclose the terms and conditions of the Agreement and the RFP Project Documents to any person, to the extent stipulated under the Law and the Competitive Bidding Guidelines.

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19.13 Order of priority in application:

Save as provided in Article 2.5, in case of inconsistencies between the terms and conditions stipulated in Transmission License issued by the State Commission to the TSP, agreement(s) executed between the Parties, applicable Law including rules and regulations framed thereunder, the order of priority as between them shall be the order in which they are placed below:

- terms and conditions of Transmission License;
- applicable Law, rules and regulations framed thereunder;
- this Agreement;
- Agreement(s), if any, under MERC MYT Regulations.

19.14 Independent Entity:

19.14.1 The TSP shall be an independent entity performing its obligations pursuant to the Agreement.

19.14.2 Subject to the provisions of the Agreement, the TSP shall be solely responsible for the manner in which its obligations under this Agreement are to be performed. All employees and representatives of the TSP or Contractors engaged by the TSP in connection with the performance of the Agreement shall be under the complete control of the TSP and shall not be deemed to be employees, representatives, Contractors of the Nodal Agency and nothing contained in the Agreement or in any agreement or contract awarded by the TSP shall be construed to create any contractual relationship between any such employees, representatives or Contractors and the Nodal Agency.

19.15 Amendments:

19.15.1 This Agreement may only be amended or supplemented by a written agreement between the Parties.

19.16 Waiver:

19.16.1 No waiver by either Party of any default or breach by the other Party in the performance of any of the provisions of this Agreement shall be effective unless in writing duly executed by an authorised representative of such Party.

19.16.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement nor time or other indulgence granted by one Party to the other Parties shall act as a waiver of such breach or acceptance of any variation or the relinquishment of any such right or any other right under this Agreement, which shall remain in full force and effect.

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19.17 Relationship of the Parties:

This Agreement shall not be interpreted or construed to create an association, joint venture, or partnership or agency or any such other relationship between the Parties or to impose any partnership obligation or liability upon either Party and neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

19.18 Entirety:

19.18.1 This Agreement along with its sections, schedules and appendices is intended by the Parties as the final expression of their agreement and is intended also as a complete and exclusive statement of the terms of their agreement.

19.18.2 Except as provided in this Agreement, all prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement or the provision of Transmission Service under this Agreement to the Nodal Agency by the TSP shall stand superseded and abrogated.

19.19 Notices:

19.19.1 All notices or other communications which are required to be given under this Agreement shall be in writing and in the English language

19.19.2 If to the TSP, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the addressee below:

Address	: 7th Floor, FULCRUM, Sahar Road, Andheri (East), Mumbai- 400 099, India
Attention	: Mr. Neeraj Khandekar
Email	: Neeraj.khandekar@apraava.com; sumit.sinha@apraava.com
Telephone No.	: +91-22-6758 8811/8833 9987248465; 8198900928

19.19.3 If to the Nodal Agency, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the addresses below:

(i) **MAHARASHTRA STATE TRANSMISSION UTILITY, (Nodal Agency)**

Address	: 4th Floor, Prakashganga, Plot No. C – 19, E-Block, BKC, Bandra (East), Mumbai – 400051
Attention	: Sh. Peeyush Sharma
Email	: cestu@mahatransco.in

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Telephone No. :

19.19.4 All notices or communications given by facsimile shall be confirmed by sending a copy of the same via post office in an envelope properly addressed to the appropriate Party for delivery by registered mail. All notices shall be deemed validly delivered upon receipt evidenced by an acknowledgement of the recipient, unless the Party delivering the notice can prove in case of delivery through the registered post that the recipient refused to acknowledge the receipt of the notice despite efforts of the postal authorities.

19.19.5 Any Party may by notice of at least fifteen (15) days to the other Party change the address and/or addresses to which such notices and communications to it are to be delivered or mailed.

19.20 Fraudulent and Corrupt Practices

19.20.1 The TSP and its respective officers, employees, agents and advisers shall observe the highest standard of ethics during the subsistence of this Agreement. Notwithstanding anything to the contrary contained in the Agreement, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP, if it determines that the TSP has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in the Bid process. In such an event, the Nodal Agency shall forfeit the Contract Performance Guarantee of the TSP, without prejudice to any other right or remedy that may be available to the Nodal Agency hereunder or subsistence otherwise.

19.20.2 Without prejudice to the rights of the Nodal Agency under Clause 19.20.1 hereinabove and the rights and remedies which the Nodal Agency may have under this Agreement, if a TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Bid process, or after the issue of Letter of Intent (hereinafter referred to as LoI) or after the execution of the agreement(s) required under MERC MYT Regulations, the Nodal Agency may terminate the Agreement without being liable in any manner whatsoever to the TSP. Further, the TSP & its Affiliates shall not be eligible to participate in any tender or RFP issued by any BPC for an indefinite period from the date such TSP is found by the Nodal Agency to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practices, as the case may be.

19.20.3 For the purposes of this Clause 19.20, the following terms shall have the meaning

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hereinafter respectively assigned to them:

(a) **"corrupt practice"** means (i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the actions of any person connected with the Bid process (for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BPC who is or has been associated or dealt in any manner, directly or indirectly with the Bid process or the LoI or has dealt with matters concerning the RFP Project Documents or arising there from, before or after the execution thereof, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of the BPC, shall be deemed to constitute influencing the actions of a person connected with the Bid Process); or (ii) engaging in any manner whatsoever, whether during the Bid Process or after the issue of the LoI or after the execution of the RFP Project Documents, as the case may be, any person in respect of any matter relating to the Project or the LoI or the RFP Project Documents, who at any time has been or is a legal, financial or technical adviser of the BPC in relation to any matter concerning the Project;

(b)"**fraudulent practice**" means a misrepresentation or omission of facts or suppression of facts or disclosure of incomplete facts, in order to influence the Bid process;

(c) "**coercive practice**" means impairing or harming, or threatening to impair or harm, directly or indirectly, any person or property to influence any person's participation or action in the Bid process;

(d) "**undesirable practice**" means (i) establishing contact with any person connected with or employed or engaged by the BPC with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bid process; or (ii) having a Conflict of Interest; and

(e) "**restrictive practice**" means forming a cartel or arriving at any understanding or arrangement among Bidders with the objective of restricting or manipulating a full and fair competition in the Bid process;

19.21 Compliance with Law:

Despite anything contained in this Agreement but without prejudice to Article 12, if any provision of this Agreement shall be in deviation or inconsistent with or repugnant to the provisions contained in the Electricity Act, 2003, or any rules and regulations made there under, such provision shall be deemed to be amended to the extent required to bring it into compliance with the aforesaid relevant provisions as amended from time to time.

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IN WITNESS WHEREOF, THE PARTIES HAVE CAUSED THIS AGREEMENT TO BE EXECUTED BY THEIR DULY AUTHORISED REPRESENTATIVES AS OF THE DATE AND PLACE SET FORTH ABOVE.

1. For and on behalf of TSP

.....

[Signature, Name, Designation and Address]

Neeraj Khandelwal
SVP Business & Project Development Mumbai

2. For and on behalf of **STATE TRANSMISSION UTILITY, MAHARASHTRA (Nodal Agency)**

.....

PEEYUSH. S. SHARMA
CE, MSTU, PRAKASHGANGA, BKC, MUMBAI

[Signature, Name, Designation and Address]

WITNESSES:

1. For and on behalf of

: **BPC**

.....

[Signature]

BIBHUTI GIRI. DGM/PFCCL

[Insert, Name, Designation and Address of the Witness]

2. For and on behalf of

: **Nodal Agency**

28/01/26

.....

[Signature]

PANKAJ P. KULKARNI. EE MSTU MUMBAI.

[Insert Name, Designation and Address of the Witness]

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SCHEDULES

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Schedule: 1

Project Description and Scope of Project

A. Description of the Transmission Scheme

The project has been planned to facilitate reliable power supply to Potential Pumped Storage Plants (PSPs) & and evacuation of Power generated from PSPs (Around 3000 MW) in Raigad District of Maharashtra.

Creation of 765 kV network will strengthen the inter-connection of ISTS and InSTS network in Maharashtra. This will also establish additional 400 kV transmission line & strengthening of the InSTS networks. Evacuation of Pump Storage Plant (PSP's) of 4000 MW towards load center of Mumbai.

The subject Transmission system was deliberated and approved in the 8th meeting of the Empowered Committee held on 08.07.2025. Government of Maharashtra vide Gazette notification dated 03.10.2025 has appointed PFCCL as BPC for implementation of the subject transmission scheme through TBCB route.

B. Detailed Scope of Work

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No	24 Months

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Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Scheduled COD in months from Effective Date**
	• 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos	

Note:

1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation)
   a) 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)
2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters

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TECHNICAL SPECIFICATIONS OF TRANSMISSION SYSTEM

A. SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE

A.1.0 The design, routing and construction of transmission lines shall be in accordance with Chapter V, Part A of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time. Other CEA and MoP Regulations/guidelines as amended up to date, as applicable, shall also be followed.

A.2.0 Selection of tower type shall be made as per CEA Regulations, however in case lattice type towers are used, the following shall also be applicable:

A.2.1 Steel section of grade E 250 and/or grade E 350 as per IS 2062, only are permitted for use in towers, extensions, gantry structures and stub setting templates. For towers in snowbound areas, steel sections shall conform to Grade-C of IS-2062.

A.2.2 Towers shall be designed as per IS-802:2015, however the drag coefficient of the tower shall be as follows: -

Solidity Ratio	Drag Coefficient
Up to 0.05	3.6
0.1	3.4
0.2	2.9
0.3	2.5
0.4	2.2
0.5 and above	2.0

A.3.0 Transmission Service Provider (TSP) shall adopt any additional loading/design criteria for ensuring reliability of the line, if so desired and /or deemed necessary.

A.4.0 Transmission line shall be designed considering wind zones as specified in wind map given in National Building Code 2016, Vol.1. The developer shall also make his own assessment of local wind conditions and frequent occurrences of high intensity winds (HIW) due to thunderstorms, dust-storms, downburst etc. along the line route and wherever required, higher wind zone than that given in wind map shall be considered for tower design for ensuring reliability of line. Further, for transmission line sections passing within a distance of 50 km from the boundary of two wind zones, higher of the two wind zones shall be considered for design of towers located in such sections.

A.5.0 Selection of reliability level for design of tower shall be as per CEA Regulation (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

A.6.0 For power line crossings, following should be followed:

a) For power line crossing of 400 kV or above voltage level, large angle and dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.

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b) For power line crossing of 132kV and 220kV (or 230kV) voltage level, angle towers (B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.

c) For power line crossing of 66kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of theprevailing site condition and line deviation requirement.

d) For crossing of railway track, national highways and state highways, the rules/Regulations of appropriate authorities shall be followed.

A.7.0 The relevant conductor configuration shall be as follows: -

(a) For all 765 kV lines under present scope

Type of conductor: ACSR / AAAC / AL59 Basic

Parameters:

Transmission line	ACSR Conductor Specified	Equivalent AAAC conductor based on 53.5% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
765 kV D/C (Hexa Bundle) Transmission Lines	**Zebra : Stranding** 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 mm^2, Aluminium area, 28.62 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06868 Minimum UTS: 130.32 kN	**Stranding details:** 61/3.19mm, 487.5 mm^2 Aluminium alloy area 28.71 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06815 Minimum UTS: 135.6 kN	**Stranding details:** 61/3.08mm, 454 mm^2 Aluminium alloy area 27.72 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.0653 Minimum UTS: 108 kN	457 mm

(b) For the 400 kV LILO Line on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon under present scope

Type of conductor: AAAC

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Transmission line	Equivalent AAAC conductor based on 53%conductivity of Al Alloy	Sub-conductor Spacing
400 kV D/C (Quad Bundle) Transmission lines	**Stranding details:** 61/3.45mm 31.05 mm diameter; 570 mm^2 Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0598 Minimum UTS: 158.66 kN	457 mm

(C) For all 220 kV lines under present scope

Transmission line	ACSR Conductor specified	Equivalent AAAC conductor based on 53% conductivity of Al Alloy	Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*	Sub-conductor Spacing
220 kV D/C (Zebra) transmission lines	Zebra: Stranding 54/3.18 mm-Al + 7/3.18 mm-Steel, 428 sq mm, Aluminium area, 28.62 mm diameter Maximum DC Resistance at 20°C (Ω/km): 0.06868 Minimum UTS: 130.32 kN	Stranding Details: 61/3.19 mm 28.71 mm diameter; 487.5 sq.mm Aluminum alloy area Maximum DC Resistance at 20°C (Ω/km): 0.06815 Minimum UTS: 135.60 kN	Stranding Details: 61/3.08 mm 27.7 mm diameter; 454 sq.mm Aluminium alloy area Maximum DC Resistance at 20°C (Ω/km): 0.0653 Minimum UTS: 108 kN	NA

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Note:

1. **To Select any size above the minimum, the sizes mentioned in the Indian standard IS-398(part-6) shall be followed.*
2. *The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C.*

A.8.0 The required phase to phase spacing and horizontal spacing for 765 kV and 400 kV line shall be governed by the tower design as well as minimum live metal clearances for 765 kV and 400 kV voltage level under different insulator swing angles. However, the phase to phase spacing for 765 kV line shall not be less than 15 m and for 400 kV line shall not be less than 8 m.

A.9.0 All Electrical clearances including minimum live metal clearance, ground clearance and minimum mid span separation between earth wire and conductor as given below shall be considered:

I. **Minimum live metal clearances for 765 kV line:**

(i) Under stationary conditions

From tower body: For 765 kV D/C: 6.1 m

For 765 kV S/C: 5.6 m

(ii) Under swing conditions

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (25º)	4.4 m
b) Swing angle (55º)	1.3 m

(iii) Minimum ground clearance for 765kV line: 18 m

(iv) Minimum mid span separation between earth-wire and conductor for 765 kV line: 9.0 m

II. Minimum live metal clearances for 400 kV line:

(i) Under stationary conditions

From tower body: 3.05 m

(ii) Under swing conditions

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (22º)	3.05 m
b) Swing angle (44º)	1.86 m

(iii) Minimum ground clearance for 400kV line: 8.84 m

(iv) Minimum mid span separation between earth-wire and conductor for 400 kV line: 9.0 m

III. Minimum live metal clearances for 220 kV line:

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(i) Under stationary conditions: From tower body: 2.13 m

(ii) Under swing conditions:

Wind pressure Condition	Minimum electrical clearance
a) Swing angle (15º)	1.98 m
a) Swing angle (30º)	1.83 m
b) Swing angle (45º)	ii.675

(iii) Minimum ground clearance: 7.015 m

(iv) Minimum mid span separation between earth-wire and conductor: 8.5 m

(v) However, the phase spacing for 220 kV D/C Line shall be not less than 4.9 m.

A.10.0 Shielding angle shall not exceed 10 deg for 765 kV D/C and 20 deg for 400 kV D/C Line transmission line and shall not exceed 30 deg for 220 kV transmission lines.

A.11.0 Transposition is to be done for all transmission lines whose length is greater than 100 km. Transposition should be carried out at 1/3 and 2/3 of line length tower positions. Transposition of the transmission line after construction of LILO shall be maintained by developer.

A.12.0 The Fault current for design of line shall be 50 kA for 1 sec for 765 kV, 63 kA for 1 sec for 400 kV and 50kA for 1sec for 220kV.

A.13.0 In case of 400 kV and above voltage class lines, at least one out of two earth wires shall be OPGW and second earth wire, if not OPGW, shall be either of galvanized standard steel (GSS) or Aluminum Alloy Conductor Steel Reinforced (AACSR) conductor type or any other suitable conductor type depending upon span length and other technical consideration.

A.14.0 Each tower shall be earthed such that tower footing impedance does not exceed 10 ohms. Pipe type or Counterpoise type earthing shall be provided in accordance with relevant IS. Additional earthing shall be provided on every 7 to 8 kms distance for direct earthing of both shield wires. If site condition demands, multiple earthing or use of earthing enhancement compound shall be used.

A.15.0 Pile type foundation shall be used for towers located in river or creek bed or on bank of river having scourable strata or in areas where river flow or change in river course is anticipated, based on detailed soil investigation and previous years' maximum flood discharge of the river, maximum velocity of water, highest flood level, scour depth and anticipated change in course of river based on river morphology data of at least past 20 years to ensure availability and reliability of the transmission line.

A.16.0 Transmission line route shall be finalized, in consultation with appropriate authorities so as to avoid the habitant zones of endangered species and other protected species. Bird diverters, wherever required, shall be provided on the line.

A.17.0 Wherever, transmission lines are passing through cyclone prone areas i.e. areas upto 60 km from coast following shall also be applicable:

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a) Terrain category-I, with terrain roughness factor (K2) of 1.08 shall be considered for tower design for exposed open terrain with few or no obstruction which also includes open sea coasts, open stretch of water, desert and flat treeless plains

b) Importance factor for cyclonic region (K4) of 1.3 shall be considered for tower design.

c) The number of consecutive spans between the section points/ angle point shall not exceed 10 spans or 3km instead of conventional practice of 15 spans or 5km, in order to reduce the failure of such towers in coastal areas due to cascading effect. The section shall be terminated with tension tower/ angle tower and angle of deviation should be based on the site requirement.

A.18.0 Wherever, transmission lines are passing through cyclone prone areas (i.e. areas up to 60 km from coast)/ creek regions/ aggressive soil areas following shall also be applicable:

a) The fabricated tower parts and stubs shall have a minimum overall zinc coating of 900 g/m^2 of surface area except for plates and sections below 5mm which shall have a minimum overall zinc coating of 610 g/m^2 of surface area. The average zinc coating for all sections and plates 5mm and above shall be maintained as 127 microns and that for plates and sections below 5 mm shall be maintained as 87 microns.

b) Ready mix concrete of M30 Grade shall be used to avoid use of locally available saline water. However, design mix concrete of M30 Grade conforming to IS 456 with potable water can be used at locations where transportation of ready-mix concrete is not feasible. Minimum cement content in any case shall not be less than 330kg/m^3.

c) The surface of the reinforced steel shall be treated with epoxy-based coating to enhance corrosion performance of foundation. Use of epoxy coated reinforcement in foundation shall be as per IS 13620. In addition, two (2) coats of bituminous painting of minimum 1.6kg/ m^2 per coat shall be applied on all exposed faces of foundation (i.e. pedestal and base slab).

d) Double coat 20mm thick cement plaster shall be provided on all exposed concrete surface as well up to 300mm below ground level to give protection to concrete surface from environmental and saline effect.

e) Before coping of chimney top portion, three coats of anti-corrosive paint of minimum 30-35 microns dry film thickness each shall be applied on the stub in the 50mm coping portion as well as up to 350mm above CL portion.

A.19.0 The raised chimney foundation is to be provided in areas prone to flooding/water stagnation like paddy field /agricultural field and undulated areas to avoid direct contact of water with steel part of tower. The top of the chimney of foundation should be at least above HFL (High Flood Level) or the historical water stagnation/ logging level (based

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on locally available data) or above High Tide Level or 500 mm above Natural Ground level (whichever is higher).

A.20.0 Routing of transmission line through protected areas of India shall be avoided to the extent possible. In case, it is not possible to avoid protected areas, the towers of the transmission line up to 400 kV level which are installed in protected areas shall be designed for Multi-circuit (4 circuits) configuration of same voltage level considering reliability level of at least two (2). The top two circuits of these multi-circuit towers shall be used for stringing of the transmission line under present scope and the bottom two circuits shall be made available for stringing of any future transmission line of any transmission service providers/ State transmission utilities/Central transmission utilities passing through the same protected area. Further, the configuration and coordinates of such transmission towers shall be submitted to STU/CTU and BPC by the TSP.

A.21.0 The TSP shall abide by the Guidelines of CEA w.r.t. shifting of transmission lines for NHAI projects and other projects.

A.22.0 Safety precautions in regards to gas/oil pipe lines in vicinity of Transmission lines shall be taken in coordination with gas/ petroleum authorities.

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B. SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION

The proposed 765/400/220 kV Kandalgaon Substation shall be conventional Air Insulated Switchgear (AIS) type generally conforming to the requirements of CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022, as amended from time to time.

LOCATION DETAILS OF EXISTING / PLANNED SUBSTATIONS:

a) **765/400/220 kV AIS Kandalgaon -** New substation which is to be implemented under present scheme. Tentative Location : Lattitude-18° 15'52.35" N, Longitude-73° 17'43.16"E

b) **220 kV AIS Kandalgaon (Existing) :** Lattitude- 18°21'13.3"N , Longitude-73°19'26.4"E

Note: *The above coordinates/location of substation indicated is approximate in the substation area. Exact coordinates for the corresponding bays/gantry for termination of the respective line may be verified and finalized in coordination with actual site.*

Other CEA Regulations/guidelines as amended up to date and MoP guidelines, as applicable, shall also be followed.

B.1.0 Salient features of Substation Equipment and Facilities

The design and specification of substation equipment are to be governed by the following factors:

B.1.1 Insulation Coordination

The system design parameters for substations/switchyards shall be as given below:

Sl. No.	Description of parameters	765/400/220 kV AIS Kandalgaon		
		765 kV System	400 kV System	220 kV System
1.	System operating voltage	765 kV	400 kV	220 kV
2.	Maximum voltage of the system (rms)	800 kV	420 kV	245 kV
3.	Rated frequency	50 Hz	50 Hz	50 Hz
4.	No. of phase	3	3	3
5.	Rated Insulation levels			
i)	Lightning Impulse withstand voltage for (1.2/50 micro sec.) - for Equipment other tha Transformer and reactor - for Insulator String	2100 kVp 2100 kVp	1425 kVp 1550 kVp	1050 kVp 1050 kVp
ii)	Switching impulse withstand voltage (250/2500 micro sec.) dry and wet	1425 kVp	1050 kVp	460 kVp

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Sl. No.	Description of parameters	765/400/220 kV AIS Kandalgaon		
		765 kV System	400 kV System	220 kV System
iii)	One minute power frequency dry withstand voltage (rms)	830 kV	630 kV	
6.	Corona extinction voltage	508 kV	320 kV	156 kV
7.	Max. radio interference voltage for frequency between 0.5 MHz and 2 MHz	2500 micro-volt at 508 kV rms	1000 micro-volts at 266 kV rms	1000 micro-volts at 156 kV rms
8.	Minimum creepage distance for insulator string/ longrod insulators/ outdoor bushings	24800 mm (31 mm/kV)	13020 mm (31 mm/kV)	7595 mm (31 mm/kV)
9.	Minimum creepage distance for switchyard equipment	24800 mm (31 mm/kV)	13020 mm (31 mm/kV)	7595 mm (31 mm/kV)
10.	Max. fault current	50 kA	63 kA	50 kA
11.	Duration of fault	1 sec	1 sec	1 sec

B.1.2 Switching Scheme

The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:

Substation	765 kV	400 kV	220 kV
765/400/220 kV AIS Kandalgaon	One and half breaker	One and Half breaker	Double Main and Transfer

Notes: -

i) *For one and half breaker switching scheme, any double circuit line consisting of two numbers of feeders and originating from the same transmission or generating switchyard shall not be terminated in one diameter.*

ii) *Two transformers of same HV rating shall not be connected in the same diameter and similarly two bus reactors of same HV rating shall also not be connected in the same diameter.*

iii) *A diameter in one and half breaker scheme is a set of 3 circuit breakers with associated isolators, earth switches, current transformers etc. for controlling 2 (two) numbers of feeders.*

iv) *Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.*

v) *Space for 765 kV, 400 kV & 220 kV future line bays shall be kept considering provision of switchable line reactors.*

vi) *TSP shall plan distribution of line and transformer feeders to bus bar in such a way*

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that all power can be evacuated successfully without crossing thermal limit at any point of bus-bar.

vii) *For AIS type substation, TSP shall keep space provisions for future elements such that interconnection arrangement to the corresponding future bays can be done with overhead AIS type connection without any cable/ GIS duct.*

viii) **765/400/220 kV AIS Kandalgaon**

765 kV bay configurations (one and half breaker scheme) shall be as follows:

Configuration	Numbers
ICT- Tie- Line	*3 (three)*
Bus Reactor-Tie-Line	*1 (one)*
Future space for ICT- Tie- Future space for Line**	*1 (one)*
Future space for line-Tie-Future space for line**	*2 (two)*

400 kV bay configurations (one and half breaker scheme) shall be as follows:

Configuration	Numbers
ICT - Tie- Line	*4 (four)*
*ICT - Tie- Future space for Line**	*1 (one)*
*Bus Reactor-Tie- Future space for line **	*1 (one)*
Future space for ICT- Tie- Future space for line **	*1 (one)*
*Future space for line *-Tie-Future Space for ICT**	*1 (one)*

220 kV bay configurations (double main bus scheme) shall be as follows:

Configuration	***Number of Bays (Double Main bus System)***
Main Bus-I	
a) ICT Bay	*1 (One)*
b) line bay	*1 (One)*
c) Space Provision for future line bay	*1 (One)*
d) Space Provision for future ICT bay	*1 (One)*
Main Bus-II	
e) ICT Bay	*1 (One)*
f) line bays	*1 (One)*
g) Space Provision for future line bay	*1 (One)*

B.2.0 Substation Equipment and facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following capacity.

Sl.No	Description of bay	765/400/220 kV AIS Kandalgaon		
		765 kV	400 kV	220 kV
1.	Bus Bar	4000 A	4000 A	3000 A

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2.	Line bay	3150 A	3150 A	1600 A
3.	ICT bay	3150 A	3150 A	1600 A
4.	Reactor bay	3150 A	3150 A	N/A
5.	Bus Sectionaliser bay	N/A	N/A	NA
6.	Bus Coupler Bay	N/A	N/A	3000 A
7.	Transfer Bus coupler bay	N/A	N/A	1600A

B.2.1 Power Transformers

B.2.1.1 (765/√3)/(400/√3) kV, Single Phase Autotransformer

500 MVA, (765/√3)/(400/√3) kV, 1-phase autotransformer (including arrangement for 3-phase bank formation of 1500 MVA) shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above voltage class)" as amended upto date available on CEA website.

Spare 1-phase Transformer unit shall be placed and connected in such a way that the spare unit can be utilized to replace any unit of any of the transformer banks (including for future transformer banks) without physically moving it.

B.2.2 Shunt Reactors

B.2.2.1 (765/√3) kV, Single Phase Shunt Reactor

80 MVAR, 765/√3 kV, 1-Phase Reactor (including arrangement for 3-phase bank formation of 240 MVAR) Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class)" as amended up to date available on CEA website.

400 kV, 3-Phase, Shunt Reactor

125 MVAR, 420 KV, 3-Phase Reactor shall conform to CEA's "Standard Specifications and Technical Parameters for Transformers and Reactors available on CEA website.

B.2.3 765 kV, 400 kV & 220 kV AIS Substation equipment (as applicable)

B.2.3.1 Circuit Breakers (AIS)

The circuit breakers and accessories shall conform to IEC: 62271-100, IEC: 62271-1 and shall be of SF6 Type. The circuit breakers shall be of class C2-M2 (as per IEC) with regard to restrike probability during capacitive current breaking and mechanical endurance. The rated break time shall not exceed 40 ms for 765 (800) kV and 400 (420) kV circuit breakers and 60 ms for 220 kV circuit breakers. 765 (800) kV, 400 (420) kV and 220 kV Circuit breakers shall be provided with single phase and three phase auto reclosing. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 765 kV lines shall be

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provided either with pre-insertion closing resistor of about 450 ohms maximum with 9 ms insertion time or with Controlled Switching Device. The Circuit breakers controlling 400 kV lines shall be provided with pre insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be same as the rated capacity and this is proposed to be achieved without use of opening resistors. The controlled switching device shall be provided in Circuit breakers of switchable line reactor bay and in Main and Tie bay circuit breakers of line with non-switchable line reactors, Bus reactors and Transformers of voltage class 400 kV and above.

B.2.3.2 Isolators (AIS)

The isolators shall comply to IEC 62271-102 in general.765 Kv, 400 kV & 220 kV Isolator design shall be double break or vertical break or knee-type. All Isolators and earth switches shall be motor operated. Earth switches shall be provided at various locations to facilitate maintenance. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. 765 kV , 400 kV & 220 kV earth switch for line isolator shall be suitable for induced current switching duty as defined for Class-B.

B.2.3.3 Current Transformers (AIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) for 765 kV, 400 kV shall have six (five for 400 kV) cores (four for protection and two for metering) and 220 kV Current Transformers shall have five cores (four for protection and one for metering). The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. Accuracy class for protection core shall be PX and for metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 20VA for metering core) for better sensitivity and accuracy. The instrument security factor shall be less than 5 for CTs upto 400 kV and less than 10 for CTs of 765 kV voltage class.

B.2.3.4 Capacitive Voltage Transformers (AIS)

Capacitive Voltage transformers shall comply with IEC 61869 in general. These shall have three secondaries out of which two shall be used for protection and one for metering. Accuracy class for protection cores shall be 3P and for metering core shall be 0.2. The Capacitive voltage transformers on lines shall be suitable for Carrier Coupling. The Capacitance of CVT for 400 kV and 220 kV shall be of 4400/8800 pF depending on PLCC requirements whereas the Capacitance of CVT for 765 kV shall be 8800 pF. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

B.2.3.5 Surge Arresters (AIS)

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624 kV, 336 kV Station High (SH) duty gapless type Surge arresters with thermal energy (Wth) of minimum 13 kJ/kV, 12 kJ/kV conforming to IEC 60099-4 in general shall be provided for 800 kV, 420 kV systems respectively. 336 kV Station High (SH) duty and 216 kV Station Medium (SM) duty gapless type SurgeArresters with thermal energy (Wth) of minimum 12 kJ/kV and 7 kJ/kV conforming to IEC 60099-4 in general shall be provided for 220 kV systems respectively. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and reactors so as to achieve proper insulation coordination. Surge Arresters shall be provided with porcelain/ polymer housing fitted with pressure relief devices. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4 220 kV GIS Substation equipment

GIS (Gas Insulated Switchgear) shall be Indoor type in accordance to IEC: 62271-203. The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All the switchgear such as Circuit Breaker, isolator, earth switch including CT, PT etc. shall be GIS type. The Surge Arrestor and Voltage Transformer shall be either GIS or outdoor AIS type.

The GIS assembly shall consist of separate modular compartments e.g. Circuit Breaker compartment, Bus bar compartment filled with SF6 Gas and separated by gas tight partitions so as to minimize risk to human life, allow ease of maintenance and limit the effects of gas leaks failures and internal arcs etc. These compartments shall be designed to minimize the risk of damage to adjacent sections and protection of personnel in the event of a failure occurring within the compartments. Rupture diaphragms with suitable deflectors shall be provided to prevent uncontrolled bursting pressures developing within the enclosures under worst operating conditions, thus providing controlled pressure relief in the affected compartment. The arrangement of gas sections or compartments shall be such as to facilitate future extension of any make without any drilling, cutting or welding on the existing equipment. To add equipment, it shall not be necessary to move or dislocate the existing switchgear bays. The layout of Gas Insulated Bus Ducts shall be properly planned to optimize the length of bus ducts and for easy accessibility for maintenance. The length of busbars, bus ducts, isolator sections shall be optimized considering effects of fast transient voltage due to isolator operations.

The bus bar modules including auxiliary bus modules (wherever applicable) shall be provided with suitable End Piece (Interface) module on both sides with the test link facility for future extension as per provisions of future requirements. The end piece module shall be designed in such a way so that future GIS modules may be tested without extending test voltage to existing bus and vice-versa by removing the test link.

TSP shall make available the complete details for the design of interface module such as

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cross section, enclosure material, enclosure dimensions (inner and outer), Flange diameter (inner and outer), conductor cross-section and connection arrangement, bolt spacing and dimension, rated gas pressure, Gasket detail etc. Further, adequate space for GIS busbar interface module shall be taken into account for future scope.

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Each section shall have plug-in or easily removable connection pieces to allow for easy replacement of any component with the minimum disturbance to the remainder of the equipment. Inspection windows (View Ports) shall be provided for Disconnector Switches and both type of earth switches i.e. Maintenance and fast operating.

Local Control Cabinets (LCC) shall be provided as per requirement. The alarm and annunciation of GIS equipment shall be wired to the SCADA System.

The material and thickness of the enclosures shall be such as to withstand an internal flashover without burns through for a period of 300 ms at rated short time withstand current. The material shall be such that it has no effect of environment as well as from the by-products of SF6 breakdown under arcing conditions. This shall be validated with Type Test.

Service continuity requirement for GIS:

The GIS equipment with the given bus switching arrangement shall be divided into different gas compartments. During the work such as a fault repair or major maintenance, requiring the dismantling of a gas compartment for which more than one compartments may need to be de-gassed.

TSP shall meet following Service continuity conditions (to the extent possible) with ensuring equipment and operating personnel's safety:

- For One and half breaker bus switching scheme, during a fault in Circuit Breaker compartment, no bus bar and feeder is permitted out of service during maintenance and repair/replacement.

- During a fault in a GIS compartment other than the Circuit Breaker compartment, maximum of one bus bar and/or one feeder is permitted out of service during maintenance and repair/replacement.

UHF sensors in GIS for PD (Partial Discharge) detection:

The adequate number of Ultra High Frequency (UHF) sensors shall be provided in the offered GIS along with suitable portable type Partial Discharge (PD) measuring instrument for detection of Partial discharge (of 5 pC and above as per IEC 60270). The number and location of these sensors shall be based on laboratory tests on the typical design of GIS as per recommendations of CIGRE Document No. 654 (Application Guide for sensitivity verification for UHF Partial discharge detection system for GIS).

B.2.4.1 Circuit Breakers (GIS)

GIS Circuit breakers shall in general be of C2-M2 class and comply to IEC-62271-100. The rated break time shall not exceed 40 ms (milli second) for 765 kV and 400 kV. The rated break time shall not exceed 60 ms for 220 kV. Circuit breakers shall be suitable for single

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phase and three phase auto reclosing. Each breaker would have two sets of trip circuits which would be connected to separate DC supplies for greater reliability. The Circuit breakers controlling 765 kV lines shall be provided with pre-insertion closing resistor of about 450 ohms with 9 ms insertion time or Controlled Switching Device (CSD). The Circuit breakers controlling 400 kV lines wherever required shall be provided with pre-insertion closing resistor of about 400 ohms with 8 ms insertion time or Controlled Switching Device (CSD) for lines longer than 200 km. The short line fault capacity shall be the same as the rated capacity and this is proposed to be achieved without use of opening resistors. Controlled switching device shall be provided in Main and Tie bay circuit breakers of Bus reactors and Transformers for 400 kV and above voltage class.

B.2.4.2 Isolators (GIS)

The isolators shall comply to IEC 62271-102 in general. Earth switches shall be provided at various locations to facilitate maintenance. Main blades and earth blades shall be interlocked and interlock shall be fail safe type. All isolators and earth switches shall be motor operated type.

The isolator shall be of extended mechanical endurance class-M2 and suitable for Bus Transfer Current Switching duty as per IEC standards. High speed earthing switches shall be provided for grounding purposes at overhead line terminations and cable terminations and shall have fault making capability as specified. Earth switch for line isolator shall be of earthing switch class E1 and shall be suitable for induced current switching duty as defined for Class-B as per relevant standard.

B.2.4.3 Current Transformers (GIS)

Current Transformers shall comply with IEC 61869 in general. All ratios shall be obtained by secondary taps only. Generally, Current Transformers (CT) shall have five cores (four for protection and one for metering) whereas; CT in Tie bays shall have six cores (four for protections and two for metering) suitably distributed on both sides of CB (for 400 kV and above voltage class). 220 kV Current Transformers shall have five cores (four for protection and one for metering).The burden and knee point voltage shall be in accordance with the requirements of the system including possible feeds for telemetry. The accuracy class for protection core shall be PX and for the metering core it shall be 0.2S. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 20 VA for metering core) for better sensitivity and accuracy.

The instrument security factor shall be less than 5 for CTs up to 400 kV voltage class and less than 10 for CTs of 765 kV voltage class.

B.2.4.4 Voltage Transformer (GIS)

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The voltage transformers shall conform to IEC-61869. Voltage transformers shall be of electromagnetic type with SF6 gas insulation. The earth end of the high voltage winding and the ends of the secondary winding shall be brought out in the terminal box. The voltage transformers shall be located as a separate bay module and will be connected phase to ground and shall be used for protection, metering and synchronization. The voltage transformers shall be of inductive type, nonresistant and shall be contained in their own-SF6 compartment, separated from other parts of installation. The voltage transformer shall be effectively shielded against high frequency electromagnetic transients. The voltage transformer shall have three secondary windings out of which two shall be used for protection and one for metering. The voltage transformer should be thermally and dielectrically safe when the secondary terminals are loaded with the guaranteed thermal burdens. The accuracy class for protection cores shall be 3P. The accuracy of 0.2 on metering core should be maintained throughout the entire burden range on all the three windings without any adjustments during operation. The rated burden of cores shall be closer to the maximum burden requirement of metering and protection system (not more than 50 VA for metering core) for better sensitivity and accuracy.

B.2.4.5 Surge Arresters (GIS) (if applicable)

624 kV Station High (SH) duty, 336 kV Station High (SH) and 216 kV Station Medium (SM)duty gapless type Surge arresters with thermal energy (With) of minimum 13 kJ/ kV , 12 kJ/ kV and 7kJ/kV respectively shall be provided for 800 kV , 420 kV and 245 kV system respectively conforming to IEC 60099-4 in general. Other characteristics of Surge arrester shall be chosen in accordance with system requirements. Surge arresters shall be provided at line entrances, near transformers and Reactors so as to achieve proper insulation coordination. A leakage current monitor with surge counter shall be provided with each surge arrester.

B.2.4.6 SF6 to Air Bushing

Outdoor bushings, for the connection of conventional external conductors to the SF6 metal enclosed switchgear, shall be provided. Bushings shall generally be in accordance with the requirements of IEC-60137. The creepage distance over the external surface of outdoor bushings shall not be less than 31 mm/ kV. SF6 to air Bushing shall be of Polymer/ composite type and shall be robust and designed for adequate cantilever strength to meet the requirement of seismic conditions. The electrical and mechanical characteristics of bushings shall be in accordance with IEC-60137. Polymer/composite insulator shall be seamless sheath of silicon rubber compound. The housing and weather sheds should have silicon content of minimum 30% by weight. It should protect the bushing against environmental influences, external pollution and humidity. The hollow silicon composite insulators shall comply with the requirements of IEC 61462 and the relevant parts of IEC-62217.

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B.2.5 Protection Relaying and Control System

The protective relaying system proposed to be provided for transmission lines, auto-transformers, reactors and bus bars to minimize the damage to the equipment in the events of faults and abnormal conditions, is dealt in this section. All main protective relays shall be numerical type with IEC 61850 communication interface and should have interoperability during integration of numerical relays to communicate over IEC61850 protocol with RTU/SAS/IEDs of different OEMs. All numerical relays shall have built in disturbance recording feature.

The protection circuits and relays of transformer and reactor shall be electrically and physically segregated into two groups each being independent and capable of providing uninterrupted protection even in the event of one of the protection groups failing, to obtain redundancy, and to take protection systems out for maintenance while the equipment remains in service.

i) Transmission Lines Protection

765 kV, 400 kV and 220 kV lines shall have Main-I numerical three zone distance protection scheme with carrier aided inter-tripping feature. The fourth zone shall be the reverse zone. 765 kV, 400 kV and 220 kV lines shall also have Main-II numerical distance protection scheme like Main-I but from different make that of Main-I. The Main-I and Main-II protection relays of same make may be provided only if they are ofdifferent hardware and manufacturing platform or different principle of operation.

However, Line Current Differential relay (with back up distance protection feature) as Main–I and Main-II shall be considered at both ends for short lines (line length below 10 km) having Fibre Optic communication link. Differential relay at remote end shall be provided by the TSP. Associated power and control cabling and integration with SAS at remote end shall be provided by respective bay owner.

In case of loop in loop out of transmission lines, the existing protection scheme shall be studied and suitable up-gradation (if required) shall be carried out.

Further, all 765 kV, 400 kV & 220 kV lines shall be provided with single and three phase auto- reclosing facility to allow reclosing of circuit breakers in case of transient faults. These lines shall also be provided with distance to fault locators to identify the location of fault on transmission lines.

All 765 kV, 400 kV & 220 kV lines shall also be provided with two stages over voltage protection. Over voltage protection and distance to fault locator may be provided as in-built feature of Main-I and Main-II protection relays. Auto reclose as built-in function of Bay Control Unit (BCU) is also acceptable.

The Main-I and Main-II protection relays shall be fed from separate DC sources and shall be mounted in separate panels.

For 765 kV, 400 kV & 220 kV transmission lines, directional IDMT earth fault relay should be provided as standalone unit or in-built feature of Main-I and Main -II feature.

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ii) **Auto Transformer Protection**

These shall have the following protections:

a) Numerical Differential protection

(400/220 kV ICTs shall have two differential protection relays. The second differential relay shall be provided on IV side C&R panel to avoid congestion on HV side C&R panel. The differential relay shall have different make and algorithm.)

ii) Numerical Restricted earth fault protection

iii) Numerical Back-up Over-current and earth fault protection on High Voltage (HV) and Intermediate Voltage (IV) side

iv) Numerical Over fluxing protection on HV and IV side

v) Numerical Overload alarm

Further, Numerical Back-up Over-current and earth fault protection on HV and IV side of autotransformer shall not be combined with other protective functions in the main relays and shall be independent relays. Besides these, power transformers shall also be provided with Buchholz relay, protection against high oil and winding temperature and pressure relief device etc.

Suitable monitoring, control (operation of associated circuit breaker and isolator) and protection for LT auxiliary transformer connected to tertiary winding of auto-transformer for the purpose of auxiliary supply shall be provided. The over current and other necessary protection shall be provided for the auxiliary transformer. These protection and control may be provided as built-in feature either in the bay controller to be provided for the auxiliary system or in the control and protection IEDs to be provided for autotransformer.

iii) **765 kV and 400 kV Reactor Protection**

Reactor shall be provided with the following protections:

a) Numerical Differential protection.

b) Numerical Restricted earth fault protection

c) Numerical Back-up impedance protection

Besides these, reactors shall also be provided with Buchholz relay, Magnetic Oil Gauge (MOG) with low oil level alarm, protection against oil and winding temperatures and pressure relief device, etc.

iv) **Bus bar Protection**

The high-speed low impedance type bus bar differential protection, which is essential to minimize the damage and maintain system stability at the time of bus bar faults, shall be provided for 765 Kv,400 kV & 220 kV buses. Duplicated bus bar protection is envisaged for 765 kV 400 kV & 220 kV bus-bar protection. Bus bar protection scheme shall be such that it operates selectively for each bus and incorporate necessary features required for

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ensuring security. The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays shall also be provided.

Bus Bar protection system for new substation shall be de-centralized (distributed) type.

The scheme shall have complete bus bar protection for present as well as envisaged future bays i.e. input / output modules for future bays for the bus sections under present scope and PUs shall be provided by the respective bay owners. In case, the bus section is provided, then each side of bus section shall have separate set of bus bar protection schemes.

For existing substations, the existing bus bar protection shall be augmented as per requirement.

v) **Local Breaker Back up Protection**

This shall be provided for each 765 kV, 400 kV & 220 kV circuit breakers and will be connected to de-energize the affected stuck breaker from both sides.

Notes:

1. *LBB and REF relays shall be provided separately from transformer differential relay.*
2. *LBB relay may also be provided as built-in protection function of distributed bus bar protection scheme; however in such case separate LBB relay shall be provided for tie bays (in case of One and Half breaker scheme).*
3. *Over fluxing and overload protection can be provided as built-in feature of differential relay.*
4. *In 765 kV and 400 kV switchyard, if spare bay of half diameter is identified as future, Tie CB relay panel shall be with Auto-reclosure feature.*

B.2.6 Substation Automation System

a) For all the new substations, state of art Substation Automation System (SAS) conforming to IEC-61850 shall be provided. The distributed architecture shall be used for Substation Automation system, where the controls shall be provided through Bay control units. The Bay control unit is to be provided bay wise for voltage level 220 kV, 400 kV and above. All bay control units as well as protection units are normally connected through an Optical fiber high speed network. The control and monitoring of circuit breaker, disconnector, re-setting of relays etc. can be done from Human Machine Interface (HMI) from the Relay Control Room.

The functions of control, annunciation, disturbance recording, event logging and measurement of electrical parameters shall be integrated in the Substation Automation System.

At new substations, the Substation Automation System (SAS) shall be suitable for operation and monitoring of the complete substation including proposed future bays/elements.

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In existing substations with Substation automation system (SAS), augmentation of existing SAS shall be done for bays under present scope.

In existing Substations where Substation automation is not provided, control functions shall be done through control panels.

Necessary gateway and modems (as required) shall be provided to send data to RLDC/SLDC as per their requirement and shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation. Accordingly, all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup RLDCs. Any augmentation work at RLDC/SLDC is excluded from TSP's scope. However, all the configuration work at substation end required to send data to RLDC/SLDC shall be in the scope of TSP.

b) Time synchronization equipment

Time synchronization equipment complete in all respect including antenna, cable, processing equipment required to receive time signal through GPS or from National Physical Laboratory (NPL) through INSAT shall be provided at new substations. This equipment shall be used to synchronize SAS and IEDs etc.

B.3.0 Substation Support Facilities

Certain facilities required for the operation and maintenance of substations as described below shall be provided at the new substation. In existing substation, these facilities have already been provided and will be extended/ augmented as per requirement.

B.3.1 AC and DC power supplies

For catering the requirements of three phase and single phase AC supply and DC supply for various substation equipment (for present and future scope), the following arrangement is envisaged:-

a) For LT Supply at each new Substation, two (2) nos. of LT Transformers (minimum 800 kVA for substations with highest voltage rating as 765 kV) shall be provided which shall be fed from two independent sources as per the CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

For LT Supply at each new Substation, two (2) nos. of auxiliary Transformers (minimum 630 kVA for substations with highest voltage rating as 400 kV) shall be provided which shall be fed from two independent sources as per CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007.

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Metering arrangement with Special Energy Meters (SEMs) shall be provided by TSP at 33 kV tertiary of Transformer for drawing auxiliary supply at new substation.Such SEMs shall be provided by STU at the cost of the TSP. Accounting of such energy drawn by the TSP shall be done by SLDC as part of Regional Energy Accounting.

Additionally, Active Energy Meters may be provided at the same point in the 33 kV tertiary of 765/400/33 kV Transformer by local DISCOM for energy accounting.

b) 2 sets of 220V battery banks for control and protection and 2 sets of 48 V battery banks for PLCC/ communication equipment shall be provided at each new Substation. Each battery bank shall have a float-cum-boost charger.

At new substation, sizing of 220 V battery and battery charger shall be done based on the number of bays specified (including future bays) as per CEA Regulations and relevant IS. 2 sets of 48 V battery banks for PLCC and communication equipment for present and future scope shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required. 48 V DC can be achieved from 220 V DC battery bank using adapter, if so desired by TSP, without compromising backup time.

c) Suitable AC and DC distribution boards and associated LT Switchgear shall be provided at new substation.

For new substation, following switch boards shall be considered with duplicate supply with bus coupler/ sectionalizer and duplicate outgoing feeders except for Emergency lighting distribution board which shall have only one incoming feeder:

a) 415V Main Switch board – 1 No.
b) AC distribution board – 1 No.
c) Main lighting distribution board – 1 No.
d) Emergency lighting distribution board – 1 No.
e) 220 Volt DC distribution board – 2 No.
f) 48 Volt DC distribution board – 2 No.

Sizing of LT Switchgear shall be suitable to cater the requirement for all present and future bays. AC and DC distribution boards shall have equipped modules for all the feeders (including future as specified).

d) At new Substation, one No. of DG set (minimum 250 kVA for substations with highest voltage rating as 400 kV and minimum 500 kVA for substations with highest voltage rating as 765 kV) shall be provided for emergency applications.

e) At new substation, sizing of battery and battery charger shall be done based on the number of bays specified (including future bays).

f) For substation extensions, existing facilities shall be augmented as required.

B.3.2 Fire Fighting System

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Fire-fighting system for substation including Transformer and Reactor shall conform to CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 as amended from time to time.

Further, adequate water hydrants and portable fire extinguishers shall be provided in the substations. The main header of the firefighting system shall be suitable for extension to bays covered under the future scope; necessary piping interface in this regard shall be provided. Optical Beam type heat detection for GIS hall fire protection system shall be provided for all the GIS halls.
At existing substations, the fire-fighting systems as available shall be extended to meet the additional requirements.

B.3.3 Oil evacuating, filtering, testing and filling apparatus

To monitor the quality of oil for satisfactory performance of transformers, shunt reactors and for periodical maintenance necessary oil evacuating, filtering, testing and filling apparatus would be provided at new substations. Oil storage tanks of adequate capacities for storage of transformer oil would be provided.

Online Transformer Oil Drying Out System shall be provided in line with the provisions of Standard Specification and Technical Parameters for Transformers and Reactors (66 kV and above Voltage Class) as amended up to date available on CEA website.

B.3.4 Illumination

Normal and emergency AC and DC illumination shall be provided adequately in the control room and other buildings of the substation. The switchyard shall also be provided with adequate illumination.

The Lighting of the entire control room building, fire-fighting pump house, other building (if any) and switchyard shall be done by LED based low power consumption luminaries.

B.3.5 Control Room

For the new substation, substation control room shall be provided to house substation work stations for station level control (SAS) along with its peripheral and recording equipment, AC and DC distribution boards, DC batteries and associated battery chargers, Fire Protection panels, Telecommunication panels and other panels as per requirements. Air conditioning shall be provided in the building as functional requirements. Main cable trenches from the control room shall have adequate space provision for laying of cables from the control room for all the future bays also.
At existing substations, the adequacy of size of control room shall be ascertained and the same shall be augmented as per requirement.

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B.3.6 GIS hall

The Gas Insulated Switchgear (GIS) of each voltage level along with other associated equipment shall be housed inside separate GIS building. The panels i.e. Bay level units, bay mimic, relay and protection panels, RTCC panels, PLCC panels, panels for telecommunication system etc. are to be placed in a separate room in the GIS building. The size of the room shall be such that all the panels for the bays under present scope shall be accommodated. The panel room shall be air-conditioned. Further, the temperature of the room shall be monitored through substation automation system by providing necessary temperature transducers. Ventilation system of suitable capacity shall be provided for each GIS hall. GIS hall shall be constructed/extended as per requirement in such a way that its extension does not cause any hindrance to accommodate the bays of future expansion of substation. One EOT Crane of suitable capacity for erection and maintenance of largest GIS component/assembly and all plant installed in the GIS switchgear room shall be provided in each GIS hall or suitably expand the existing crane arrangement. The crane shall be capable of fulfilling all special requirements for erection and maintenance of GIS equipment. The capacity of the crane shall be sized to lift the heaviest GIS switchgear component.

B.3.7 Control Concept

All the EHV circuit breakers in substation/switching stations shall be controlled and synchronized from the switchyard control room/remote control center. All the isolators shall have control from remote/local whereas the earth switches shall have local control only.

B.3.8 Visual monitoring system (VMS) for watch and ward of substation premises:

Visual monitoring system for effective watch and ward of substation premises shall cover all the transformers and reactors, all other major AIS Equipment (such as CB, isolators, CT, CVT, SA etc. as applicable), GIS bays, panel room, all the gates of switchyard and all entry and exit points of control room building and accordingly the location of cameras shall be decided. In addition to the gates of the switchyard, the cameras shall also be located around the boundaries at suitable locations. The camera shall be high-definition color CCD camera with night vision feature. The VMS data partly/completely shall be recorded (minimum for 15 days) at least @25fps (or better) and stored on network video recorder. The system shall use video signals from various cameras installed at different locations, process them for viewing on workstations/monitors in the control room and simultaneously record all the cameras. The VMS data should go only to the intended personnel/facility and not to the remote server of the Camera (VMS supplier).

Mouse/keyboard controllers shall be used for pan, tilt, zoom and other functions of the desired camera. The Visual Monitoring System shall have provision of WAN connectivity for remote monitoring.

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All camera recordings shall have Camera ID and location/area of recording as well as date/time stamp. The equipment should generally conform to Electromagnetic compatibility requirement for outdoor equipment in EHV substation.

At existing substations, the visual monitoring system if available shall be augmented as per existing or better specification as required.

B.4 General Facilities

a) Line Gantry/Towers are envisaged for bays under present scope only. However, for adjacent future line bay, tower shall be designed for extension (considering Hexa conductors for 765 kV and Quad for 400 kV) and Twin conductor for 220 kV lines) wherever applicable.

b) Bay extension works at existing substation shall be executed by TSP in accordance with the requirement/provisions mentioned above. However, interface points shall be considered keeping in view the existing design/arrangement at the substation.

c) TSP has to arrange for construction power and water on its own.

d) All outdoor steel structures including anchor/foundation bolts shall be fully galvanized. The weight of the zinc coating shall be at least 610 g/m^2, however, for coastal/creek regions it shall be at least 900 g/m^2. (if applicable)

e) In 765 kV and 400 kV switchyard, if spare bay of half diameter is identified as future, all the equipment for Tie and Future bay shall be designed considering the current rating of line bay i.e. 3150 A.

f) Boundary wall shall be brick masonry wall with RCC frame or Stone masonry wall or Precast RCC wall under present scope along the property line of complete substation area including future switchyard area to prevent encroachment and unauthorized access. Minimum height of the boundary wall shall be of 1.8 m from finished ground level (FGL).

g) All electrical equipment shall be installed above the Highest Flood Level and where such equipment is not possible to be installed above Highest Flood Level, it shall be ensured that there is no seepage or leakage or logging of water.

h) As per CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations 2022/CEA Manual on Transmissions Planning criteria 2023, Line approaching substation shall normally be perpendicular to the substation boundary for a stretch of 2-3 kms. Accordingly, TSP shall ensure that line terminations at substations are arranged in a manner to avoid hindrance to future line terminations at the substations.

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C. SPECIFIC TECHNICAL REQUIREMENT FOR COMMUNICATION

The communication requirement shall be in accordance to CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020, CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, CERC (Communication System for inter-State transmission of electricity) Regulations, 2017, and CEA (Cyber Security in Power Sector) Guidelines, 2021, all above documents as amended from time to time.

The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele- protection in addition to one channel for speech plus data for each direction

The communication services viz. SCADA, AGC (wherever applicable), VoIP, AMR and PMU have been identified as critical services and therefore shall be provisioned with 2+2 redundancy i.e. 2 channels for Main Control Centre and 2 channels for Backup Control Centre. In order to meet this requirement, suitable redundancy at port and card level need to be ensured by the TSP to avoid any single point of failure which may lead to interruption in real-time grid operation.
PMU to PDC communication (wherever required) shall be through 2 channels to the PDC (main) as there is no backup PDC at present.

Accordingly all the hardware for communication services of station as stated above shall support dual redundancy for data transmission of station to respective main and backup SLDCs/RLDCs.

The complete InSTS communication system commissioned by TSP under the RFP shall be the asset of InSTS and shall be available for usage of InSTS requirements as suggested by Maharashtra STU/CTU from time to time.

In order to meet the requirement for grid management and operation of substations, Transmission Service Provider (TSP) shall provide the following:

C.1.0 Establishment of 2x1500 MVA, 765/400/220 kV AIS Kandalgaon with 240 MVAR bus Reactor at 765 kV level

i) TSP shall supply, install and commission one or more No. FODP (120 F or higher) along with panel and approach Cable (48F each), with all associated hardware fittings from gantry tower to Control Room for all the incoming lines / Bays envisaged under the present scope.

ii) TSP shall supply, install and commission One or more STM-16 (FOTE) equipment along with panel/s supporting minimum Eleven (11) directions with MSP (Multiplex Section Protection – 1+1). These directions shall exclude protected (1+1) local patching

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among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and data communication requirement among 765/400/220 kV AIS Kandalgaon 220 kV line bay. The suitable DC Power Supply and backup to be provided for communication equipment.

iii) FODP and FOTE equipment with panels shall be provided in Control Room of 765/400/220 kV AIS Kandalgaon . FOTE and FODP Equipment can be accommodated in same panel to optimize space.

iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

v) TSP shall deploy Cyber Security System in compliance with CEA (Cyber Security in Power Sector) Guidelines, 2021 and CEA (Cyber Security in Power Sector) Regulation, from its date of publication/ notification and their amendments thereof.

vi) The maintenance of all the communication equipment and software thereof including FOTE, FODP, PMU, approach cable, DCPS along with Battery Bank and Cyber Security System shall be the responsibility of TSP.

C.2.0 LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765/440/220 kV AIS Kandalgaon

LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon, TSP shall supply, install and commission OPGW and earth wire as per Tower Configurations:

i) For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earth wire peaks

ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 48 Fibers (48F) on one earth wire peak and conventional earth wire on other E/W peak for both Loop In and Loop out Lines.

The TSP shall install OPGW cables from gantry of 765/400 kV AIS Kandalgaon up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at 765/400 kV AIS Kandalgaon . The transmission line length for LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon line is **55 kms (approx.).** If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.

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TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

C.3.0 LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon

LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon, TSP shall supply, install and commission OPGW and earth wire as per Tower Configurations:

i) For Multi Circuit Tower Configuration: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earth wire peaks

ii) For Double Circuit Tower configuration (for both Loop In and Loop Out portion): One (1) No. OPGW cable containing 48 Fibers (48F) on one earth wire peak and conventional earth wire on other E/W peak for both Loop In and Loop out Lines.

The TSP shall install OPGW cables from gantry of 765/400/220 kV AIS Kandalgaon up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at 765/400/220 kV AIS Kandalgaon . The transmission line length for LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon line is **20 kms (approx.).** If fiber length for links is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.

TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per **Appendix-F.1**

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

C.4.0 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)

On 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing), TSP shall supply, install and commission One (1) No. OPGW cable containing 48 Fibers (48F) on one E/W peak and conventional earth wire on other E/W peak.

The TSP shall install this OPGW from gantry of 220 kV Kandalgaon (Existing) up to the gantry of 765/400 kV AIS Kandalgaon with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called **OPGW Hardware** hereafter) and finally terminate in Joint Boxes at end Substations. The transmission line length is **10 kms (approx.),** where repeater may not be required to meet the link budget requirement of 220 kV D/C line from 765/400/220 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) link.

Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP.

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C.5.0 FOTE requirement for 220 kV GIS Line bays 220 kV Kandalgaon (Existing)

i) TSP shall supply, install and commission 1 No. FODP (72F or higher) along with panel and required Approach Cable (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.

ii) TSP shall supply, install and commission One STM-16 (FOTE) equipment along with panel/s supporting minimum three (3) directions with MSP (Multiplex Section Protection – 1+1) with necessary interfaces to meet the voice and data communication requirement between 765/400/220 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing). The suitable DC Power Supply and backup to be provided for communication equipment.

iii) FOTE/FODP panel shall be installed in the new Bay Kiosk/ Switchyard Panel Room (SPR). The FOTE under present scope shall be integrated by TSP with the existing FOTE at control room of 220 kV Kandalgaon (Existing) which shall be communicating with respective control center. TSP to provide necessary FODP sub rack / Splice trays/ Patch cords etc. and optical interfaces/equipment in the existing FOTE/FODP panels in control room for integration with the existing FOTE for onwards data transmission.

In case spare optical direction is not available in the existing FOTE at the control room, the TSP shall coordinate with station owner to reconfigure the directions in existing FOTE at control room. Alternatively, The TSP may integrate the FOTE under the present scope with existing FOTE in the nearby Kiosk connected to the control room FOTE (if available with spare direction). For this purpose, TSP shall provide necessary FODP sub rack / Splice trays/ Patch cords etc. and suitable optical interfaces/ equipment in the existing FOTE/FODP panels in another Kiosk (SPRFOTE and FODP can be accommodated in same panel to optimize space.

iv) The new communication equipment under the present scope shall be compatible for integration with existing regional level centralized NMS. The local configuration of the new communication equipment shall be the responsibility of TSP. The configuration work in the existing centralized NMS for integration of new Communication equipment shall be done by Regional ULDC Team, however all the necessary support in this regard shall be ensured by TSP.

The maintenance of all the communication equipment and software thereof including FOTE, FODP, approach cable, PMU, DCPS along with Battery Bank & Cyber Security System shall be the responsibility of TSP.

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Annexure F.3

C.6.0 PLCC and PABX:

Power line carrier communication (PLCC) equipment complete for speech, tele-protection commands and data channels shall be provided on each transmission line. The protections for transmission line and the line compensating equipment shall have hundred percent back up communication channels i.e. two channels for tele-protection in addition to one channel for speech plus data for each direction. The PLCC equipment shall in brief include the following: -

i) Coupling device, Coupling Filters, line traps, carrier terminals, protection couplers, HF cables, PABX (if applicable) and maintenance and testing instruments.

ii) At new substation, a telephone exchange (PABX) of 24 lines shall be provided at as means of effective communication among various buildings of the substation, remote end substations and with control centers (RLDC/SLDC) etc.

iii) Coupling devices shall be suitable for phase to phase coupling for 765 kV and 400 kV Transmission lines. The pass band of coupling devices shall have sufficient margin for adding communication channel in future if required. Necessary protection devices for safety of personnel and low voltage part against power frequency voltages and transient over voltage shall also be provided.

iv) The line traps shall be broad band tuned suitable for blocking the complete range of carrier frequencies. Line Trap shall have necessary protective devices such as lightning arresters for the protection of tuning device. Decoupling network consisting of line traps and coupling capacitors may also be required at certain substation in case of extreme frequency congestion.

v) The carrier terminals shall be of single side-band (SSB) amplitude modulation (AM) type and shall have 4 kHz band width. PLCC Carrier terminals and Protection couplers shall be considered for both ends of the line.

vi) PLCC equipment for all the transmission lines covered under the scheme (consisting of one set of analog PLCC channel along with circuit protection coupler and one set of Digital protection coupler for both ends) shall be provided by TSP. CVT and Wave trap for all the line bays under present scope shall be provided by TSP.

vii) TSP shall provide/ undertake necessary addition/ modification/ shifting/ re-commissioning etc. of PLCC equipment due to LILO of transmission lines (wherever applicable).

viii) PLCC equipment for all the transmission lines covered under the scheme shall be provided by TSP. PLCC to be provided for following lines under present scope:

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Sl. No	Line name	PLCC configuration
1	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at each end after LILO.
2	LILO on 400 kV D/C line from Dabhol to Nagothane at 765/400/220 kV AIS Kandalgaon	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at each end after LILO.
3	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)	1 set Analog PLCC + 1 set Digital Protection Coupler for each circuit at both ends.

ix) Further, CVT and Wave trap for all 765 kV and 400 kV line bays under present scope shall be provided by TSP.

x) TSP shall provide all PLCC equipment due to LILO of transmission lines (wherever applicable).

xi) All other associated equipment like cabling, coupling device and HF cable shall also be provided by the TSP.

xii) Two (2) sets of 48 V battery banks for PLCC and communication equipment shall be provided at each new Substation with at least 10-hour battery backup and extended backup, if required.

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Scheduled COD

[Note: As referred to in the definition of "Element", "Scheduled COD", and in Articles 3.1.3 (c), 4.1 (b) and 4.3 (a) of this Agreement]

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor–1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	24 months from Effective Date	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.
2.	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			

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Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
3.	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4.	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos			

Note:

1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation)
   a. 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)
2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters

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Schedule: 3

Safety Rules and Procedures

[Note: As referred to in Articles 5.6 of this Agreement]

1. **Site Regulations and Safety:**

   The TSP shall establish Site regulations within sixty (60) days from fulfilment of conditions subsequent, as per Prudent Utility Practices setting out the rules to be observed till expiry of the Agreement at the Site and shall comply therewith.

   Such Site regulations shall include, but shall not be limited to, rules in respect of security, safety of the Project, gate control, sanitation, medical care, and fire prevention, public health, environment protection, security of public life, etc.

   Copies of such Site regulations shall be provided to the Long Term Transmission System User and the STU for the purpose of monitoring of the Project.

2. **Emergency Work:**

   In cases of any emergency, the TSP shall carry out all necessary remedial work as may be necessary.

   If the work done or caused to be done by any entity, other than the TSP, the TSP shall, reimburse the actual costs incurred, to the other Party carrying out such remedial works.

3. **Site Clearance:**

   In the course of execution of the Agreement, the TSP shall keep the Site reasonably free from all unnecessary obstruction, storage, remove any surplus materials, clear away any wreckage, rubbish and temporary works from the Site, and remove any equipment no longer required for execution of the Agreement. After completion of all Elements of the Project, the TSP shall clear away and remove all wreckage, rubbish and debris of any kind from the Site, and shall leave the Site clean and safe.

4. **Watching and Lighting:**

   The TSP shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary for the proper construction, operation, maintenance / repair of any of the Elements of the Project, or for the safety of the owners and occupiers of adjacent property and for the safety of the public, during such maintenance / repair.

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Schedule: 4

Computation of Transmission Charges

1.1. General

The Monthly Transmission Charges to be paid to the TSP for providing Transmission Service for any Contract Year during the term of the Agreement shall be computed in accordance with this Schedule and paid as per provisions of MERC MYT Regulations.

Illustration regarding payment of Transmission Charges under various scenarios (considering definitions of Contract Year, Expiry Date & Monthly Transmission Charges above) is as below: -

Illustration-1: In case the Project Elements achieve COD as per Schedule

Quoted Transmission Charges: Rs. 140 Million

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	28	1-Feb-2018	1-Feb-2018	25%
Element 2	38	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			Transmission Charges for Element 2		
1-Feb-18 to 31-Mar-18	140 X 25% X ((28+31)/365)	5.65		--	0.00
1-Apr-18 to 30-Nov-18	140 X 25% X (244/365)	23.39		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-2: In case of extension of Scheduled COD as per Article 4.4.1 & 4.4.2 of this Agreement

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

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Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	140 X 25% X (153/365)	14.67		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

Illustration-3: In case of delay in achieving COD of Project & all individual Elements (COD of the Project achieved in Contract Year 1)

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Dec-2018	25%
Element 2	28	1-Oct-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to	--	0.00		--	0.00

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30-Sept-18					
1-Oct-18 to 30-Nov-18	--	0.00	1-Oct-18 to 30-Nov-18	--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

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Illustration-4: In case of delay in achieving COD of Project & all individual Elements (COD of the Project achieved in Contract Year other than Contact Year 1)

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-May-2020	25%
Element 2	38	1-Oct-2019	1-May-2020	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Oct-19 to 31-Mar-20	--	0.00	1-Oct-19 to 31-Mar-20	--	0.00
1-Apr-20 to 30-Apr-20	-	0.00	1-Apr-20 to 30-Apr-20	-	0.00
1-May-20 to 31-Mar-21	140 X 100% X (335/365)				128.49
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Apr)	140 X 100% X (30/ 365)				11.51

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Illustration5: In case of delay in achieving COD of Element but Project COD achieved on time

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	20	1-Feb-2018	1-Jul-2018	25%
Element 2	30	1-Dec-2018	1-Dec-2018	75%

Tariff Payable as follows:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Feb-18 to 31-Mar-18	--	0.00		--	0.00
1-Apr-18 to 30-Jun-18	--	0.00		--	0.00
1-Jul-18 to 30-Nov-18	140 X 25% X (153/365)	14.67		--	0.00
1-Dec-18 to 31-Mar-19	140 X 100% X (121/365)				46.41
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr to 30-Nov)	140 X 100% X (244/365)				93.59

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Illustration-6: In case of early commissioning of Project

Quoted Transmission Charges: **Rs. 140 Million**

Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Jul-2019	25%
Element 2	38	1-Oct-2019	1-Jul-2019	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1	**Transmission Charges for Element 2**	
1-July-19 to 31-Mar-20	140 X 100% X (274/365)	105.09
2	140 X 100% X 1	140
3	140 X 100% X 1	140
4	140 X 100% X 1	140
5	140 X 100% X 1	140
.....		
.....		
36 (1-Apr to 30-Jun)	140 X 100% X (91/365)	34.91

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Illustration-7: In case of early commissioning of an element

Quoted Transmission Charges: **Rs. 140 Million**
Completion Schedule:

Element No.	Completion Schedule in Months	Scheduled CoD of the Element	Actual CoD of the Element	% Charges recoverable on Scheduled CoD of the Element
Element 1	38	1-Oct-2019	1-Apr-2019	25%
Element 2	38	1-Jul-2019	1-Jul-2019	75%

Tariff Payment to be paid as:

Transmission Charges for Element 1			**Transmission Charges for Element 2**		
1-Apr-2019 to 30-Jun-19	140 X 25% X (91/365)	8.72	1-Apr-2019 to 30-Jun-19	--	0.00
1-July-19 to 31-Mar-20	140 X 100% X (274/ 365)				105.09
2	140 X 100% X 1				140
3	140 X 100% X 1				140
4	140 X 100% X 1				140
5	140 X 100% X 1				140
.....					
.....					
36 (1-Apr-30-Jun)	140 X 100% X (91/365)				34.91

The Transmission Charges shall be payable on monthly basis as computed above.

1.2. Computation of Monthly Transmission Charges

The Monthly Transmission Charges for any month m in a Contract Year n shall be calculated as below:

For AC System:

a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 98% and less than or equal to 98.5%;
Monthly Transmission Charges MTC(m) = Tmn *1

b. If Actual Transmission System Availability for the month m of contract year n exceeds 98.5% and less than or equal to 99.75%;
Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98.5%)

c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;
Monthly Transmission Charges MTC(m) = Tmn * (99.75% / 98.5%)

d. If Actual Transmission System Availability for the month m of contract year n is less than 98%and greater than or equal to 95.00%;
Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98%)

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e. If Actual Transmission System Availability for the month m of contract year falls below 95%;

Monthly Transmission Charges MTC(m) = Tmn * (AA/ 98%) - 0.02 * (Tmn * (AA/ 95%)

For DC System:

a. If Actual Transmission System Availability for the month m of contract year n is greater than or equal to 95% and less than or equal to 96%;
Monthly Transmission Charges MTC(m) = Tmn *1

c. If Actual Transmission System Availability for the month m of contract year n exceeds 96% and less than or equal to 99.75%;
Monthly Transmission Charges MTC(m) = Tmn * (AA/ 96%)

c. If Actual Transmission System Availability for the month m of contract year n is greater than 99.75%;
Monthly Transmission Charges MTC(m) = Tmn * (99.75% / 96%)

d. If Actual Transmission System Availability for the month m of contract year n is less than 95% and greater than or equal to 92.00%;
Monthly Transmission Charges MTC(m) = Tmn * (AA/ 95%)

e. If Actual Transmission System Availability for the month m of contract year falls below 92%;
Monthly Transmission Charges MTC(m) = Tmn * (AA/ 95%) - 0.02 * (Tmn * (AA/ 92%)

where:

- AA is the actual Availability, as certified by RPC, as per procedure provided in Schedule 6.
- m is the month in Contract Year 'n'
- Tmn= Transmission Charges for the month 'm' in Contract Year 'n' = (=Transmission Charge/ No. of days in the Year n)* No. of days in month m

Provided, no Transmission Charges shall be paid during the period for which the RLDC has not allowed the operation of the Element/Project due to the failure of the TSP to operate it as per the provisions of the Grid Code.

1.3. SLDC Fee & Charges

The payment of SLDC fee & charges, in accordance with relevant regulations of MERC, shall be the responsibility of the TSP.

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Schedule: 5

Quoted Transmission Charges

[Quoted Transmission Charges from Annexure - 21 of the RFP of the Selected Bidder to be inserted here]

Quoted Transmission Charges: Rs. 3261.89 million/annum,

Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1.	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor–1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	24 months from Effective Date	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.

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Sl. No	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
2.	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3.	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4.	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV GIS line bays at 220 kV Kandalgaon (Existing) - 02 Nos			

Note:

1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station, is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation)
   a. 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)
2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters

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Schedule: 6

महाराष्ट्र शासन राजपत्र असाधारण भाग चार-क, ऑगस्ट १९, २०२४/श्रावण २८, शके १९४६

Annexure-VI: Procedure for calculation of Transmission System Availability for a Month

1. Transmission system availability for a calendar month shall be computed by the respective Transmission Licensee, and certified by the MSLDC, separately for each AC and HVDC transmission system. For the purpose of calculation of Transmission System Availability:

   i) AC transmission lines: Each circuit of AC transmission line shall be considered as one element.

   ii) Inter-Connecting Transformers (ICTs): Each ICT bank (three single phase transformer together) shall form one element.

   iii) Static VAR Compensator (SVC): SVC along with SVC transformer shall form one element. However, 50% credit to inductive and 50% to capacitive rating shall be given.

   iv) Bus Reactors/Switchable line reactors: Each Bus Reactors/Switchable line reactors shall be considered as one element.

   v) HVDC Bi-pole links: Each pole of HVDC link along with associated equipment at both ends shall be considered as one element.

   vi) HVDC back-to-back Station: Each block of HVDC back-to-back Station shall be considered as one element. If associated AC line (necessary for transfer of inter-regional power through HVDC back-to-back Station) is not available, the HVDC back-to-back Station block shall also be considered as unavailable.

2. The Availability of AC and HVDC portion of Transmission system shall be computed as under:

% Availability for AC system

$$= \frac{o \times AVo + p \times AVp + q \times AVq + r \times AVr}{o + p + q + r} \times 100$$

% Availability for HVDC system

$$= \frac{s \times AVs + t \times AVt}{s + t} \times 100$$

Where

o = Total number of AC lines;

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AVo = Availability of o number of AC lines;

p = Total number of bus reactors/switchable line reactors;

AVp = Availability of p number of bus reactors/switchable line reactors;

q = Total number of ICTs;

AVq = Availability of q number of ICTs;

r = Total number of SVCs;

AVr = Availability of r number of SVCs;

s = Total number of HVDC poles;

AVs = Availability of s number of HVDC poles;

t = Total number of HVDC back-to-back Station blocks;

AVt = Availability of t number of HVDC back-to-back Station blocks.

3. The weightage factor for each category of transmission element shall be as under:

(a) For each circuit of AC line – Surge Impedance Loading (SIL) for Uncompensated line multiplied by ckt-km.

SIL rating for various voltage levels and conductor configurations is given in Appendix-I. However, for the voltage levels and/or conductor configurations not listed in Appendix-I, appropriate SIL based on technical considerations may be used for availability calculation under intimation to long-term transmission customers/DICs.

For compensated AC line, SIL shall be as certified by the Maharashtra State Power Committee (MSPC) Secretariat considering the compensation on the line.

For shunt compensated line, the reduced value of SIL shall be taken in accordance with the location of the reactor. Similarly, in case of the lines with series compensation, the higher SIL shall be taken as per the percentage of compensation.

(b) For each HVDC pole - The rated MW capacity x ckt km

(c) For each ICT bank – The rated MVA capacity

(d) For SVC- The rated MVAR capacity (inductive and capacitive)

(e) For Bus Reactor/switchable line reactors – The rated MVAR capacity.

(f) For HVDC back-to-back Station connecting two Regional grids- Rated MW capacity of each block.

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4. The availability for each category of transmission element shall be computed based on the weightage factor, total hours under consideration and non-available hours for each element of that category. The formulae for calculation of Availability of each category of the transmission elements are as per Appendix-II.

5. The transmission elements under outage due to following reasons shall be deemed to be available:
   i. Shut down availed for maintenance or construction of elements of another transmission scheme. If the other transmission scheme belongs to the Transmission Licensee, the MSLDC may restrict the deemed availability period to that considered reasonable for the work involved.
   ii. Switching off of a transmission line to restrict over voltage and manual tripping of switched reactors as per the directions of MSLDC.

6. Outage time of transmission elements for the following contingencies shall be excluded from the total time of the element under period of consideration:
   i. Outage of elements due to acts of God and force majeure events beyond the control of the Transmission Licensee. However, onus of satisfying the MSLDC that element outage was due to aforesaid events and not due to design failure shall rest with the Transmission Licensee. A reasonable restoration time for the element shall be considered and any additional time taken by the Transmission Licensee for restoration of the element beyond the reasonable time shall be treated as outage time attributable to the Transmission Licensee. Circuits restored through ERS (Emergency Restoration System) shall be considered as available.
   ii. Outage caused by grid incident/disturbance not attributable to the Transmission Licensee, e.g., faults in substation or bays owned by other agency causing outage of the Transmission Licensee's elements, and tripping of lines, ICTs, HVDC, etc. due to grid disturbance. However, if the element is not restored on receipt of direction from RLDC while normalizing the system following grid incident/disturbance within reasonable time, the element will be considered not available for the period of outage after issuance of RLDC's direction for restoration.

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Appendix-II

FORMULAE FOR CALCULATION OF AVAILABILITY OF EACH CATEGORY OF TRANSMISSION ELEMENTS

$$AV_o\text{(Availability of } o \text{ no. of AC lines)} = \sum_{i=1}^{o} \frac{Wi(Ti - T_{NA}i)}{Ti} \Big/ \sum_{i=1}^{o} Wi$$

$$AVs\text{(Availability of s no. of HVDC pole)} = \sum_{j=1}^{s} \frac{Wj(Tj - TNAj)}{Tj} \Big/ \sum_{j=1}^{s} Wj$$

$$AV_q\text{(Availability of } q \text{ no. of ICTs)} = \sum_{K=1}^{q} \frac{Wk(Tk - T_{NA}k)}{Tk} \Big/ \sum_{k=1}^{q} Wk$$

$$AV_r\text{(Availability of r no. of SVCs)} = \left[\sum_{l=1}^{r} 0.5\frac{W_l\,(T_l - T_{NA}l)}{T_l} + \sum_{l=1}^{r} 0.5\,W_{Cl}\frac{(T_{Cl} - AC_l)}{T_{Cl}}\right] \Big/ \left[\sum_{l=1}^{r} 0.5W_l + \sum_{l=1}^{r} 0.5\,W_{Cl}\right]$$

$$AVp\text{(Availability of } p \text{ no. of Switched Bus reactors)} = \sum_{m=1}^{p} \frac{Wm(Tm - T_{NA}m)}{Tm} \Big/ \sum_{m=1}^{p} Wm$$

$$AVt\text{ (Availability of t no. of HVDC Back-to-back Blocks)} = \sum_{n=1}^{t} \frac{Wn(Tn - T_{NA}n)}{Tn} \Big/ \sum_{n=1}^{t} Wn$$

Where Wi = Weightage factor for i^{th} transmission line

Wj = Weightage factor for j^{th} HVDC pole

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W_k	=	Weightage factor for k^{th} ICT
W_l&W_{cl}	=	Weightage factors for inductive & capacitive operation of lth SVC
Wm	=	Weightage factor for m^{th} bus reactor
Wn	=	Weightage factor for n^{th} HVDC back to back block.

T_i, Tj, T_k, T_l, T_{cl}, T_m&T_n =	The total hours of ith AC line,j^{th} HVDC pole, k^{th} ICT, l^{th} SVC (Inductive Operation), l^{th} SVC (Capacitive Operation),m^{th} Switched Bus Reactor &n^{th} HVDC back-to-back block during the period under consideration (excluding time period for outages not attributable to Transmission Licensee for reasons given in Para 6 of the procedure)
T_{NAi} ,T_{NAj} , T_{NAk} = T_{NACl}, T_{NAm},	The non-availability hours (excluding the time period for T_{NAl}, outages not attributable to transmission Licensee taken as T_{NAn}, deemed availability as per Para 5 of the procedure) for i^{th} AC line, , j^{th} HVDC pole, k^{th} ICT, l^{th} SVC (Inductive Operation), l^{th} SVC (Capacitive Operation), m^{th} Switched Bus Reactor and n^{th} HVDC back-to-back block.

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Schedule: 7

Entire Bid (both financial bid and technical bid) of the Selected Bidder to be attached here

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Schedule: 8

Contract Performance Guarantee

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution. Foreign entities submitting Bids are required to follow the applicable law in their country.)

In consideration of the ..... **RAIGAD POWER TRANSMISSION LIMITED** or Selected Bidder on behalf of the TSP, or Lead Member in case of the Consortium, with address] agreeing to undertake the obligations under the Transmission Service Agreement dated and the other RFP Project Documents and the Nodal Agency and the PFC Consulting Limited, agreeing to execute the *RFP Project Documents* with the Selected Bidder, regarding setting up the Project, the ..... [Insert name and address of the bank issuing the guarantee and address of the head office] (hereinafter referred to as "Guarantor Bank") hereby agrees unequivocally, irrevocably and unconditionally to pay to ..... (being the Nodal Agency) at .....[Insert the Place from the address of the Nodal Agency indicated in the TSA] forthwith on demand in writing from the Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees ..... Crores (Rs.) only [Insert the amount of the bank guarantee] on behalf of M/s. ..... [Insert name of the Selected Bidder or SPV].

This guarantee shall be valid and binding on the Guarantor Bank up to and including .....and shall not be terminable by notice or any change in the constitution of the Bank or the term of the Transmission Service Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rs. ..... Crores (Rs. .....) only. Our Guarantee shall remain in force until ..... [Insert the date of validity of the Guarantee as per Article 3.1.2 of this Agreement]. The Nodal Agency, shall be entitled to invoke this Guarantee up to three hundred sixty five (365) days of the last date of the validity of this Guarantee.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand from ..... (in its roles as the Nodal Agency), made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by ..... [Insert name of the Selected Bidder], ... [Insert name of the TSP] and / or any other person. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency in respect of any payment made hereunder.

THIS BANK GUARANTEE shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

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THIS BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor Bank.

THIS BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against **RAIGAD POWER TRANSMISSION LIMITED** or the Selected Bidder, as the case may be, to make any claim against or any demand on **RAIGAD POWER TRANSMISSION LIMITED** or the Selected Bidder, as the case may be, or to give any notice to **[RAIGAD POWER TRANSMISSION LIMITED** or the Selected Bidder, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against **RAIGAD POWER TRANSMISSION LIMITED** or the Selected Bidder, as the case may be.

The Guarantor Bank acknowledges that this BANK GUARANTEE is not personal to Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.

The Guarantor Bank hereby agrees and acknowledges that Nodal Agency shall have a right to invoke this Bank Guarantee either in part or in full, as it may deem fit.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rs. ..... Crores (Rs.....) only and it shall remain in force until .....[Date to be inserted on the basis of Article 3.1.2 of the Transmission Service Agreement], with an additional claim period of three hundred sixty five (365) days thereafter. This BANK GUARANTEE shall be extended from time to time for such period, as may be desired by ..... [Insert name of the Selected Bidder or Lead Member in case of the Consortium or SPV]. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Nodal Agency serves upon us a written claim or demand.

In witness where of:

Signature .....
Name: .....
Power of attorney No.: .....

For:

... . [Insert Name of the Bank]

Banker's Seal and Full Address, including mailing address of the Head Office

RAIGAD POWER TRANSMISSION LTD. NEW DELHI

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SCHEDULE 8A

FORMAT FOR SURETY INSURANCE CONTRACT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.

Foreign entities submitting Bids are required to follow the applicable law of India)

In consideration of the .....[Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] (hereinafter referred to as the 'Principal Debtor' for the purposes of this Surety Insurance Contract as provided in Section 126 of the Indian Contract Act, 1872) having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ..... / to be executed as per the Model Transmission Service Agreement provided along with the Request for Proposal ('RFP') and other RFP Project Documents, subject to the condition of providing a Performance Bank Guarantee or a Surety Insurance Contract guaranteeing/insuring the due performance of the obligations under the Transmission Service Agreement, to the Nodal Agency , the [Insert name and address of the Insurance Company issuing the Surety Insurance Contract and address of the head office] (hereinafter referred to as "Surety") hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency , namely.....] forthwith on demand in writing from the Nodal Agency , or any Officer authorized by it in this behalf, intimated to the Surety at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees .....Crores (Rs.....) only [Insert the amount of the Surety Insurance Contract]

The Surety hereby acknowledges, accepts and confirms that the Surety has received from the Principal Debtor, by way of premium the entire consideration for the Surety to execute, in favour of the Nodal Agency , this Surety Insurance Contract, as extended by the Surety from time to time and assuming the obligation to pay to the Nodal Agency the amount in terms hereof, without any requirement for payment of any other consideration to the Surety by the Principal Debtor, or otherwise.

This Surety Insurance Contract shall be valid and binding on the Surety, as the principal obligation of the Surety to pay on demand by the Nodal Agency , and shall not be terminable by notice or any change in the constitution of the Surety or the term of the Transmission Service Agreement or by any other reasons whatsoever and the liability hereunder of the Surety shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed (with or without the knowledge or consent of the Surety) by or between the Principal Debtor and the Nodal Agency .

The liability of the Surety under this Surety Insurance Contract is restricted to Rupees ..... Crores (Rs) only. The Surety Insurance Contract shall remain in force until [Insert the date of validity of the Surety Insurance Contract]. The Nodal Agency shall

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be entitled to invoke this Surety Insurance Contract up to three hundred sixty five (365) days after the last date of the validity of this Surety Insurance Contract.

The Surety hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency , containing the statement that the contractor has failed to meet its contractual obligations raised at the above mentioned address of the Surety (address of Surety office should be a place in NCR only) and the Surety shall pay the amount without reference to the Principal Debtor.

Any such demand made by the Nodal Agency on the Surety shall be conclusive and binding not withstanding any difference between the Nodal Agency and the Principal Debtor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Surety undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the Surety Insurance Contract herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenor(including Claim period) whichever is earlier.

The Surety shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection by the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person. The Surety shall not require the Nodal Agency to justify the invocation of this Surety Insurance Contract, nor shall the Surety have any recourse against the Nodal Agency in respect of any payment made hereunder.

This SURETY INSURANCE CONTRACT shall be interpreted in accordance with the laws of India.

This SURETY INSURANCE CONTRACT is being executed by the Surety in terms of the IRDAI (Surety Insurance Contract) Guidelines, 2022 and the Surety hereby acknowledges, accepts and confirms that this Surety Insurance Contract shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3) (b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.

The Surety represents that this Surety Insurance Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Surety in the manner provided herein.

This SURETY INSURANCE CONTRACT shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Surety.

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In order to give effect to this surety Bond, the Nodal Agency shall be entitled to act as if the surety insurer were the principal debtor and any change in the constitution of the contractor and/or the surety insurer, whether by their absorption with any other body or corporation or otherwise, shall not in any way or manner affect the liability or obligation of the surety insurer under this surety Bond.

This SURETY INSURANCE CONTRACT shall be a primary obligation of the Surety as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this Surety Insurance Contract to take any action in any court or arbitral proceedings against the Principal Debtor, namely, ... [Insert name of SPV], or..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, to make any claim against or any demand on the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or..... [Insert name of the TSP] and/or any other person, as the case may be, or to give any notice to Principal Debtor, namely..... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the Principal Debtor, namely, ... [Insert name of SPV], or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be.

The Surety acknowledges that this Surety Insurance Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Long Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement Provided that any such assignment shall be in compliance with the relevant provisions of the Insurance Act 1938

The Surety hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this Surety Insurance Contract either in part or in full, as it may deem fit. In case of invocation of this Surety Insurance Contract in part, besides making payment for the part of Surety Insurance Contract invoked, surety at the request of Nodal Agency shall amend the value of Surety Insurance Contract to the extent of balance amount.

The Surety undertakes not to revoke this Surety Contract during its currency, except with the previous express consent of the Nodal Agency in writing and declares and warrants that it has the power to issue this Surety Contract and the undersigned has full powers to do so on behalf of the Surety

In witness where of:

RAIGAD POWER TRANSMISSION LTD. NEW DELHI

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Signature.....

Name: .....

Power of attorney No/ Employee No. as applicable.: .....

For:

... . [Insert Name of the Surety-Insurance Company]

Banker's Seal and Full Address, including mailing address of the Head Office

Notes:

1. The Stamp Paper should be in the name of the Executing Insurance Company.

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SCHEDULE 8B

Format for Issuance of Payment on Order Instrument

Dear Sir,

1. Indian Renewable Energy Development Agency Limited ('IREDA")/PFC/REC has sanctioned a non-fund based limit loan of Rs. (Rupees..... Only) to M/s. ..... **RAIGAD POWER TRANSMISSION LIMITED** or selected Bidder] under the Loan Agreement executed on..... to execute Transmission System Projects.
2. In consideration of the ..... [Insert name of the SPV or Selected Bidder on behalf of SPV or Lead Member in case of the Consortium, with address] for the purposes of this Payment on Order Instrument ("POI") having been selected to undertake the Transmission Project on the terms and conditions contained in the Transmission Service Agreement dated ..... / to be executed as per the draft of the Model Transmission Service Agreement provided along with the Request for Proposal („RFP") and other RFP Project Documents, subject to the condition of providing a POI guaranteeing the due performance of the obligations under the Transmission Service Agreement to the Nodal Agency /Maharashtra State Transmission Utility (MSTU), the..... [Insert name and address of the non-banking financial institutions(IREDA/PFC/REC) issuing the POI and address of the head office] (hereinafter referred to as "Guarantor") hereby agrees unequivocally, irrevocably, absolutely and unconditionally, without demur, to pay to the Nodal Agency at [Insert Place and Address of the Nodal Agency indicated in Transmission Service Agreement, or to the designated Bank Account of the Nodal Agency , namely] forthwith on demand in writing from the Nodal Agency , or any Officer authorized by it in this behalf, intimated to the Guarantor at the address mentioned above, any amount as may be decided by the Nodal Agency not exceeding Rupees .....Crores (Rs) only [Insert the amount of Payment on Order Instrument]
3. At the request of .....and on behalf of M/s. ....., **RAIGAD POWER TRANSMISSION LIMITED** or selected

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Bidder] this Payment on Order Instrument (POI) for an amount of Rs. ..... (Rupees.....) is being issued with IREDA/PFC/REC assuming the obligations to remit such amount to MSTU from the sanctioned loan.

4. This Payment on Order Instrument comes into force immediately and IREDA/PFC/REC confirms that it has sufficient amount out of the sanctioned loan and shall maintain the required amount to pay under this Payment on Order Instrument, during the validity and claim period of this Payment on Order Instrument.
5. This POI has been issued by IREDA/PFC/REC utilizing the credit limit of M/s.....**RAIGAD POWER TRANSMISSION LIMITED** or selected Bidder] IREDA/PFC/REC confirms that its liability to pay under this Payment on Order Instrument shall be primary and independent of whether at the time of invocation of Payment on Order Instrument, the sanctioned funds are available or not and notwithstanding, the status of M/s. ..... **RAIGAD POWER TRANSMISSION LIMITED** or selected Bidder] at the relevant time and to whether IREDA/PFC/REC is able to recover the amount advanced by it to the said developer.
6. IREDA/PFC/REC and M/s. **RAIGAD POWER TRANSMISSION LIMITED** or selected Bidder] hereby acknowledges, accepts and confirms that this Payment on Order Instrument shall be a Contract of Guarantee as provided under Section 126 of the Indian Contract Act, 1872 and further shall be covered by Section 14(3) (b) of the Insolvency and Bankruptcy Code, 2016 (as amended) shall be enforceable as such.
7. IREDA/PFC/REC liability under this POI is restricted to Rupees Crores (Rs.....) only. This POI shall remain in force until.....[Insert the date of validity of the POI]. The Nodal Agency shall be entitled to invoke this POI up to three hundred sixty-five (365) days after the last date of the validity of this POI. This POI shall be extended from time to time for such period, as may be desired by the TSP.
8. The Guarantor hereby expressly agrees that it shall not require any proof except for the written demand from the Nodal Agency , raised at the above-mentioned address of the Guarantor (address of Guarantor office should be in NCR only) and

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the Guarantor shall pay the amount to the Nodal Agency without reference to the TSP.

9. Any such demand made by the Nodal Agency on the Guarantor shall be conclusive and binding not withstanding any difference between the Nodal Agency and the TSP or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Guarantor undertakes not to revoke this guarantee during its currency without previous consent of the Nodal Agency and further agrees that the POI herein contained shall continue to be enforceable till the Nodal Agency discharges this contract or till the expiry of tenure or (including Claim period) whichever is earlier.
10. The Guarantor shall make payment hereunder within two (02) working days on first demand without restriction or conditions and notwithstanding any objection or disputes raised by the TSP, namely, ... [Insert name of SPV], or [Insert name of the Selected Bidder], or.....[Insert name of the TSP] and/or any other person. The Guarantor shall not require the Nodal Agency to justify the invocation of this POI, nor shall the Guarantor have any recourse against the Nodal Agency in respect of any payment made hereunder.
11. This POI shall be interpreted in accordance with the laws of India.
12. The Guarantor represents that this POI Contract has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor in the manner provided herein.
13. This POI shall not be affected in any manner by reason of merger, amalgamation, restructuring, liquidation, winding up, dissolution or any other change in the constitution of the Guarantor.
14. This POI Contract shall be a primary obligation of the Guarantor as a Principal to pay on demand by the Nodal Agency and the Nodal Agency shall not be obliged before enforcing this POI Contract to take any action in any court or arbitral proceedings against the TSP, namely, **RAIGAD POWER TRANSMISSION LIMITED**, or..... [Insert name of the Selected Bidder], or **RAIGAD POWER TRANSMISSION LIMITED** and/or any other person, as the case may be to make any claim against or any demand on the TSP, namely, **RAIGAD POWER TRANSMISSION LIMITED**, or ..... [Insert name of the Selected Bidder], or ... .[Insert name of the TSP] and/or any other person, as the case may

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be, or to give any notice to TSP, namely **RAIGAD POWER TRANSMISSION LIMITED,** or ..... [Insert name of the Selected Bidder], or ..... [Insert name of the TSP] and/or any other person, as the case may be, or to enforce any security held by the Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the TSP, namely, ...**RAIGAD POWER TRANSMISSION LIMITED,** or .....[Insert name of the Selected Bidder], or..... [Insert name of the TSP] and/or any other person, as the case may be.

15. The Guarantor acknowledges that this POI Contract is not personal to the Nodal Agency and may be assigned, in whole or in part, (whether absolutely or by way of security) by Nodal Agency to any entity to whom the Nodal Agency is entitled to assign its rights and obligations under the Transmission Service Agreement.
16. The Guarantor hereby agrees and acknowledges that the Nodal Agency shall have a right to invoke this POI Contract either in part or in full, as it may deem fit. In case of invocation of this POI Contract in part, besides making payment for the part of POI Contract invoked, Guarantor at the request of Nodal Agency shall amend the value of POI Contract to the extent of balance amount.

IN WITNESS WHERE OF the non- banking financial institutions through its authorized officer, has set its hand and stamp on this..... day of.....at.....

Signature.....

Name: .....

Power of attorney No.: .....

For:

... .[Insert Name of the non- banking financial institutions Company]

Seal and Full Address, including mailing address of the Head Office

RAIGAD POWER TRANSMISSION LTD. NEW DELHI

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Schedule: 9

Methodology for determining the Relief Under Force Majeure Event & Change in Law during Construction Period

The relief in the form of revision in tariff due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days and/ or Change in Law during the construction period shall be as under:

$\Delta T = [(P \times d)] \div [1-(1+ d)^{(-n)}]$

Where,

ΔT = Change in Transmission Charges for each year

P = Sum of cumulative increase or decrease in the cost of the Project due to Change in Law and interest cost during construction corresponding to the period exceeding one hundred eighty (180) due to Force Majeure Event leading to extension of Scheduled COD for a period beyond one hundred eighty (180) days

n = number of years over which the Transmission Charges has to be paid

d = Discount rate as notified by the CERC, applicable on the Bid Deadline

The increase in Transmission Charges as stated above shall be applicable only if the value of increase in Transmission Charges as calculated above exceeds 0.30% (zero point three percent) of the quoted Transmission Charges of the TSP.

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Annexure P/12

SCHEDULE 1

FORM OF APPLICATION FOR LICENCE

To,

The Secretary.

Maharashtra Electricity Regulatory Commission

I/We hereby apply for a Transmission Licence under the "Maharashtra Electricity Regulatory Commission (Transmission Licence Conditions) Regulations, 2004". We set out hereunder the relevant particulars in connection with our application and shall provide any other information as required by the Commission.

GENERAL INFORMATION

1. Name to appear on licence: Raigad Power Transmission Limited
2. Primary Contact:
   a) Name: Nabeel Saleem
   b) Contact Address: Fulcrum, 7th Floor, Sahar Road, Andheri (East), Mumbai – 400 099
   c) Phone Number: +91 7777048567
   d) Fax Number: NA
   e) E-mail address: nabeel.saleem@apraava.com

INFORMATION ABOUT THE APPLICANT

3.	Full legal name of organization:	Raigad Power Transmission Limited
4.	Registration number under applicable statute:	U42201DL2025GOI458171
5.	Date of incorporation and registration:	17.11.2025
6.	Registered office address:	Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi, Central Delhi-110001, Delhi
7.	Names of promoters, along with their respective ownership percentages:	100% owned by Apraava Energy Private Limited

ENCLOSURES

The following information/documents are duly attached:

Incorporation

8. The following incorporation documents, as applicable:

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a. Where the applicant is a company, the Memorandum and Articles of Association;

The Applicant / Petitioner is a company incorporated under the provisions of the Companies Act, 2013. The Certificate of Incorporation along with the Articles of Association and Memorandum of Association have been annexed herewith and marked as **EXHIBIT I (COLLY.)**.

b. Where the applicant is a partnership, the deed of partnership; NA

c. In any other case, applicable deed or charter of incorporation, if any. NA

Technical Information

9. Management information (provided in respect of operations, projects, commercial, finance, regulatory, HR and IT functions):

a. Name of person: S. Ramesh Kumar

b. Position in the applicant organization: Director, Projects, Apraava Energy Private Limited

c. Qualification:

d. Area of expertise:

e. Experience:

10. Sufficient description adequately specifying the actual or proposed location of the system of electric lines and electrical plant by means of which the applicant intends to enable transmission of electricity, indicating which plant and lines are to be constructed and which are existing plant and lines, and the area to which the application relates.

Please refer Page No. 12 to 76 of the Survey Report issued by BPC for the proposed transmission line route. Copy of the Survey Report is annexed herewith and marked as **EXHIBIT II**.

11. Detailed map or maps of the proposed area of transmission, on a scale of not less than 10 centimetres to a kilometer, or if no such maps are available, of not less than that of the largest scale of ordnance maps available, depicting the proposed intra-State transmission system of the applicant.

Please refer Page No. 12 to 76 of the Survey Report issued by BPC for the proposed transmission line route, the same is annexed hereinabove as **EXHIBIT II**.

12. List of the whole or any part of any cantonment, aerodrome, fortress, arsenal, dockyard or camp or any building or place in the occupation of the Government for defence purposes located within the proposed area of transmission.

Not applicable on basis of the Survey Report issued by BPC. the same is annexed hereinabove as **EXHIBIT II**.

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13. List of streets or parts of streets which are repairable by a person other than the Central Government, State Government or local authority and of railways, tramways, canals and waterways for which the applicant has obtained authorization to undertake works.

    Not applicable for this Project

Financial Information

14. Most recent three years of Accounting Statements together with Auditors' Reports, if any.

    Copy of the Report on the Audit of the Standalone Financial Statements issued by the Independent Auditor's by way of its Report dated 07.05.2026 is annexed herewith and marked as **EXHIBIT III**.

15. Indicative investment plan and Network rollout plan for the next five years, detailing year-wise and area-wise rollout of the transmission system.

    Not applicable for this Project as the same has been awarded to RPTL under TBCB guidelines.

Other Enclosures Required

16. Copy of Receipt for the licence application processing fee.

I/We certify that the particulars submitted herewith are true, complete and correct, to the best of my/our knowledge and belief at the time of submission and does not contain any untrue statement of a material fact or omits to state a material fact necessary to make the statement/particulars contained herein not misleading.

Place: Mumbai

Date: 03.10.2026

On behalf of RPTL

[Authorized Signatory]

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Exhibit-I(Colly)

सत्यमेव जयते

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Central Registration Centre

Certificate of Incorporation

[Pursuant to sub-section (2) of section 7 and sub-section (1) of section 8 of the Companies Act, 2013 (18 of 2013) and rule 18 of the Companies (Incorporation) Rules, 2014]

I hereby certify that RAIGAD POWER TRANSMISSION LIMITED is incorporated on this SEVENTEENTH day of NOVEMBER TWO THOUSAND TWENTY FIVE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

The Corporate Identity Number of the company is **U42201DL2025GOI458171**

The Permanent Account Number (PAN) of the company is **AAPCR2216P***

The Tax Deduction and Collection Account Number (TAN) of the company is **DELR53782B***

Given under my hand at Manesar this SEVENTEENTH day of NOVEMBER TWO THOUSAND TWENTY FIVE

Document certified by DS MINISTRY OF CORPORATE AFFAIRS , CRC MANESAR 2 <ROC.CRC@MCA.GOV.IN>.

Digitally signed by
DS MINISTRY OF CORPORATE
AFFAIRS , CRC MANESAR 2
Date: 2025.11.17 11:06:16 IST

Basanagiri Ambedkar

Assistant Registrar of Companies/ Deputy Registrar of Companies/ Registrar of Companies

For and on behalf of the Jurisdictional Registrar of Companies

Registrar of Companies

Central Registration Centre

Disclaimer: This certificate only evidences incorporation of the company on the basis of documents and declarations of the applicant(s). This certificate is neither a license nor permission to conduct business or solicit deposits or funds from public. Permission of sector regulator is necessary wherever required. Registration status and other details of the company can be verified on mca.gov.in

Mailing Address as per record available in Registrar of Companies office:

RAIGAD POWER TRANSMISSION LIMITED

Urjanidhi, First Floor, 1, Barakhamba Lane, Connaught Place, New Delhi, Central Delhi- 110001, Delhi

*as issued by Income tax Department

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AOA: RAIGAD POWER TRANSMISSION LIMITED

- 1. Interpretation clause In the interpretation of these Articles unless repugnant to the subject or context-Act The Act means The Companies Act 2013 as amended from time to time and includes any statutory modification or re-enactment thereof for the time being in force. Articles of the Company Articles means the articles of association of a company as originally framed or as altered from time to time or applied in pursuance of any previous company law or of this Act. Auditor(s) Auditor(s) mean and include persons appointed as such for the time being by the Comptroller Auditor General of India. Board or Board of Directors Board or Board of Directors in relation to a company means the collective body of the directors of the company. Books of Account Books of account includes records maintained in respect of (i)all sums of money received and expended by a company and matters in relation to which the receipts and expenditure take place (ii) all sales and purchases of goods and services by the company (iii) the assets and liabilities of the company and (iv) the items of cost as may be prescribed under section 148 in the case of a company which belongs to any class of companies specified under that section. Capital Capital means the share capital for the time being raised or authorized to be raised for the purpose of the Company. Company Shall means **RAIGAD POWER TRANSMISSION LIMITED** Debenture Debenture includes debenture stock bonds or any other instrument of a company evidencing a debt whether constituting a charge on the assets of the company or not. Director(s) Director means a director appointed to the Board of a company under Section 2(34) of the Act. Dividend Dividend includes any interim dividend. Financial Institution Financial Institution includes a scheduled bank and any other financial institution defined or notified under the Reserve Bank of India Act 1934. Gender Words importing the masculine gender also include the feminine gender. Generation Company Generation Company shall mean any entity engaged in the business of generation of electricity. In Writing and Written In writing and Written include printing lithography and other modes of representing or reproducing words in a visible form. key managerial personnel key managerial personnel in relation to a company means (i) the Chief Executive Officer or the managing director or the manager (ii) the company secretary (iii) the whole-time director (iv) the Chief Financial Officer and (v) such other

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officer as may be prescribed. Meeting or General Meeting Meeting means Annual General Meeting or Extraordinary General Meeting of Members duly called and constituted including an adjourned meeting. In the context of Board of Directors it shall mean the meeting of the Directors including an adjourned meeting. Member Member in relation to a company means (i) the subscriber to the memorandum of the company who shall be deemed to have agreed to become member of the company and on its registration shall be entered as member in its register of members (ii) every other person who agrees in writing to become a member of the company and whose name is entered in the register of members of the company (iii) every person holding shares of the company and whose name is entered as a beneficial owner in the records of a depository. Month Month means a calendar month. Office Office means the Registered Office of the company for the time being. paid-up share capital or share capital paid-up means such aggregate amount of money credited as paid-up as is equivalent to the amount received as paid up in respect of shares issued and also includes any amount credited as paid-up in respect of shares of the company but does not include any other amount received in respect of such shares by whatever name called. Persons Persons include Corporations and firms as well as individuals. Power Transmission Utility Power Transmission Utility shall mean any entity engaged in the business of power transmission. Proxy Proxy includes Attorney duly constituted under a valid Power of Attorney. Project-In-Charge A Director of the Company designated as Project In-charge for administrating day to day activities of the Company. Public Company Public Company means a company which a. is not a private company and b. has a minimum paid-up share capital as may be prescribed Provided that a company which is a subsidiary of a company not being a private company shall be deemed to be public company for the purposes of this Act even where such subsidiary company continues to be a private company in its articles. Registrar Registrar means a Registrar an Additional Registrar a Joint Registrar a Deputy Registrar or an Assistant Registrar having the duty of registering companies and discharging various functions under this Act. Register of Members Register of Members means the Register of Members to be kept pursuant to the Act. Related Party Section 2(76)of the Act describes related party with reference to a company which means (i) a director or his relative (ii) a key managerial personnel or his relative (iii) a firm in which a director manager or his relative is a partner (iv) a private company in which

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a director or manager is a member or director (v) a public company in which a director or manager is a director or holds along with his relatives more than two per cent. of its paid-up share capital (vi) any body corporate whose Board of Directors managing director or manager is accustomed to act in accordance with the advice directions or instructions of a director or manager (vii) any person on whose advice directions or instructions a director or manager is accustomed to act Provided that nothing in sub-clauses (vi) and (vii) shall apply to the advice directions or instructions given in a professional capacity (viii) any company which is (A) a holding subsidiary or an associate company of such company or (B) a subsidiary of a holding company to which it is also a subsidiary (ix) such other person as may be prescribed. Seal Means the common seal of the company for the time being. Securities Exchange Board Securities and Exchange Board means the Securities and Exchange Board of India established under section 3 of the Securities Exchange Board of India Act 1992. Securities Securities means the securities as defined in clause (h) of section 2 of the Securities Contracts (Regulation) Act 1956.Share Means a share in the share capital of a company and includes stock. Share Capital Share Capital means the total equity share capital of the Company agreed to be issued and called the Authorized Capital of the Company as mentioned in the Memorandum of Association of the Company. Singular Number Words importing the singular number include where the context admits the plural number and vice-versa. State Electricity Board State Electricity Board means the Electricity Board or Vidyut Board or any other body by whatever name called set up by the State Governments under Electricity (Supply) Act 1948 as amended which expression shall include its successors administrators authorized representatives and permitted assigns. Transmission Company Transmission Company shall mean any entity engaged in the business of transmission of electricity. Year or Financial Year Meaning of Words Year means English calendar year and Financial Year shall have the meaning assigned thereto by Section 2(41) of the Act. Unless the context otherwise requires words or expressions contained in these regulations shall bear the same meaning as in the Act or any statutory modification there of in force at the date at which these regulations become binding on the company. Marginal Notes Marginal Notes are for ease of reference only and shall not affect the construction and interpretation of these Articles. Other Expressions Other words or expressions contained in these Articles shall bear the same meaning as a reassigned to

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them in the Act or any statutory modifications thereof. 2. Table F not to Apply The regulations contained in Table F in the First Schedule to the Companies Act 2013 shall not apply except to the extent that the same are repeated or contained or expressly made applicable by these Articles or by the Act but the regulations for the management of the Company and for the observance of the members thereof and their representatives shall subject to any exercise of the statutory powers of the Company with reference to the repeal or alteration of or addition to its regulations by Special Resolution as prescribed by the said Companies Act 2013 be such as contained in these Articles. 3. Business Purpose The Company shall be engaged in the business of Transmission of Electricity including construction operation maintenance and other related activities.

- 4. Share Capital Increase of capital by the Company and how carried in to effect The Authorized Share Capital of the Company is as mentioned in clause V of the Memorandum of Association of the Company. The Company in General Meeting may from time to time by resolution increase its authorized share capital by creation of new shares such increase to be of such aggregate amount and to be divided in to shares of such respective amounts as may be determined by the General Meeting subject to the provisions of the Act.
- 5. New Capital same as existing capital Any capital raised by the creation of new shares shall be considered as part of the original capital and shall be subject to the same provisions herein contained with reference to the payment of calls and installments forfeiture lien surrender transfer and transmission voting and otherwise.
- 6. Reduction of Capital The Company may from time to time by special resolution reduce its capital which may be paid off either with or without extinguishing or reducing liability on shares which is in excess of the wants of the company or canceling such share capital which has been lost or is unrepresented by available assets.
- 7. Subdivision and consolidation of shares The Company in general meeting may from time to time sub-divide or consolidate its shares or any of them and exercise any of the other powers conferred by Section 61 of the Act and shall file with the Registrar such notice of exercise of any such powers as may be required by the Act.
- 8. Register and Index of Members Beneficial owners The Company shall cause to be kept a Register and also an Index of Members and Debenture-holders in accordance with Sections 88 of the Act. Further as permissible under Section 88 of the Act the register and Index of

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beneficial owners maintained by a Depository shall be deemed to be the corresponding Register and Index for the purpose of this Act.

- 9. Foreign Register of members The Company shall be entitled to keep in any country outside India a Foreign Register of members resident in that country subject to compliance with the provisions of Section 88 of the Act.
- 10. Shares to be numbered distinctively The shares in the capital held otherwise than in the depository mode shall be numbered progressively in sequence and given distinctive number Except and in the manner herein mentioned no share shall be forfeited or surrendered and shall continue to bear the number which it had originally borne.

- 11. Share Application Money The Company shall ensure that the share application money paid is held by it in an account with a Scheduled Commercial Bank (in the name of the Company). 12. Further Issue of Capital (a) Where at any time the Company wishes to raise its subscribed share capital by issue of further shares it shall first offer such shares to its existing shareholders in proportion to their existing shareholdings on the date of such issue. Such offer to the existing shareholders shall be in accordance with the provisions of Section 62 of the Act. (b) The Company shall subject to applicable provisions of the Act and Articles of Association make uniform calls from time to time upon all the Shareholders in respect of the moneys remaining unpaid on the issued share capital within 30 days or such time as the Board may deem fit and appropriate. 13. Shares under control of Directors Subject to the provisions of these Articles and of the Act the shares including any shares forming part of any increased capital of the Company shall be under the control of the Directors who may allot or otherwise dispose off the shares to such persons in such proportion on such terms and conditions and at such times as the Directors may think fit and subject to the sanction of the Company in General Meeting subject to the provisions of Sections 52 and section 54 of the Act at a premium or par and such option being exercisable for such time and for such consideration as the Directors think fit. The Board shall cause to be filed the returns as to allotment provided for in Section 39(4) of the Act. 14. Issue of shares for consideration other than cash Subject to these Articles and the provisions of the Act if any the Board may issue and allot shares in the capital of the Company as payment or in consideration or as part payment or in part consideration of the purchase or acquisition of any property or for services rendered to

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the Company in the conduct of its business and shares which may be so issued or allotted shall be credited or deemed to be credited as fully paid up or partly paid up shares. 15. Power of Company to Issue Shares The Company in General Meeting may subject to the provisions of Section 42 62 of the Act provide that any shares (whether forming part of the original capital or of any increased capital of the Company) shall be offered to such persons (whether a Member or not) in such proportion and on such terms and conditions of the Act) at a premium or at par or at a discount as such General Meeting shall determine and with full power to give any person (whether a Member or not) the option to call for or be allotted shares of any class of the Company either subject to compliance with the provisions of Sections 52 and 54 of the Act at a premium or at par or at discount such option being exercisable at such times and for such consideration as may be directed by such General Meeting or the Company in General Meeting may make any other provisions whatsoever for the issue allotment or disposal of any shares. 16. Acceptance of shares Any person applying for shares in the Company followed by an allotment of any shares and subscribers to the Memorandum shall be a shareholder within the meaning of these Articles and every person whose name is on the Register of Members shall for the purposes of these Articles be a Member of the Company. 17. Deposit call to be a debt payable Immediately The Money (if any) which the Board shall on the application for allotment of any shares being made by them require or direct to be paid by way of deposit call or otherwise in respect of any shares allotted by them shall immediately on the insertion of the name of the allottee in the Register of Members as the name of the holder of such shares become a debt due to and recoverable by the Company from the allottee thereof and shall be paid by him accordingly. 18. Liability of Members Every Member or his heirs executors or administrators shall pay to the Company the portion of the capital and premium if any represented by or payable on his share or shares which may for the time being remain unpaid thereon in such amounts at such time or times and in such manner as the Board shall from time to time in accordance with the Companys regulations require or fix for the payment thereof. 19. Share Certificates A certificate issued under the common seal of the company specifying the shares held by any person shall be prima facie evidence of the title of the person to such shares. (a) Every Member or allottee of shares who is holding such shares in the physical form shall be entitled without payment to receive

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certificate specifying the name of the person in whose favour it is issued the shares to which it relates and the amount paid-up thereof. Such certificates shall be issued only in pursuance of a resolution passed by the Board and on surrender to the Company of the letter of allotment or the fractional coupons of requisite value save in case of issues against letters of acceptance or of renunciation or in cases of issue of bonus shares. Every such certificate shall be issued under the seal of the Company which shall be affixed in the presence of two Directors and the Secretary or some other person appointed by the Board for the purpose and the two directors and the Secretary or other persons as authorized by the Board shall sign the share certificate. Provided if the composition of the Board permits of it at least one of the aforesaid two directors shall be a person other than a Managing or a Whole Time Director. Particulars of every share certificate issued shall be entered in the Register of Members against the name of the person to whom it has been issued indicating the date of issue. For issue of any further duplicate certificate the Board shall be entitled to charge such amount which shall not exceed fifty Rupees per Certificate. (b) A Director may sign a share certificate by affixing his signature thereon by means of any machine equipment or other mechanical means such as engraving in metal or lithography but not by means of a rubber stamp. PROVIDED that the Director shall be personally responsible for the safe custody of such machine equipment or other material used for the purpose. 20. Renewal of Share Certificates (a) No certificate of any share or shares shall be issued either in exchange for those which are sub-divided or consolidated or in replacement of those which are defaced mutilated torn or old decrepit destroyed or where the pages on the reverse for recording transfers have been duly utilized unless the certificate in lieu of which it is issued is surrendered to the Company and for issuing such share certificate the company may charge such fee as the Board thinks fit not exceeding twenty rupees per certificate. (b) When anew share certificate has been issued in pursuance of clause (a) of this Article it shall state on the face of it and against the stub or counter foil to the effect that it is Issued in lieu of share certificate No sub-divided replaced on consolidation. (c) If a share certificate is lost or destroyed a new certificate in lieu thereof shall be issued only with the prior consent of the Board and on such reasonable terms such as furnishing supporting evidence and indemnity and the payment of out-of-pocket expenses incurred by the Company in investigating evidence produced as the Board thinks fit. (d) When anew share

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certificate has been issued in pursuance of clause (c) of this Article it shall state on the face of it and against the stub or counterfoil to the effect that it is duplicate issued in lieu of share certificate No. and the word duplicate shall be stamped or printed prominently on the face of the share certificate. (e) Where anew share certificate has been issued in pursuance of clause (a) and or clause(c) of this Article particulars of every such share certificate shall be entered in a Register of Renewed and Duplicate Share Certificates indicating against the name(s) of the person(s) to whom the certificate is issued the number and date of issue of the share certificate in lieu of which the new certificate is issued and the necessary changes indicated in the Register of Members by suitable cross reference in the Remarks column. (f) All blank forms to be used for issue of share certificates shall be printed and the printing shall be done only on the authority of a resolution of the Board and the blank forms shall be consecutively machine-numbered and the forms and the blocks engravings facsimiles relating to the printing of such forms shall be kept in the custody of the Secretary or of such other person as the Board may appoint for the purpose and the Secretary or the other person aforesaid shall be responsible for rendering an account of these forms to the Board. (g) The Committee of the Board Company Secretary of the Company or a Director specifically authorized by the Board for such purpose shall be responsible for the maintenance preservation and safe custody of all books and documents relating to the issue of share certificates including the blank forms of share certificates referred to in clause (f). (h) All books referred to in clause (g) shall be preserved in good order for not less than thirty years and in disputed cases shall be preserved permanently. 21. Joint holders (a) Where two or more persons are registered as the holders of any share they shall be treated as a single shareholder and shall be deemed to hold the same as joint holders with benefits of survivorship subject to the following and other provisions contained in these Articles. (b) The Company shall be entitled to decline to register more than four persons as the holders of any share. (c) The Joint holders of any share shall be liable severally as well as jointly for and in respect of all calls and other payments which ought to be made in respect of such shares. (d) On the death of any such joint holder the survivor or survivors shall be the only person or persons recognized by the Company as having any title to the share but the Directors may require such evidence of death as they may deem fit and nothing herein contained shall be taken to release the estate of the deceased joint holder from any liability on

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shares held by him jointly with any other person. (e) Delivery of share certificate to any one of such joint holders shall be deemed to be delivery to all of them and any one of such joint holders may give effectual discharge and receipts for any dividends or other moneys payable in respect of such shares and or in respect of any other obligation of the Company towards them. (f) Only the person whose name stands in the Register of Members as the first of the joint holders of any shares shall be entitled to delivery of the certificate relating to such share or to receive notices from the Company and any notice given to such person shall be deemed proper notice to all joint holders. (g) Any one of two or more joint holders may vote at any meeting either personally or by proxy in respect of such share as if he were solely entitled thereto and if more than one of such joint holders be present at any meeting personally or by proxy the holder whose name stands first or higher (as the case may be) on the Register of Members in respect of such share shall alone be entitled to vote in respect thereof. PROVIDED always that a member present at any meeting personally shall be entitled to vote in preference to a person present by proxy although the name of such person present by proxy stands first on the Register of Members in respect of such shares. 22. Terms and Conditions of Preference Shares Subject to the provisions of section 55 any preference shares may with the sanction of an ordinary resolution be issued on the terms that they are to be redeemed on such terms and in such manner as the company before the issue of the shares may by special resolution determine.

- 23. Company to have lien on shares The Company shall have a first and paramount lien upon all shares (other than fully paid up shares) registered in the name of each member (whether solely or jointly with others) and upon the sale proceeds thereof for all moneys(whether presently payable or not) called or payable at a fixed time in respect of all such shares (not being fully paid up) for all moneys presently payable by him or his estate to the Company. Any such lien shall extend to all dividends payable and bonuses declared from time to time declared in respect of such shares.
- 24. Enforcing lien by sale For the purpose of enforcing such lien the Board may sell the shares subject thereto in such manner as they shall think fit and for that purpose it may cause to be issued a duplicate certificate in respect of such shares and may authorize one of their Directors to execute a transfer thereof on behalf of and in the name of the Board. No sale shall be made until notice period for

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making call as aforesaid have expired and until notice in writing of the intention to sell shall have been made known to the shareholder for default in payment and default has been made by him in the payment of money called in respect of such shares for thirty days after the date of such notice. Upon issue of a duplicate certificate or certificates in lieu of the original share the certificate or certificates originally issued shall stand cancelled and become null and void and the same shall have no effect.

- 25. Application of proceeds of sale The net proceeds of any such sale shall be received by the Company and applied in or towards payment of such part of the amount as is presently payable and the residue if any shall (subject to a like lien for sums not presently payable as existed upon the shares before sale) be paid to the person entitled to the shares at the date of the sale.
- 26. Directors may make calls The Board may from time to time subject to the terms on which any shares may have been issued and subject to the conditions of allotment by a resolution passed at a meeting of the Board (and not by resolution by circulation) make such callas it thinks fit upon the Members in respect of all moneys unpaid on the shares held by them respectively and each member shall pay the amount of every call so made on him to the person or persons and at the times and places appointed by the board. A call may be made payable by installments.
- 27. Notice of calls Not less than thirty days notice in writing of any call shall be given by the Company specifying the time and place of payment and the person or persons to whom such call shall be paid.
- 28. When call made A call shall be deemed to have been made at the time when the resolution of the Board authorizing such call was passed at a meeting of the Board and demand notice is issued.
- 29. Calls may be revoked or postponed A call may be revoked or postponed at the discretion of the Board.
- 30. Directors may extend time The Board may from time to time at its discretion extend the time fixed for the payment of any call and may extend such time as to all or any of the Members for reasons which the Board may consider satisfactory but no Member shall be entitled to such extension save as a matter of grace.
- 31. Calls to carry interest If any Member fails to pay any call due from him on the day appointed for payment thereof or any such extension thereof as aforesaid he shall be liable to pay interest on the same from the day appointed for the payment thereof to the time of actual payment at rate not exceeding 10 per cent per annum as maybe decided by the Board but the Board may in its absolute discretion and

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in special circumstances waive or reduce the levy of interest as deemed appropriate. Sums deemed to be call Any sum which by the terms of issue of a share becomes payable on allotment or at any fixed date whether on account of the nominal value of the share or by way of premium shall for the purposes of these Articles be deemed to be a call duly made and payable on the date on which by the terms of issue the same becomes payable and in case of non-payment all the relevant provisions of these Articles as to payment of interest and expenses forfeiture or otherwise shall apply as if such sum had become payable by virtue of a call duly made and notified. 32. Sums deemed to be call Any sum which by the terms of issue of a share becomes payable on allotment or at any fixed date whether on account of the nominal value of the share or by way of premium shall for the purposes of these Articles be deemed to be a call duly made and payable on the date on which by the terms of issue the same becomes payable and in case of non-payment all the relevant provisions of these Articles as to payment of interest and expenses forfeiture or otherwise shall apply as if such sum had become payable by virtue of a call duly made and notified. 33. Partial payment not to preclude Forfeiture Neither the receipt by the Company of a portion of any money which shall from time to time be due from any Member to the Company in respect of his shares either by way of principal or interest nor any indulgence granted by the Company in respect of the payment of any such money shall preclude the Company from there after proceeding to enforce a forfeiture of such shares as hereinafter provided. 34. Payment in anticipation of calls may carry interest The Board may if it thinks fit agree to and in anticipation receive from any Member willing to advance the same all of calls money or any part of the amounts of his respective shares beyond the sums actually called up and upon the moneys so paid in advance or upon so much thereof from time to time and at any time thereafter as exceeds the amount of the calls then made upon and due in respect of the shares on account of which such advances are. made the Board may pay or allow interest at such rate as the Member paying the sum in advance and the Board agree upon. The Board may agree to repay at any time any amount so advanced or may at any time repay the same upon giving to the Member three months notice in writing. PROVIDED that moneys paid in advance of calls on any shares may carry interest but shall not confer a right to dividend or to participate in profits. (b) No Member paying any such sum in advance shall be entitled to voting rights in respect of the moneys so paid by him until the same would but for such payment become presently payable.

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- 35. Register of Transfers The Company shall maintain a Register of Transfers and therein shall be fairly and distinctively enter the particulars of every transfer or transmission of any share in the physical form.
- 36. Form of transfer The instrument of transfer shall be in writing and in such form as prescribed under the Act. All the provisions of Section 56 of the Act shall be duly complied with in respect of all transfers and of the registration thereof. The Company shall not charge any fee for registration of a transfer of shares or debentures.
- 37. Instrument of Transfer to be completed and presented to the Company The Instrument of Transfer duly stamped and executed by the transferor and the transferee shall be delivered to the Company in accordance with the provisions of the Act. The instrument of transfer shall be accompanied by the Share Certificate or such evidences the Board may require to prove the title of transferor and his right to transfer the shares and every registered Instrument of Transfer shall remain in the custody of the Company until destroyed by order of the Board. Any instrument of transfer which the Directors may decline to register shall be returned to the person depositing the same.
- 38. Transferor deemed to be holder The transferor shall be deemed to be the holder of such shares until the name of the transferee shall have entered in the Register of Members in respect thereof. Before the registration of a transfer the certificate or certificates of the shares must be delivered to the Company along with Transfer Deed. No transfer to insolvent etc. 39. No transfer shall be made to a person of unsound mind or to an insolvent. 40. Closure of Register of Members Debenture holders The Directors shall have power on giving not less than seven days previous notice as required by Section 91 of the Act to close the Register of Transfer Register of Members or Register of Debenture holders or the register of other security holders of the Company for any period or periods not exceeding in the aggregate forty-five days in each year (but not exceeding thirty days at any one time) as they may determine.41.Nomination by shareholder Every share-holder or debenture holder may at any time nominate in the prescribed manner a person to whom his shares or debenture shall vest in the event of his death as provided in Section 72 of the Act.42.Title to shares of deceased holder In the event there is no nomination the executors or administrators of a deceased Member or the holder of a Succession Certificate in respect of the shares of a deceased Member (not being one of two or more joint holders) shall be the only persons whom the Company will be bound

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to recognize as having any title to the shares registered in the name of such Member and the Company shall not be bound to recognize such executors or administrators or holders unless such executors administrators or holders shall have first obtained probate or Letters of Administration or Succession Certificate as the case may be from a duly constituted Court in India. PROVIDED that the Directors may at their absolute discretion dispense with production of Probate Letters of Administration or Succession Certificate upon such terms as to indemnity or otherwise as they think fit and may enter the name of the person who claims to be absolutely entitled to the shares standing in the name of a deceased Member as a Member.

- 43.Transmission of Shares Subject to the provisions of the Act any person becoming entitled to any share inconsequence of the death lunacy or insolvency of any Member or by any lawful means other than by a transfer in accordance with these Articles may with the consent of the Directors (which they shall be under no obligation to give) and upon producing such evidence that he sustains the character in respect of which he proposes to act under this. Article or of his title as the Directors may require and upon such indemnity as the Directors may require either be registered as a Member in respect of such shares or elect to have some person nominated by him and approved by the Directors registered as a Member in respect of such shares. PROVIDED that if such persons shall elect to have his nominee registered he shall testify his election by executing in favor of his nominee an instrument of transfer in accordance with these Articles and until he does so he shall not be freed from any liability in respect of such shares.
- 44. Right of Board to decline or suspend registration (i) Any person becoming entitled to a share in consequence of the death or insolvency of a member may upon such evidence being produced as may from time to time properly be required by the Board and subject as hereinafter provided elect either -(a) to be registered himself as holder of the share or(b) to make such transfer of the share as the deceased or insolvent member could have made. (ii) The Board shall in either case have the same right to decline or suspend registration as it would have had if the deceased or insolvent member had transferred the share before his death or insolvency.
- 45. The Company not liable for disregard of notice prohibiting registration of transfer The Company shall incur no liability or responsibility whatever in consequence of its registering or giving effect to any transfer of shares made or purported to be made by any apparent legal owner thereof (as shown or appearing in register of

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Members) to the prejudice of persons having or claiming any equitable right title or interest to or in the same shares notwithstanding that the Company may have had notice of such equitable right title or interest or notice prohibiting registration of such transfer and may have entered such notice or referred to it in any book or attended or given effect to any notice which may have been given to it of any equitable right title or interest or be under any liability whatsoever for refusing or neglecting so to do though it may have been entered or referred to in some book of the Company but the Company shall nevertheless be at liberty to regard and attend to any such notice and give effect thereto if the Directors shall so think fit.

- 46. Rights of successors A person becoming entitled to a share by reason of the death or insolvency of the holder shall be entitled to the same dividends and other advantages to which he would have been entitled if he were the registered holder of the shares except that he shall not before being registered as a Member in respect of the shares been titled to exercise any right conferred by membership in relation to meetings of the Company. PROVIDED that the Directors shall at any time give notice requiring any such person to elect to be registered himself or to transfer the shares and if the notice is not complied within ninety days from the date of issue of the notice the Directors may thereafter withhold payment of all dividends bonuses or other moneys payable in respect of the shares until the requirements of the notice have been complied with.
- 47. If money payable on shares not paid notice to begiven to members If any Member fails to pay any call or installment of a call on or before the day appointed for the payment of the same or any such extension thereof as aforesaid the Board may at any time thereafter during such time as any part of the call or installment remains unpaid serve a notice on him requiring him to pay the same together with any interest which may have accrued and all expenses that may have been incurred by the Company by reason of such non-payment.
- 48. Contents of Notice The notice shall name a further day (not being less than fourteen days from the date of the service of notice) and a place or places on and at which such call or installment and such interest thereon at such rate as the Directors shall determine from the day on which such call or installment ought to have been paid and expenses as aforesaid are to be paid. The notice shall also state that in the event of the non-payment on or before the day at or before the

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time and at the place appointed the shares in respect of which the call was made or installment is payable shall be liable to be forfeited.

- 49. In default of payment shares to be Forfeited If the requirement of any such notice as aforesaid are not complied with every or any share in respect of which such notice has been given may at any time thereafter but before payment of all calls or installments interest and expenses due in respect thereof be forfeited by a resolution of the Board to that effect. Such forfeiture shall include all dividends declared or any other moneys payable in respect of the aforesaid share and not actually paid before the forfeiture. In default of payment shares to be Forfeited.
- 50. Notice of forfeiture to a Member When any share shall have been so forfeited notice of the forfeiture shall be given to the Member in whose name it stood immediately prior to the forfeiture and an entry of the forfeiture with the date thereof shall forthwith be made in the Register of Members but no forfeiture shall be in any manner invalid by any omission or neglect to make any such entry as aforesaid in the Register.
- 51. Forfeited share to be property of the Company and may be sold etc. Any share so forfeited shall be deemed to be the property of the Company and maybe sold re-allotted or otherwise disposed of either to the original holder thereof or to any person upon such terms and in such manner as the Board shall think fit.
- 52. Member still liable to pay calls owing at the time of forfeiture and interest Any members whose shares have been forfeited shall notwithstanding the forfeiture be liable to pay and shall forthwith pay to the Company on demand all calls installment interest and expenses owing upon or in respect of such shares at the time of the forfeiture together with interest accrued thereon at the time of the forfeiture at such rate as the Board may determine and the Board may enforce the payment thereof if it thinks fit.
- 53. Effect of forfeiture The forfeiture of a share shall involve extinction at the time of the forfeiture of all interest in and all claims and demands against the Company in respect of the share and all other rights incidental to the share except only such of those rights as by these Articles are expressly saved. 54. Evidence of forfeiture A declaration in writing by Chairman or Managing Director of the Company or by any person duly authorised in this regard that certain shares in the Company have been duly forfeited on a date stated in the declaration shall be conclusive evidence of the facts therein stated as against all persons claiming to be entitled to the shares and such declaration and the receipt of the Company for the

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consideration if any given for the shares on the sale or disposition thereof shall constitute a good title to such shares and the person to whom the shares are sold shall be registered as the holder of such shares and shall not be bound to see as to the application of the purchase money nor shall his title to such shares be affected by any irregularity or invalidity in the proceedings in reference to such forfeiture sale or disposition. 55. Validity of sale under Articles of forfeited shares Upon any sale after forfeiture or for enforcing a lien in purported exercise of the powers herein before given the board may appoint some person to execute an instrument of transfer of the shares sold and cause the purchasers name to be entered in the Register of Members in respect of the shares sold and the purchaser shall not be bound to see the regularity of the proceedings or to the application of the purchase money and after his name has been entered in the Register in respect of such shares the validity of the sale shall not be impeached by any person and the remedy of any person aggrieved by the sales hall be in damages only and against the Company exclusively. 56. Cancellation of Share Certificates in respect of forfeited shares Upon any sale re-allotment or other disposal under the provisions of the preceding Articles the certificate or certificates originally issued in respect of the relative shares shall (unless the same shall on demand by the Company have been (previously) surrendered to it by the defaulting member) stand cancelled and become null and void and of no effect and the Directors shall be entitled to issue a duplicate certificate or certificates in respect of the said shares to the person or persons entitled thereto. 57. Power to annul forfeiture The Board may at any time before any share so forfeited shall have been sold re-allotted or otherwise disposed of annul the forfeiture thereof upon such terms and conditions as it thinks fit.

- 58. Alteration of Share Capital The company may from time to time by ordinary resolution increase the share capital by such sum to be divided into shares of such amount as may be specified in the resolution. Subject to the provisions of section 61 the company may by ordinary resolution the Company may from time to time--(a) consolidate and divide all or any of its share capital into shares of larger amount than its existing shares (b) convert all or any of its fully paid-up shares into stock and reconvert that stock into fully paid-up shares of any denomination (c) Sub-divide its shares or any of them into shares of smaller amount than is fixed by the memorandum so however that in the sub-division the proportion between the amount paid and the amount if any unpaid on each reduced share shall be the

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same as it was in the case of the share from which the reduced share is derived. (d) Cancel any shares which as the date of the passing of the resolution have not been taken or agreed to be taken by any person and diminish the amount of its share capital by the amount of the shares so cancelled. The resolution whereby any share is sub-divided may determine that as between the holders of the shares resulting from such sub-division one or more of such shares shall have some preference or special advantage as regards dividend capital voting or otherwise over or as compared with the others or other subject to the provisions of the Act. Subject to the provisions of Sections 66 of the Act the Board may accept from any member the surrender on such terms and conditions as shall be agreed of all or any of his shares. The company may by special resolution reduce in any manner and with and subject to any incident authorised and consent required by law --(a) its share capital (b) any capital redemption reserve account or (c)any share premium account.

- 59. Capitalization of Profits (1) Any General Meeting of the Company may resolve that any amounts standing to the credit of the Free Reserve or Share Premium Account or the Capital Redemption Reserve Account or any moneys investment or other assets forming part of the undivided profits including profits or surplus moneys arising from the realization and (when permitted by the law) from the appreciation in value of any capital assets of the Company standing to the credit of the General Reserve or any other Reserve or Reserve Fund or any other Fund of the Company or in the hands of the Company and available for dividend be capitalized- (a) by the issue and distribution of shares as fully paid-up and to the extent permitted by the Act debentures debenture stock bonds or other obligations of the Company or (b) by crediting share of the Company which may have been issued and are not fully paid-up with the whole or any part of the sum remaining unpaid thereon PROVIDED that any amounts standing to the credit of the Share Premium Account or the Capital Redemption Reserve Account shall be applied only in crediting the payment of capital on shares to be issued to Members as fully paid bonus shares (Further capitalization of reserve created by the revaluation of assets are not to be used for issuance of Bonus Shares as per section 63 of the Act). (2) Such issue and distribution under sub-clause (1) (a) of this Article and payment to the credit of unpaid share capital under sub-clause (1) (b) of this Article shall be made among and in favour of the Members or any class of them or any of them entitled thereto and in accordance with their respective rights and interests and in proportion to the amount of capital paid-

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up on the shares held by them respectively in respect of which such distribution or payment shall be made on the footing that such Members become entitled thereto as capital. (3) The Directors shall give effect to any such resolution and for the said purpose the Board may settle any difficulty which may arise in regard to distribution as it thinks expedient including in regard to fractional entitlements and shall apply such profits General Reserve other Reserve or any other Fund or account as aforesaid as may be required for the purpose of making payment in full on the shares or other obligations of the Company so distributed under sub clause (1) (a) of this Article or (as the case may be)for the purpose of paying in whole or in part the amount remaining unpaid on the shares which may have been issued and are not fully paid-up under sub-clause (1)(b) above. PROVIDED that no such distribution or payment shall be made unless recommended by the Directors and if so recommended such distribution and payment shall be accepted by such Members as aforesaid in full satisfaction of their interest in the said capitalized fund. (4) For the purpose of giving effect to any such resolution the Directors may settle any difficulty which may arise in regard to the distribution or payment as aforesaid as they think expedient and in particular they may issue fractional certificates and may fix the value for distribution of any specific asset and may determine that any cash payment be made to any Members on the footing of the value so fixed and may vest any such cash shares debentures stock bonds or other obligations in trustees upon such trusts for the persons entitled thereto as may seem expedient to the directors and generally may make arrangement for the acceptance allotment and sale of such shares debentures debentures stock bonds or other obligations and fractional certificates or otherwise as they may think fit. (5) When deemed requisite a proper contract shall be filed in accordance with the Act and the Board may appoint any person to sign such contract on behalf of the Members entitled as aforesaid. Subject to the provisions of the Act and these Articles in cases where some of the shares of the Company are fully paid and others are partly paid such capitalization may be effected by the distribution of further shares in respect of the fully paid shares and by crediting the partly paid shares with the whole or part of the unpaid liability thereon but so that as between the holders of the fully paid shares and the partly paid shares the sums so applied in the payment of such further shares and in the extinguishment or diminution of the liability on the partly paid shares shall be applied pro rata in proportion to the amount then

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already paid or credited as paid on the existing fully paid and partly paid shares respectively.

- 60. Buy Back of Shares Notwithstanding anything contained in these articles but subject to the provisions of sections 68 to 70 and any other applicable provision of the Act or any other law for the time being in force the company may purchase its own shares or other specified securities.
- 61. Annual General Meeting The Company shall in each year hold a General Meeting as its Annual General Meeting in addition to any other meeting in that year. All General Meetings other than Annual General Meetings shall be called Extraordinary General Meetings. If for any reason beyond the control of the Board the general meeting (including an Annual General meeting) cannot be held on the appointed day the Board shall have power to postpone the General meeting of which a notice should be given to the members. Every member of the Company shall be entitled to attend either in person or by proxy and the Auditor of the Company shall have the right to attend and to be heard at any General Meeting which he attends on any part of the business which concerns him as Auditor.
- 62. Extraordinary General Meeting The Board may whenever it thinks fit call an Extraordinary General Meeting of the Company. The Board shall at the requisition in writing by a Member or Members holding in the aggregate not less than one-tenth of such of the paid-up capital of the company on that date and carries the right of voting in regard to the matter in respect of which the requisition has been made. 63. Requisition of Members to state object of Meeting Any valid requisition so made by Members must state the object or objects of the meeting proposed to be called and must be signed by the requisitionists and deposited at the registered office of the company. PROVIDED that such requisition may consist of several documents in like form each signed by one or more requisitionists. 64. On receipt of requisition Directors to call meeting and in default requisitionists may do so Upon the receipt of any such requisition the Board shall forthwith call an Extraordinary General Meeting and if they do not proceed within twenty-one days from the date of the requisition being deposited at the Registered Office to cause a meeting to be called on a day not later than forty-five days from the date of deposit of the requisition the requisitionists or such of their number as represent either a majority in value of the paid-up share capital held by all of them or one-tenth of such of the paid-up share capital of the Company as is referred to in Section 100(2) of the Act whichever is less may themselves call the meeting but in either case any meeting

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so called shall beheld within three months from the date of the deposit of the requisition as aforesaid. 65. Meeting called by requisitionists Any meeting called under the foregoing Articles by the requisitionists shall be called in the same manner as nearly as possible as that in which meetings are to be called by the Board. 66. Twenty-one days notice of meeting to be given A general meeting of a Company may be called by giving not less than clear twenty-one days notice either in writing or through electronic mode in such a manner as may be prescribed Every notice of a meeting shall specify the place date day and the hour of meeting and shall contain statement of the business to be transacted at such meeting. And The notice of every meeting shall be given to every member of the Company Legal Representative of any deceased member or the assignee of an insolvent member auditor or auditors of the Company and every director of the Company and all such persons as are under these Articles entitled to receive notice from the Company Provided that a general meeting may be called after giving shorter notice than that specified in this sub-section if consent in writing or by electronic mode is accorded thereto (i) in the case of an annual general meeting by not less than ninty-five per cent. of the members entitled to vote thereat and (ii) in the case of any other general meeting by members of the company(a) holding if the company has a share capital majority in number of members entitled to vote and who represent not less than ninety-five per cent. of such part of the paid-up share capital of the company as gives a right to vote at the meeting or (b) having if the company has no share capital not less than ninty-five per cent. of the total voting power exercisable at that meeting Provided further that where any member of a company is entitled to vote only on some resolution or resolutions to be moved at a meeting and not on the others those members shall be taken into account for the purposes of this sub-section in respect of the former resolution or resolutions and not in respect of the latter.

- 67. Business to be transacted at the General Meeting and nature there of In the case of an Annual General Meeting all business to be transacted there at shall be deemed special other than (i) the consideration of the financial statements and there ports of the Board of Directors and Auditors (ii) the declaration of any dividend (iii) the appointment of Directors in place of those retiring (iv)the appointment of and the fixing of the remuneration of the Auditors and in the case of any other meeting all business shall be deemed to be Special Business and there shall be annexed to the notice of the Meeting an Explanatory statement setting out all material facts

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concerning each such item of special business including in particular the nature of the concern or interest financial or otherwise if any therein of (i) every Director and the Manager (if any) (ii) every other key managerial personnel and relatives of the persons mentioned in sub clauses (i) and (ii). Where any such item of Special Business relates to or affects any other company the extent of shareholding interest in such other company of every promoter director and the manager if any and of every other key managerial personnel of the Company shall also beset out in the statement if the extent of such shareholding interest is not less than two per cent of the paid-up share capital of that other company and where any item of business consists of the according of approval to any documents by the meeting the time and place where the document can be inspected shall be specified in the statement aforesaid. The annual general meeting shall be called during business hours on any day that is not a National Holiday and it is to be held either at the registered office of the company or at some other place within the city in which the registered office of the company is situate.

- 68. Omission to give notice not to invalidate are solution passed The accidental omission to give any such notice as aforesaid to any of the Members or the non-receipt thereof shall not invalidate any resolution passed at any such meeting.
- 69. Meeting not to transact business not mentioned in notice No General Meeting Annual or Extraordinary shall be competent to enter upon discuss or transact any business which has not been mentioned in the notice or notices upon which it was convened.
- 70. Body Corporate deemed to be personally present A body corporate being a Member shall be deemed to be personally present if it is represented in accordance with Section 113 of the Act.
- 71. Quorum at General Meeting No business shall be transacted at any general meeting unless a quorum of members is present at the time when the meeting proceeds to business. Save as otherwise provided herein the quorum for the general meetings shall be as provided in section 103 of the Companies Act 2013 72.. If quorum not present meeting to be dissolved or adjourned If at the expiration of half an hour from the time appointed for holding a general meeting of the Company a quorum is not present the meeting if convened by or upon the requisition of Members shall stand dissolved but in any other case the meeting shall stand adjourned to the same day in the next week or if that day is a public holiday until the next succeeding day which is nota public holiday at the same time and place or to such other day and at such other time place as the Board may determine

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and if at such adjourned meeting a quorum is not present at the expiration of half an hour from the time appointed for holding the meeting the Members present shall form the quorum and may transact the business for which the meeting was called. 73. Chairman of General Meeting The Chairman of the Board shall be entitled to take the Chair at every General Meeting whether Annual or Extraordinary. If at any meeting the Chairman is not present within fifteen minutes of the time appointed for holding such meeting or he has informed that he shall be unable or unwilling to take the Chair then any one of directors with mutual consent shall so preside at the meeting. If no Director be present or if all the Directors present decline to take the Chair then the Members present shall elect one of the members to be the Chairman of the Meeting. 74. No Business whilst chair vacant No business shall be discussed at any General Meeting except the election of a Chairman whilst the Chair is vacant. 75. Chairman with consent may adjourn meeting The Chairman with the consent of the Members may adjourn any meeting from time to time and from place to place within the city town or village in which the Registered Office of the Company is situated but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. Notwithstanding the provision as above in the event of disorder at a validly convened meeting the Chairman may adjourn the meeting provided that such an adjournment shall not be a longer period than the Chairman considers necessary to being order at the meeting and Chairman communicates his decision to those present in so far as it is possible.76.Questions at General Meeting how Decided Every question submitted to a meeting shall be decided in the first instance unless a poll is demanded on a show of hands. Before or on the declaration of the result of the voting on any resolution on a show of hands a poll may be ordered to be taken by the Chairman of the meeting on his own motion and shall be ordered to be taken by him on a demand made in that behalf by any member or members present in person or by proxy and holding shares in the Company which confer a power to vote on the resolution not being less than one-tenth of the total voting power in respect of the Resolution or on which an aggregate sum of not less than five lakh rupees has been paid up. The demand for a poll may be withdrawn at any time by the person or persons making the demand. Unless a poll is so demanded a declaration by the Chairman that are solution has on show of hands been carried through unanimously or by a particular majority or lost and an entry to that effect in the Minutes Book of the Company shall

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be conclusive evidence of the fact without proof of the number or proportion of the votes recorded in favour of or against the resolution. 77. Chairmans Casting Vote In the case of an equality of votes the Chairman shall have a casting vote in addition to the vote or votes to which he may be entitled otherwise. 78. Poll to be taken if demanded If a poll is demanded as aforesaid the same shall be taken at such time (not later than forty-eight hours from the time when the demand was made) and place in the city or town in which the Registered office of the Company is for the time being situated as the Chairman shall direct either at once or after an interval or adjournment and the result of the poll shall be deemed to be the resolution of the meeting. 79. In which case poll taken without Adjournment Any poll duly demanded on the election of the Chairman of a meeting or on any question of adjournment shall be taken at the meeting forthwith. 80. Demand for poll not to prevent transaction of other business The demand for a poll except on the questions of the election of the Chairman and of an adjournment shall not prevent the continuance of a meeting for the transaction of any business other than the question on which the poll has been demanded. 81. Minutes of General Meetings(a) The Company shall cause minutes of the proceedings of every General Meeting or every resolution passed by postal ballot to be kept by making within thirty days of the conclusion of every such meeting concerned record thereof kept with Minute Book for that purpose with their pages consecutively numbered. (b) Each page of every such book shall be initialed or signed and the last page of the record of proceedings of each meeting in such book shall be dated and signed by the Chairman of the same meeting within the aforesaid period of thirty days or in the event of the death or inability of that Chairman within that period by a Director duly authorised by the Board for the purpose. (c) In no case the minutes of proceedings of a meeting shall be attached to any such book as aforesaid by pasting or otherwise. (d) The minutes of each meeting shall contain a fair and correct summary of the proceedings thereat. (e) All decisions taken and appointments of officers made at any meeting aforesaid shall be included in the minutes of the meeting. (f) Nothing herein contained shall require or be deemed to require the inclusion in any such minutes of any matter which in the opinion of the Chairman of the meeting (a) is or could reasonably be regarded as defamatory of any person or (b) is irrelevant or immaterial to the proceedings or (c) is detrimental to the interests of the Company. The Chairman of the meeting shall exercise an absolute discretion in regard to the inclusion or non-

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inclusion of any matter in the minutes on the aforesaid grounds.(g) Any such minutes shall be evidence of the proceedings recorded therein. Where the minutes have been kept in accordance with section then until the contrary is proved the meeting shall be deemed to have been duly called and held all appointments of directors key managerial personnel auditors or company secretary in practice shall be deemed to be valid. No document purporting to be a report of the proceedings of any general meeting of a company shall be circulated or advertised at the expense of the company unless it includes the matters required to be contained in the minutes of the proceedings of such meeting. The company shall observe secretarial standards with respect to general and Board meetings specified by the Institute of Company Secretaries of India constituted under section 3 of the Company Secretaries Act 1980 and approved as such by the Central Government. (h) The book containing the minutes of the proceedings of any general meeting of the Company or of a resolution passed by postal ballot shall be kept at the registered office of the Company and shall be open during business hours to the inspection by any member without any charge for such period not being less than two hours in each business day are allowed for inspection.

- 82. Adjournment of Meeting (i)The Chairperson may with the consent of any meeting at which a quorum is present and shall if so directed by the meeting adjourn the meeting from time to time and from place to place. (ii) No business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. (iii) When a meeting is adjourned for thirty days or more notice of the adjourned meeting shall be given as in the case of an original meeting. (iv) Save as aforesaid and as provided in section 103 of the Act it shall not be necessary to give any notice of an adjournment or of the business to be transacted at an adjourned meeting.
- 83. Members in arrears not to vote No member shall be entitled to vote either personally or by proxy at any General Meeting or Meeting of a class of shareholders either upon a show of hands or upon a poll in respect of any shares registered in his name on which any calls or other sums presently payable by him have not been paid or in regard to which the Company has exercised any right of lien.
- 84. Number of votes to which Member Entitled Subject to the provisions of these Articles and without prejudice to any special privileges or restrictions as to voting for the time being attached to any class of shares for the time being forming part of the capital of

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the Company every Member shall be entitled to be present and to speak and vote at such meeting by show of hand for which the Member present in person shall have one vote. On a poll taken at a meeting of a company a member entitled to more than one vote or his proxy need not to use all his votes or cast in the same way all the votes he uses.

- 85. Votes by a Member entitled to more than one vote On a poll taken at a meeting of the Company a Member entitled to more than one vote by virtue of his share-holding or his proxy or other person entitled to vote for him as the case may be need not if he votes use all his votes or cast in the same way all the votes he uses and he may vote in different manner as he deems fit.
- 86. Vote of Member who is a minor If any shareholder be a minor the vote in respect of his share or shares shall be by his guardian or any one of his guardians if more than one to be selected in case of dispute by the Chairman of the meeting.
- 87. Votes of Joint Members If there be joint registered holders of any shares the vote of the senior who tenders a vote whether in person or by proxy shall be accepted to the exclusion of the votes of the other joint holders. For this purpose seniority shall be determined by the order in which the namesst and in the register of members.
- 88. Voting in person or by proxy or Representative Subject to the provisions of these Articles votes may be given either personally or by proxy. A body corporate being a Member may vote either by proxy or by a representative duly authorised in accordance with Section 113 of the Act and such representative shall be entitled to exercise the same rights and powers(including the right to vote by proxy) and by postal ballot on behalf of the body corporate which he represents as that body could exercise if it were an individual Member of the Company.
- 89. Votes in respect of shares of Deceased Any person entitled under the Transmission Clause to transfer any shares may vote at any General Meeting in respect thereof in the same manner as if he were the registered holder of such shares. PROVIDED that forty-eight hours at least before the time of holding the meeting or adjourned meeting as the case maybe at which he proposes to vote he shall satisfy the Chairman of his right to transfer such shares and give such indemnity (if any) as the Chairman may require or the Chairman shall have previously admitted his right to vote at such meeting in respect thereof. 90. Time for objection to vote No objection shall be made to the validity of any vote except at the meeting or poll at which such vote was tendered and every vote whether given personally or by

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proxy not disallowed at such meeting or poll shall be deemed valid for purposes of such meeting or poll whatsoever. 91. Chairman of the meeting to be the judge of the validity of any Vote The Chairman of any meeting shall be the sole judge of the validity of every vote tendered at such meeting. The Chairman present at the taking of a poll shall be the sole judge of the validity of every vote tendered at such poll.

- 92. Appointment of proxy A person can act as proxy on behalf of members not exceeding fifty and holding in the aggregate not more than ten percent of the total share capital of the company carrying voting rights Provided that a member holding more than ten percent of the total share capital of the Company carrying voting rights may appoint a single person as proxy and such person shall not act as proxy for any other person or shareholder. Every proxy shall be appointed in writing under the hand of the Member or if such Member is a body corporate under the common seal of such corporation or be signed by an appointer or his attorney duly authorised in writing. The proxy so appointed shall not have any right to speak at the meetings.
- 93. Deposit of instrument of Proxy etc. The instrument appointing a proxy and the power of attorney or other authority (if any) under which it is signed or a notarized copy of that power or authority shall be deposited at the Registered Office of the Company not later than forty-eight hours before the time for holding the meeting at which the person named in the instrument proposes to vote and in default the instrument of proxy shall not be treated as valid. No instrument appointing a proxy shall be valid after the expiration of twelve months from the date of its execution.
- 94. Form of proxy An instrument appointing a proxy shall be in the form No. MGT-11 as prescribed in the rules made under section 105 of the Companies Act 2013 95. Proxy either for specified meeting or for a period An instrument of proxy may appoint a proxy either for the purpose of a particular meeting specified in the instrument and any adjournment thereof or it may appoint for the purpose of every meeting of the Company or of every meeting to be held before a date specified in the instrument and every adjournment of any such meeting. 96. Validity of votes given by proxy not withstanding death of Member A vote given in accordance with the terms of an instrument of proxy shall be valid notwithstanding the previous death or insanity of the principal or there vocation of the proxy or of the authority under which the proxy was executed or the transfer of the shares in respect of which the proxy is given. Provided that no

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intimation in writing of such death insanity revocation or transfer shall have been received by the company at its office before the commencement of the meeting or adjourned meeting at which the proxy is used.

- 97. Management of Affairs The day to day management of the business and affairs of the Company shall be vested with Project-in-charge under the supervision direction control of the Board. The Board may exercise all such powers of the Company and do all such acts deeds and things as are not prohibited by the Act or any other statute or by the Memorandum of Association of the Company and without prejudice to the foregoing shall be responsible for all policy matters and the supervision direction and control of the conduct of the business affairs operations of the Company.
- 98. First Directors Shri Naveen Kumar, Shri Sanjay Kumar AND Nayak, Shri Nand Kishor Nagar shall be the First Directors of the Company.
- 99. Number and appointment of Directors The Board of Directors of the Company shall consist of not less than 3 but not more than 15 Directors. A Director shall not be required to hold any qualification shares in the Company. Notwithstanding anything to the contrary contained in these Articles so long as any moneys remain owing by the Company to a Financial Institution or any other person by the Company or the Company has entered into any agreement or undertaking or arrangement (hereinafter refer as agreement) with Bodies (like State Electricity Board Nigam) or the Board of Directors have decided to seek nomination on the Board from the beneficiary state or any Financial Institution or PFC Consulting Limited or person holds Debentures in the Company by direct subscription or private placement the Company may agree to grant to such Financial Institution PFC Consulting Limited person or other Bodies as a condition of such loan or subscription to Debenture or any other agreement or to a Debenture Trustee the right to appoint from time to time any person or persons as Director or Directors of the Company (which director or directors is are hereinafter referred to as Nominee Directors) retiring or non-retiring subject to and on such terms and conditions as the Company may agree with such Financial Institutions PFC Consulting Limited Person other Bodies and or Debenture Trustee. The Company shall have a right to remove from office Nominee Director(s) at the option of the Company in consultation with Financial Institutions PFC Consulting Limited Bodies persons or Debenture Trustee. Such Nominee Director(s) shall not be required to hold any Share qualification in the Company.

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Also at the option of the Company such Nominee Director(s) shall not be liable to retirement by rotation of the Directors. Subject as aforesaid the Nominee Director(s) shall be entitled to the same rights and privileges and be subject to the same obligations as any other Director of the Company. The Nominee Director(s) so appointed shall hold the said office only so long as moneys remain owing by the Company to the Financial Institution or so long as the Debenture Trustee hold debenture in the Company or operation of agreement and the Nominee Directors so appointed in the exercise of the said person shall ipso facto vacate such office immediately the money owing by the Company to the Financial Institution or on the Debenture Trustee ceasing to hold Debentures Shares on the satisfaction of liability of the Company arising out of any Guarantee furnished by the Financial Institutions or satisfactory completion of term of agreement with Bodies. The Nominee Director(s) appointed under this article shall be entitled to receive all notice of and attend all General meeting Board Meeting and of the meetings of the Committee of which the Nominee Director(s) is are member(s) as also the minutes of meetings. The financial institutions Debenture Trustee persons bodies shall also be entitled to receive all such notice and minutes. The Company shall pay to the Nominee Director(s) sitting fees and expenses which other Director of the Company are entitled but if any other fees commission remuneration in any form is payable to the Director of the Company the fees commission money and remuneration in relation to such Nominee Director(s) shall accrued to Debenture Trustee and same shall accordingly be paid by the Company directly to the debenture trustee. Any expenses that may incurred by the financial institution or such Nominee Director(s) in connection with their appointment or Directorship shall also be paid or reimbursed by the Company to the financial Institution or as the case may be to such Nominee Director(s). Provided that if any such Nominee Director(s) is are an officer of the Financial Institution the sitting fees in relation to such Nominee Director(s) shall also accrue to the Financial Institute and the same shall accordingly be paid by the Company directly to that Financial Institution. Provided further that if such Nominee Director(s) is are an official of any of the Reserve Bank of India the sitting fees in relation to such Nominee Director(s)shall also accrue to Financial Institution to whom he represents as Nominee Director from Reserve Bank of India and the same shall accordingly be paid by the Company directly to that Financial Institution. Provided also that in the event of the Nominee Director(s) being appointed as Whole Time Director(s) such

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Nominee Director(s) shall exercise such powers and duties as may be approved by the Lenders or Bodies in consultation with Board and have such rights as are usually exercised or available to a Whole Time Director in management of the Borrower or Bodies and such Nominee Director(s) shall be entitled to receive such remuneration fees commission and moneys as may be approved by the Lenders or Bodies in consultation with Board.

- 100. Company may increase the number of Directors Subject to Section 149 of the Act the Company may subject to special resolution in General Meeting increase the maximum number of Directors. Further the Company may subject to the provisions of Section 169 of the Act bypassing the ordinary resolution in the General Meeting of the members may remove any Director before the expiration of his period of office and appoint another person in the place of director so removed.
- 101. Appointment of Alternate Directors In accordance with Section 161 and other applicable provisions (if any) of the Act the Board shall have power at any time and from time to time to appoint a person not being a person holding any alternate directorship for any other Director in the Company to act as an alternate director for a director(hereinafter called the original Director) during his absence for a period of not less than three months from India.
- 102. Directors power to fill up casual Vacancies Casual vacancies among Directors may be filled by the Board of Directors at their meeting and any person so appointed shall hold the office as per the provision of section 161.
- 103. Appointment of Additional Director Subject to the provisions of Section 161 and other applicable provisions (if any) of the Act the Board shall have power at any time and from time to time to appoint a person as an Additional Director but so that the total number of Directors shall not at any time exceed the maximum number fixed by these Articles. The Additional Director so appointed shall retire from Office at next following Annual General Meeting but shall be eligible for election by the company at that meeting as a Director. 104. Directors may act notwithstanding any vacancy The continuing Directors may act notwithstanding any vacancy in their body but if and so long as their number is reduced below the minimum number fixed by Article 100 thereof the continuing Directors may act for the purpose of increasing the number of Directors to that number or of summoning a General Meeting for that purpose. 105. Remuneration of Directors Subject to the provisions of the Act the Chairman or Managing Director or any other functional Directors who is are in the

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whole-time employment of the Company may be paid remuneration either by way of a monthly payment or at a specified percentage of the net profit of the Company or partly by one way and partly by the other keeping in view the limiting provisions governing the Managerial remuneration under the provisions of the Act. Subject to the provisions of the Act a Director who is neither in the whole-time employment nor a Chairman cum Managing Director of the Company may be paid remuneration either-(a) by way of monthly quarterly or annual payment with the approval of the Central Government or (b) by way of commission if the Company by a special resolution authorizes such payment and The sitting fee payable to a Director (excluding Whole-time Director) for attending a meeting of the Board or Committee thereof shall be such sum as may be fixed by the Board provided that the same shall not exceed Rs. 100000- or such other sum as prescribed in the Act as amended from time to time. Travelling expenses incurred by Director going out on Companys Business. The Board may allow and pay to any Director who is not a bona-fide resident of the place where the Registered Office of the Company or where the meetings of the Board are actually held and who has to come to such place for the purpose of attending any meeting such sum as the Board may consider fair compensation fortravelling boarding lodging and other actual incidental expenses in addition to his fee for attending such meeting as specified above. If any Director be called upon to go or reside out of the bona fide place of his residence on the Companys business he shall be entitled to be paid and reimbursed any travelling or other actual expenses incurred by him in connection with the business of the Company. 106. When office of Directors to become Vacant Subject to Section 167 of the Act the office of a Director shall become vacant if-(a) he incurs any of the disqualifications specified in section 164 under the act(b) he absents himself from all the meetings of the Board of Directors held during a period of twelve months with or without seeking leave of absence of the Board (c) he acts in contravention of the provisions of entering into contracts or arrangements in which he is directly or indirectly interested (d) he fails to disclose his interest in any contract or arrangement in which he is directly or indirectly interested (e) he becomes disqualified by an order of a court or the Tribunal (f) he is convicted by a court of any offence whether involving moral turpitude or otherwise and sentenced in respect thereof to imprisonment for not less than six months Provided that the office shall be vacated by the director even if he has filed an appeal against the order of such court (g) he is removed in pursuance of the

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provisions of this Act (h) he having been appointed a director by virtue of his holding any office or other employment in the holding subsidiary or associate company ceases to hold such office or other employment in that company. 107. Directors may contract with Company Except with the consent of the Board of Directors given by a resolution at a meeting of the Board and subject to such conditions the company shall not enter into any contract or arrangement with a related party with respect to(a) sale purchase or supply of any goods or materials (b) selling or otherwise disposing of or buying property of any kind (c) leasing of property of any kind (d) availing or rendering of any services (e) appointment of any agent for purchase or sale of goods materials services or property (f) such related partys appointment to any office or place of profit in the company its subsidiary company or associate company (g) underwriting the subscription of any securities or derivatives thereof of the company. Every contract or arrangement entered as related party transaction shall be referred in the Boards report to the shareholders along with the justification for entering into such contract or arrangement. 108. Disclosure of interest by Directors1) Every Director of the Company who is in any way whether directly or indirectly concerned or interested in a contract or arrangement or proposed by Directors interested in a contract or arrangement or proposed contract or arrangement entered into or to be entered into by or on behalf of the Company shall disclose the nature of his concern or interest at every financial year or whenever there is change in the disclosure of interest. (2) Nothing in sub-clause (1) of this Article shall apply to any contract or arrangement entered into or to be entered into between the Company and any other company where any of the Directors of the Company or two or more of the Directors together holds or hold not more than two per cent of the paid-up share capital in the other company. 109. Interested Directors not to participate or vote in Boards proceedings An interested director who is in any way whether by himself or through any of his relatives or firm body corporate or other association of individuals in which he or any of his relatives is a partner director or a member interested in a contract or arrangement or proposed contract or arrangement entered into or to be entered into by or on behalf of a company shall take any part in the discussion of or vote on any contract or arrangement entered into or to be entered into by or on behalf of the Company if he is in any way whether directly or indirectly concerned or interested in such contract or arrangement nor shall his presence count for the purpose of forming a quorum at the time of any such discussion or vote and if

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he does vote his vote shall be void. A contract or arrangement entered into by the company without disclosure or with participation by a director who is concerned or interested in any way directly or indirectly in the contract or arrangement shall be voidable at the option of the company.110.Register of Contracts in which Directors are interested The company shall keep registers in accordance with Section 189(1) giving separately the particulars of all contracts or arrangements to which to matter of disclosure of interest by directors and related party transaction applies in such manner and containing such particulars as may be prescribed and after entering the particulars such registers shall be placed before the next meeting of the Board and signed by all the directors present at the meeting and shall with in thirty days of appointment make such disclosure as are necessary for the purpose of same. The Register shall be kept at the Registered office of the Company and shall be open to inspection at such office shall be open for inspection at such office during business hours and extracts may be taken there from and copies thereof as may be required by any member of the company shall be furnished by the company to such extent in such manner and on payment of same fee as in the case of the Register of Members of the Company. 111. Director may be Director of companies promoted by the Company A Director may become a Director of any other company promoted by the Company or in which it may be interested as a vendor shareholder or otherwise and no such Director shall be accountable for any benefits received as Director or shareholder of such a company except in so far as Section 188 of the Act may be applicable. 112. Register of Directors and key managerial personnel and their Shareholding The Company shall keep at its registered office a Register containing such particulars of its Directors and key managerial personnel Manager as may be prescribed under Section 170 of the Act and shall comply with the provisions of the said Section in all respects. The register shall include the details of securities held by each of them in the company or its holding subsidiary subsidiary of companys holding company or associate companies.

- 113. Meetings of Directors The Directors may meet together as a Board for the dispatch of business from time to time so that at least four such meetings shall be held in every year in such a manner that not more than one hundred and twenty days shall intervene between two consecutive meetings of the Board. The Directors may adjourn and regulate their meetings as they think fit.
- 114. Board may appoint Chairman All meetings of the Directors shall be presided over by the Chairman if present but if at any meeting of

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the Directors the Chairman is not present at the time appointed for holding the same then in that case the Directors shall choose one of the Directors present to preside over the meeting.

- 115. Certain persons not to be appointed Chairman Managing Directors Functional Director The Company shall not appoint a person as its Chairman Managing Director or Whole-time Director who-(a) is an undischarged insolvent or had at any time been adjudged an insolvent (b) is or has at any time been convicted by a Court of an offence involving moral turpitude.
- 116. Notice of Directors Meeting A meeting of the Board shall be called by giving not less than seven days notice in writing to every director at his address registered with the company and such notice shall be sent by hand delivery or by post or by electronic means. Board may be called at shorter notice to transact urgent business where at least one independent director if any shall be present. Every notice convening a meeting of the Board of Directors shall set out the agenda of the business to be transacted thereat insufficient detail provided however that the meeting may consider any other business with the permission of the chair.
- 117. When meeting to be convened The Company Secretary or any director of the Company may as and when directed by the Chairman to do so convene a meeting of the Board by giving a notice inwriting to every Director.
- 118. Quorum at Board Meeting No business shall be transacted at any Board meeting unless a quorum of Board of Director is present at the time when the meeting proceeds to business. Save as otherwise provided herein the quorum for the Board meetings shall be as provided in section 174.
- 119. Questions at Board meetings how to be decided All questions arising at a Meeting of the Board or any committee thereof shall be decided by majority of votes of directors present and in case of equality of votes the Chairperson shall have a second and casting vote.
- 120. Committee of Board Subject to the restrictions contained in Section 179 180 and other applicable provisions of the Act and preceding Articles the Board may delegate any of its powers to Committees of the Board consisting of such member or members of its body as it may think fit. PROVIDED that the Board may from time to time revoke modify and discharge any such Committee of the Board either wholly or in part. Every Committee of the Board so formed shall in the exercise of the powers so delegated conform to any Policy regulations that may from time to time be laid down by the

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Board. All acts done by any such Committee of the Board in conformity with such regulations and in fulfillment of the purposes of their appointment shall have the like force and effect as if done by the Board.

- 121. Meeting of Committee how to be Governed The meetings and proceedings of any such Committee of the Board consisting of two or more members shall be governed by the provisions of the act and guidelines laid down for regulating the meetings and proceedings of the Directors so far as the same are applicable thereto and are not superseded by any regulations made by Directors under the last preceding Article.
- 122. Resolution by circulation No resolution on matters shall be deemed to have been duly passed by the Board or by a Committee thereof by circulation unless the resolution has been circulated indraft together with the necessary papers if any to all the Directors or members of the Committee as the case may be at their addresses registered with the company in India by hand delivery or by post or by courier or through such electronic means as may be prescribed and has been approved by a majority of the directors or members who are entitled to vote on the resolution. Resolution passed in such circulation shall be made part of the minutes of such meeting. Provided that where not less than one-third of the total number of directors of the company for the time being require that any resolution under circulation must be decided at a meeting the chairperson shall put the resolution to be decided at a meeting of the Board. 123. Defects in appointment of Directors not to invalidate actions taken All acts done by any meeting of the Board or by a Committee of the Board or by any person acting as a Director shall notwithstanding that it was subsequently noticed that there was some defect in the appointment of such Director or persons acting as aforesaid or that they or any of them were disqualified or had vacated office or that the appointment of any of them had been terminated by virtue of any provisions contained in the Act or these Articles be as valid as if every such person had been duly appointed and was qualified to be a Director and had not vacated his office or his appointment had not been terminated. PROVIDED that nothing in this Article shall be deemed to give validity to acts done by a Director after his appointment had been noticed by the Company to be invalid or to have terminated. 124. Minutes of proceedings of meetings of the Board (a) The Company shall cause minutes of all proceedings of every meeting of the Board and committee thereof to be kept by making within thirty days of the conclusion of every such meeting

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record thereof in Minute Book kept for that purpose with their pages consecutively numbered. (b) Each page of every such book shall be initialed or signed and the last page of the record of proceedings of each meeting in such book shall be dated and signed by the Chairman of the said meeting or the Chairman of the next succeeding meeting. The minute books of the Board and committee meetings shall be preserved permanently and kept in the custody of the company secretary of the company or any director duly authorized by the Board for the purpose and shall be kept in the registered office or such place as Board may decide. The minutes shall also contain- (i) the names of the Directors present at the meeting And (ii) in the case of each resolution passed at the meeting the names of the Directors if any dissenting from or not concurring with the resolution. Nothing deemed to require the inclusion in any such minutes of any matter which in the opinion of the Chairman of the meeting (i) is or could reasonably be regarded as defamatory of any person. (ii) is irrelevant or immaterial to the proceedings or (iii) is detrimental to the interests of the Company. The Chairman shall exercise an absolute discretion in regard to the inclusion or non-inclusion of any matter in the minutes on the grounds specified in this sub-clause. (c) Minutes of meetings kept in accordance with the aforesaid provisions shall be evidence of the proceedings recorded therein. 125. Powers of Board The Board may exercise all such powers of the Company and do all such acts and things as it is entitled to do under section 179 of the Act and rules made thereunder or by the Memorandum or Articles of the Company but shall not decide matters required to be exercised or done by the Company in General Meeting Subject to these Articles no regulation made by the Company in General Meeting shall invalidate any prior act of the Board which would have been valid if that regulation had not been so made. Certain powers of the Board Without prejudice to the general powers conferred by the Act and preceding Article and so as not in any way to limit or restrict those powers and without prejudice to the other powers conferred by these Articles and by General Body it is hereby declared that the Directors shall have the following powers that is to say power-(1) to pay and charge to the capital account of the Company any commission or interest lawfully payable there out under the provisions of Sections 40 of the Act (2) Subject to Sections 179 and 180 of the Act to purchase or otherwise acquire for the Company any property rights or privileges which the Company is authorised to acquire at or for such price or consideration and generally on such terms and conditions as they may think fit and in any such purchase

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or other acquisition to accept such title as the Directors may believe or may be advised to be reasonably satisfactory (3) At their discretion and subject to the provisions of the Act to pay for any property rights or privileges acquired by or services rendered to the Company either wholly or partially in cash or in shares bonds debentures mortgages or other securities of the Company and any such shares may be issued either as fully paid-up or with such amount credited as paid-up thereon as may be agreed upon and any such bonds debentures mortgages or other securities may be either specially charged upon all or any part of the property of the Company and its uncalled capital or not so charged (4) To secure the fulfillment of any contract or engagement entered into by the Company in the normal course of business by mortgage or charge any of the property of the Company and its uncalled capital for the time being or in such manner as they may think fit (5) To accept from any Member as far as may be permissible by law a surrender of his shares or any part thereof on such terms and conditions as shall be agreed upon (6) To appoint any person to accept and hold in trust for the Company any property belonging to the Company in which it is interested or for any other purposes and to execute and do all such deeds and things as may be required in relation to any such trust and to provide for the remuneration of such trust or trustees (7) To institute conduct defend compound or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and allow time for payment or satisfaction of any debts due and of any claim or demand by or against the Company and to refer any differences to arbitration and observe and execute any awards made thereon (8) To act on behalf of the Company in all matters relating to bankruptcy and insolvency (9) To make and give receipts releases and other discharges for moneys payable to the Company and for the claims and demands of the Company (10) Subject to applicable provisions of the Act to invest and deal with any moneys of the Company not immediately required for the purposes thereof upon such security(not being shares of this Company) or without security and in such manner as they may think fit and from time to time to vary or realise such investments. Save as provided in Section 187 of the Act all investments shall be made and held in the Companys own name (11) To execute in the name and on behalf of the Company in favour of any Director or other person who may incur or going to incur any personal liability whether as principal or surety for the benefit of the Company such mortgages of the Companys property (present and future)as they think fit and any

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such mortgage may contain a power of sale and such other powers provisions covenants as shall be agreed upon (12) To open account with any bank or banks and to determine from time to time who shall been titled to sign on the Companys behalf bills notes receipts acceptances endorsements cheques dividend warrants releases contracts and documents and to issue the necessary authority for such purpose (13) To distribute by way of bonus or commission amongst the staff of the Company on the profits of any particular business or transaction and to charge such bonus or commission as part of the working expense of the Company (14) To provide for the welfare of employees or ex-employees of the Company and their families or connections of such persons by building or contributing to the building of houses dwellings or chawls or by grants of money pension gratuities allowances bonus or other payments or by creating and from time to time subscribing or contributing to provident and other funds associations institutions or trusts and by providing or subscribing or contributing towards places of instrument and recreation hospitals and dispensaries medical and other attendance and other assistance as the Board shall think fit and to subscribe or contribute or otherwise to assist or to guarantee money to charitable benevolent religious scientific national or other institutions or objects which shall have any moral or other claim to support or aid by the Company either by reason of locality of operation or of public and general utility or otherwise (15) Before recommending any dividend to set aside out of the profits of the Company such sums as they may think proper for depreciation or to a Depreciation Fund or to an Insurance Fund or as a Reserve Fund or Sinking Fund or any Special Fund to meet contingencies or to repay debentures or debenture stock or for special dividends or for equalizing dividends or for repairing improving extending and maintaining any of the property of the Company and for such other purposes (including the purposes referred to in the preceding clause) as the Board may in their absolute discretion think conducive to the interest of the Company and subject to Section 179 of the Act to invest the several sums so set aside or so much thereof as required to be invested upon such investments(other than shares of the Company) as they may think fit and from time to time to deal with and vary such investments and dispose of and apply and expend all or any part thereof for the benefit of the Company in such manner and for such purposes as the Board in their absolute discretion think conducive to the interest of the Company notwithstanding that the matters to which the Board apply or upon which they expend the same or any

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part thereof may be matters to or upon which the capital moneys of the Company might rightly be applied or expended and to divide the Reserve Fund or division or a reserve Fund to another Reserve Fund or division of a Reserve Fund and with full power to employ the assets constituting all or any of the above funds including the Depreciation Fund in the business of the Company or in the purchase or repayment of Debentures or debenture stock and without being bound to keep the same separate from the other assets and without being bound to pay interest on the same with power however to the Board at their discretion to pay or allow to the credit of such funds interest at such rate as the Board may think proper (16) To appoint and at their discretion remove or suspend such officers such as Executive Director general managers managers secretaries assistants supervisors clerks agents and servants etc. for permanent temporary or special services as they may from time to time think fit and to determine their powers and duties and fix their salaries or emoluments or remunerations and to require security in such instances and to such amounts as they may think fit. And also from time to time to provide for the management and transaction of the affairs of the Company in any specified locality in India or abroad in such manner as they think fit and the provisions contained in the following sub-clauses shall be without prejudice to the general powers conferred by this sub clause (17) From time to time and at any time to establish any number of offices and establishment for properly managing the affairs of the Company in any specified locality in India or elsewhere and to appoint staff for such offices and to fix their remuneration (18)Subject to the provisions of the Act from time to time and at any time to delegate to any such local Board or any member or members thereof or any managers or agents so appointedor to any other person(s) any of the powers authorities and discretions for the time being vested in the Board and to authorise the members for the time being of any such local Board or any of them to fill up any vacancies therein and to act notwithstanding vacancies and any such appointment or delegation under the preceding and this sub-clause may be made on such terms and subject to such conditions as the Board may think fit and the Board may at any time remove any person so appointed and may annul or vary any such delegation (19) At anytime and from time to time by Power of Attorney under the Seal of the Company to appoint any person or persons to be the Attorney or Attorneys of the Company for such purposes and with such powers authorities and discretions (not exceeding those vested in or exercisable by the Board under

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these presents and excluding the power to make calls and excluding also those which are to be exercised by the Board in its Meetings) and for such period and subject to such conditions as the Board may from time to time think fit and any such appointment may (if the Board thinks fit) be made in favour of the members or any of the members of any local Board established as aforesaid or in favour of any company or the shareholders directors nominees or managers or any company or firm or otherwise in favour of any persons whether appointed by name or designation by the Board and any such Power of Attorney may contain such powers for the protection or convenience of such Attorney as the Board may think fit and Board may specifically bestow powers enabling any such delegate or attorneys to sub-delegate all or any of the powers authorities and discretions for the time being vested in them (20) Subject to Sections 188 of the Act for or in relation to any of the matters aforesaid or otherwise for the purposes of the Company to enter into such negotiations and contracts and rescind and vary such contracts and execute and do all such acts deeds and things in the name and on behalf of the Company as they may consider expedient (21) From time to time to make vary and repeal bye-laws for the regulations of the business of the Company regulate employment of its officers and servants by making service Rules and Regulations (22)Maintain proper records at places as per provisions of the Act and where the Company has a branch office whether in or outside India the Company shall be deemed to have complied with this Article if proper Books of Account relating to the transactions effected at the branch office are kept at the branch office and proper summarized returns made up-to-date at intervals of not more than three months are sent by the branch office to the Company at its Office or other place in India at which the Companys Books of Accounts are kept as aforesaid (23) Ensure proper maintenance of the Books of Account which shall give a true and fair view of the state of the affairs of the Company or branch office as the case may be and explain its transactions. The Books of Account and other books and papers shall be open to inspection by any Director during business hours.

- 126. CEO MANAGER CS AND CFO Subject to the provisions of the Act -- (i) A chief executive officer manager company secretary or chief financial officer may be appointed by the Board for such term at such remuneration and upon such conditions as it may thinks fit and any chief executive officer manager company secretary or chief financial officer so appointed may be removed by means of a resolution of the Board (ii) A director may be appointed as chief executive officer

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manager company secretary or chief financial officer. Asper provisions of the Act or these regulations requiring or authorising a thing to be done by or to a director and chief executive officer manager company secretary or chief financial officer shall not be satisfied by its being done by or to the same person acting both as director and as or in place of chief executive officer manager company secretary or chief financial officer.

- 127. The Seal its custody and use The Board shall provide a Common Seal for the purpose of the Company and shall have power from time to time to destroy the same and substitute a new Seal in lieu thereof and the Board shall provide for the safe custody of the Seal for the time being and the seal shall never be used except on the authority of the Board or by Committee of the Board as authorised. 128. Deeds how executed Every deed or other instrument to which the Seal of the Company is required to be affixed shall unless the same is executed by a duly constituted attorney issued under the seal be signed by two Directors or one Director and Secretary or some other person authorised by the Board for the purpose PROVIDED that in respect of the Share Certificate the Seal shall be affixed in accordance with Article as mentioned above.
- 129. Division of profits and dividends in proportion to amount paid-up (a) The profits of the Company subject to any special rights relating thereto created or authorised to be created by these Articles and subject to the provisions of these Articles shall be divisible among the Members in proportion to the amount of capital paid-up or credited as paid-up on the shares held by them.(b)All dividends shall be apportioned and paid proportionately to the amounts paid or credited as paid on the shares held during any portion or portions of the period in respect of which the dividend is paid but if any share is issued on terms providing that it shall rank for dividend from a particular date such share shall rank for dividend accordingly.
- 130. The Company in General Meeting may declare a dividend Company in General Meeting may declare dividends to be paid to Members according to their respective rights but no dividends shall exceed the amount recommended by the Board but the Company in General Meeting may declare a smaller dividend.
- 131. Dividends only to be paid out of Profits (a) No dividend shall be declared or paid by the Company for any financial year except out of its profits for that year arrived at in the manner set out in Section 123 of the Act. (b) Where owing to inadequacy or absence of profits in any financial year any Company proposes to declare dividend out of the accumulated profits earned by it in previous years and transferred

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by the company to reserves such declaration of dividend shall not be made except in accordance with such rules as may be made in that behalf. (c) No dividend shall be declared or paid by a company from its reserves other than free reserves.

- 132. Interim Dividend Subject to the provisions of Section 123 the Board may from time to time pay the Members such interim dividend as appear to it to be justified by the profits of the Company.
- 133. Capital paid - up in advance to carry Interest Where capital is paid in advance of calls such capital may carry interest but shall not in respect thereof confer a right to dividend or participate in profits.
- 134. Retention of dividends until completion of transfer The Board may retain the dividends payable on shares in terms of Section 126 in respect of which any person is entitled to become a Member or on completion any person under those Articles is entitled to transfer or until such person shall become a Member in respect of such shares or shall duly transfer the same.
- 135. Transfer of shares must be Registered A transfer of shares shall not pass the right to any dividend declared thereon before the registration of transfer. Provided that where any instrument of transfer of shares has been delivered to the Company for registration and the transfer of such shares has not been registered by the Company it shall notwithstanding anything contained in any other provision of this Act. (a) transfer the dividend in relation to such shares to the Unpaid Dividend Account referred to in Section 124 of the Act unless the Company is authorised by the registered holder of such shares in writing to pay such dividend to the transferee specified in such instrument of transfer and (b) keep in abeyance in relation to such shares any offer of rights shares under clause(a) of sub-section (1) of section 62 of the Act and any issue of fully paid-up bonus shares in pursuance of first proviso to sub-section (5) of section 123 of the Act.
- 136. No Member to receive dividend whilst indebted to the Company Companys right of reimbursement Thereon No Member shall be entitled to receive payment as interest or dividend in respect of his shares whilst any money may be due or owing from him to the Company in respect of such share or shares or otherwise howsoever either alone or jointly with any person or persons and the Board may deduct from the interest or dividend payable to any Member all sums of money so due from him to the Company.
- 137. Dividends how remitted (1) Unless otherwise directed any dividend payable in cash may be paid by cheque or warrant or in any electronic mode or by a pay slip or receipt or in any other manner

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having the force of a cheque or warrant sent through the post to the registered address of the Member or person entitled or in case of joint holders to that one of them first named in the Register in respect of the joint holdings. Every such cheque or warrant shall be made payable to the order of the person to whom it is sent the Company shall not be liable or responsible for any cheque or warrant or pay slip or receipt lost in transmission or for any dividend lost to the Member or person entitled thereto by the forged endorsement of any cheque or warrant or the forged signature of any pay slip or receipt or the fraudulent recovery of the dividend by any other means. (2) Notwithstanding anything contained in these Articles any dividend declared maybe paid by Electronic Clearing System through any Sponsor Bank after getting registration with the Reserve Bank of India for using this facility and collecting from the members necessary bank mandate in the prescribed format.138.Dividends and call together Any General Meeting declaring a dividend may on the recommendation of the Board make a call on the Members of such amount as the meeting may fix but so that the call on each Member shall not exceed the dividend payable to him and so that the call be made payable at the same time as the dividend and the dividend may if so arranged between the Company and the Member be set off against the calls. 139. Unclaimed dividend No unclaimed dividend shall be forfeited and all unclaimed dividends shall be dealt with in accordance with the provisions of Section 124 and other applicable provisions of the Act. 140. No interest against Dividend No dividend shall bear interest against the company.

- 141. Directors to keep true accounts (a) Every company shall prepare and keep at its registered office including its branch office or offices or at such other place in India as the Board thinks fit Books of Accounts and other relevant books and papers and financial statement for every financial year which give a true and fair view of the state of the affairs of the company in accordance with Section 128 of the Act with respect to-(i) all sums of money received and expended by the Company and the matters in respect of which the receipts and expenditure take place (ii) all sales and purchases of goods by the Company (iii) the assets and liabilities of the Company. (iv) state of affairs of the company. (b) Where the Board decides to keep all or any of the Books of Account at any place other than the Office of the Company the Company shall within seven days of the decision file with the Registrar a Notice in writing giving the full address of that other place in accordance with Section 128 of the Act. (c) The company may keep such books of account or other relevant

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papers in electronic mode in such manner as may be prescribed. (d) The Company shall preserve in good order the Books of Account relating to a period of not less than eight financial years immediately preceding a financial year. The books of account and other relevant books and papers maintained in electronic mode shall remain accessible in India so as to be usable for subsequent reference together with the vouchers relevant to any entry in such Books of Account. 142. Inspection of accounts or record by members No Member (not being a director) shall have any right of inspecting any account or books or documents of the Company except as conferred by Section 94 of the Act or authorised by the Board or by the company in general meeting. The Board may determine whether and to what extent and at what time and place and under what conditions or regulations the accounts and books of the Company or any of them may be open to inspection of the Members. Notwithstanding anything to the contrary contained hereinabove the authorised representative of Promoters shall have a right to inspect the accounts books plant facility documents records premises equipment and machinery and all other property of the Company at convenient time(s) after giving advance notice to the Company. 143. Statement of Accounts to be furnished to General Meeting The Directors shall from time to time in accordance with Sections 129 and 134 and other applicable provisions of the Act cause to be prepared and to be laid before the Company in General Meeting such Balance Sheets Profit and Loss Accounts and Reports as are required by these Sections. 144. Copies shall be sent to each Member Without prejudice to the provisions of Section 101 and subject to the provisions of Section 136 of the Act a copy of the financial statements including consolidated financial statements auditors report and every other document required by law to be annexed or attached to the Balance Sheet shall at least twenty-one days before the General Body Meeting at which the same are to be laid before the members be sent to the members of the company to every trustee for every holder of any debenture issued by the company and to all persons other than such members or trustee being the person so entitled to attend the General Body Meeting. 145 .Copy of financial statement to be filed with registrar The Company shall comply with Section 137 of the Act as to filing copies of the Balance Sheet and Profit and Loss Account and documents required to be annexed or attached thereto with the Registrar.

- 146. Procedure for winding up If the Company shall be wound up and the assets available for distribution among the members as such shall

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be insufficient to repay the whole of the paid up capital such assets shall be distributed so that as nearly as may be the losses shall be borne by the members in proportion to the capital paid up or which ought to have been paid up at the commencement of the winding-up on the shares held by them respectively. And if in a winding-up the assets available for distribution among the members shall be more than sufficient to repay the whole of the capital paid up at the commencement of the winding-up the excess shall be distributed amongst the members in proportion to the capital at the commencement of the winding-up paid up or which ought to have been paid up on the shares held by them respectively. But this Article is to be without prejudice to the rights of the holders of shares issued upon special terms and conditions. If the Company shall be wound up whether voluntarily or otherwise the liquidators may with the sanction of a Special Resolution divide among the contributions in specie or kind any part of the assets of the Company and may with the like sanction vest any part of the assets of the Company in Trustees upon such trusts for the benefit of the contributories or any of them as the liquidators with the like sanction shall think fit.

- 147. Officers to be indemnified Subject to provisions of the Act every Officer of the company shall be indemnified out of the assets of the Company against any liability incurred by him in defending any proceedings whether civil or criminal in which judgment is given in his favour or in which he is acquitted or in which relief is granted to him by the court or the Tribunal. Provided that if such person is proved to be guilty the premium paid on such insurance shall be treated as part of the remuneration.
- 148. Company not bound to recognize holding of shares on trust or any interest in shares other than that of registered holder Except as ordered by a Court of competent jurisdiction or as required by law the Company shall not be bound to recognize holding of any share upon any trust and to recognize any equitable contingent future or partial interest in any share or any interest in any fractional part of a share (except only as is by these Articles otherwise expressly provided) any right in respect of a share other than an absolute right thereto in accordance with these Articles in the person from time to time registered as the holder thereof but the Board shall be at liberty at their sole discretion to register any share in the joint names of any two or more persons or the survivor or survivors of them. 149. Funds etc. of Company may not be applied in purchase of shares of the Company The Company shall not give either directly or indirectly and either by means of a loan guarantee the provision of security or

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otherwise any financial assistance for the purpose of or in connection with the purchase or subscription made or to be made by any person for purchase of any shares in the Company except in conformity with the provisions of Section 67 of the Act. 150. Underwriting and Brokerage Commission may be paid Subject to the provisions of Section 40 of the Act the Company may at any time pay a commission to any person in consideration of his subscribing or agreeing to subscribe for any shares in or debentures of the Company or procuring or agreeing to procure subscriptions for any shares in or debentures of the Company but so that the commission shall not exceed in case of shares five percent of the price at which the shares are issued and in case of debentures two and a half percent of the price at which the debentures are issued. Such commission may be satisfied by payment in cash or by allotment of fully or partly paid shares or debentures or partly in one way and partly in the other. Brokerage The Company may also on any issue of shares or debentures pay such brokerage as may be lawful. 151. Interest out of Capital Interest maybe paid out of capital Where any shares are issued for the purpose of raising money to defray the expenses of the construction of any work or building or the provision of any plant which cannot be made profitable for a lengthy period the Company may pay interest on so much of that share capital as is for the time being paid up for the period at the rate and subject to the conditions and restrictions provided by the Company Act 2013 and may charge the same to capital as part of the cost of construction of the work or building or the provision of plant. 152. Annual Returns The Company shall comply with the provisions of Sections 92 of the Act as to the making of Annual Returns. 153. Borrowing powers As per the provisions of Section 73 76 179 180 and other applicable provisions of the Act the Board of Directors may from time to time at its discretion by resolution at a meeting of the Board and subject to the approval of the shareholders in General Meeting accept deposits from Members either in advance of calls or otherwise and generally raise or borrow or secure the payment of any sums of money for the purpose of the Company. Provided however where the moneys already borrowed (apart from temporary loans obtained from the Companys bankers in the ordinary due course of business) exceed the aggregate of the paid-up capital of the Company its free reserves (not being reserves set apart for any specific purpose) and the securities premium the Board shall not borrow such moneys without the consent of the Company in General Meeting. Payment or repayment of borrowed Moneys Subject to the provisions of Article

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64 hereof the payment and repayment of moneys borrowed as aforesaid may be secured in such manner and upon such terms and conditions in all respects as the Board of Directors may think fit by resolutions passed at a meeting of the Board and in particular by the issue of bonds or debentures of the Company whether unsecured or secured by a mortgage or charge over all or any part of the property of the Company (both present and future) including its uncalled capital for the time being and debentures and other securities may be made assignable free from any equities between the Company and the person to whom the same may be issued. Terms of issue of Debentures Any debentures or other securities may be issued or otherwise and may be issued on condition that they shall be convertible into shares of any denomination and with any privileges and conditions to redemption surrender drawing allotment of shares and attending (but not voting) at General Meetings. Debentures with the right to conversion into or allotment of shares shall be issued only with the consent of the Company in General Meetings accorded by special resolution. Register of charges to be Kept The Board shall cause a proper Register to be kept in accordance with the provisions of Section 85 of the Act of all charges and floating charges affecting the property or assets of the Company or any of its undertakings and shall cause the requirements of Sections 77 79 and 81 to 87 (both inclusive)of the Act in that behalf to be duly complied with so far as they are required to be complied with by the Board .Register of Debenture holders The Company shall if at any time it issues debentures keep a Register and Index of Debenture holders in accordance with Section 88 of the Act. The Company shall have the power to keep in any Country outside India a Register of Debenture holders residing outside India in such manner as may be prescribed. Application to Debentures and other securities The provisions of the Articles shall apply mutatis mutandis to debentures bonds or other securities issued by the company. 154. Dematerialization of Securities Definitions For the purpose of this Article Depository means a depository as defined in clause (e) of sub-section (1) of section 2 of the Depositories Act 1996. Beneficial Owner means a person or persons whose name is recorded in the Register maintained by a Depository under the Depository Act 1996. SEBI means the Securities and Exchange Board of India established under section 3 of the Securities Exchange Board of India Act 1992. Securities means the securities as defined in clause (h) of section 2 of the Securities Contracts (Regulation) Act 1956 Dematerialization of Securities Notwithstanding anything contained in these Articles the

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Company shall be entitled to dematerialize its existing securities rematerialize its securities held in the Depositories and or offer its fresh securities in dematerialized form pursuant to the provisions of the Depositories Act 1996 and the rules framed there under if any. Option for investors Every person subscribing to or holding securities of the Company shall have the option to receive securities certificates or to hold the securities with the Depository. Such a person who is the beneficial owner of the securities can at any time optout of the Depository if permitted by the law in respect of any security in the manner and within the time prescribed issued to the beneficial owner the required certificate of the securities. If a person opts to hold his securities with a Depository the Company shall intimate such Depository the details of allotment of the security and on receipt of the information the depository shall enter in its records the name of the allottees as the beneficial owner of the securities. Securities in Depository to be in Fungible Form All securities held by a Depository shall be dematerialized and be in fungible form. Nothing contained in Section 88 89 112 and 186 of the Act shall apply to a Depository in respect of the securities held by it on behalf of the Beneficial Owners. Rights and Liabilities of Beneficial Owner (a) Notwithstanding anything to the contrary contained in the Act or these Articles a Depository shall be deemed to be the registered owner for the purposes of effecting transfer of ownership of security on behalf of the beneficial owners. (b) Save as otherwise provided in (a) above the Depository as the registered owner of the securities shall not have any voting rights or any other rights in respect of the securities held by it. (c) Every person holding securities of the Company and whose name is entered as the beneficial owner in the records of the Depository shall be deemed to be a member of the Company. The beneficial owner of securities shall be entitled to all the rights and benefits and be subject to all the liabilities in respect of his securities which are held by a Depository. Service of Documents Notwithstanding anything to the contrary contained in the Act or Articles to the contrary where securities are held in a Depository the records of the beneficial ownership may be served by such Depository on the Company by means of electronic mode or by delivery of floppies or discs . Provisions of Articles to apply to shares held in Depository Nothing contained in Section 56 of the Act or these Articles shall apply to a transfer of securities effected by a transferor and transferee both of whom are entered as beneficial owners in the records of a Depository. Allotment of Securities dealt within a Depository Notwithstanding anything in the Act or these Articles

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where securities are dealt with by the Depository the Company shall intimate the details thereof to the Depository immediately on allotment of such securities. Distinctive numbers of securities held in the depository Mode Nothing contained in the Act or these Articles regarding the necessity of having distinctive numbers on securities issued by the Company shall apply to securities held with a Depository. Register and Index of Beneficial Owners The Register and Index of Beneficial Owners maintained by a Depository under the Depositories Act 1996 shall be deemed to be the Register and Index of member and security holder for the purpose of these Articles. 155. Conversion of Shares into Stock and Reconversion Shares may be converted into stock and reconverted The Company in General Meeting may convert any paid up shares into stock and when any shares shall have been converted into stock the several holders of such stock may henceforth transfer their respective interest therein or any part of such interest in the same manner and subject to the same regulations as if no such conversion had taken place or as near thereto as circumstances will admit. The Company may at any time reconvert any stock into paid-up shares. Rights of stock holders The holders of stock shall according to the amount of stock held by them have the same rights privileges and advantages as regards dividends voting at meetings of the Company and other matters as if they held the shares from which the stock arose. 156 .Audit Accounts to be audited The Auditors of the Company shall be appointed or reappointed by the Comptroller and Auditor General of India and their remuneration rights and duties shall be regulated by Section 139 to 143 and 145 to 148 of the Act. Powers of the Comptroller and Auditor General of India The Comptroller and Auditor General of India shall have the powers- (a) to direct the manner in which the Companys accounts shall be audited by the auditors appointed in pursuance of Article hereof and to give such auditors instruction in regard to any matter relating to the performance of their functions as such. (b) to conduct a supplementary or test audit of the financial statement of the Company by such person or persons as he may authorize in this behalf and for the purposes of such audit to have access at all reasonable times to all accounts account books vouchers documents and other papers of the Company and to require information or additional information to be furnished to any person or persons so authorized on such matters by such person or persons and in such form as the Comptroller and Auditor General may by general or special order direct. Comments upon or supplement to audit report by the Comptroller Auditor General of India to be placed

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before the annual general meeting The auditors aforesaid shall submit a copy of his her audit report to the Comptroller and Auditor General of India who shall have the right to comment upon or supplement such audit report in such manner as he may think fit. Any such comments upon or supplement to the audit report shall be placed before the Annual General Meeting of the Company at the same time and in the same manner as the audit report. 157. Service of Documents Manner of Service of Documents A document or notice may be served or given by the Company to any Member either through speed post registered post or through electronic mode to his registered address or (if he has no registered address in India) to the address if any in India supplied by him to the Company for serving documents or notices on him. Notice is to be sent by the company through its authorized and secured computer programme which is capable of producing confirmation and keeping record of such communication addressed to the person entitled to receive such communication at the last electronic mail address provided by the member. The notice may be sent through e-mail as a text or as an attachment to e-mail or as a notification providing electronic link or Uniform Resource Locator for accessing such notice through in-house facility or its registrar and transfer agent or authorise any third party agency providing bulk e-mail facility. When notices or documents served on Members Where a document or notice is sent by post service of the document or notice shall be deemed to be effected by properly addressing prepaying and posting a letter containing the document or notice. When notice or notifications of availability of notice are sent by e-mail the company should ensure that it uses a system which produces confirmation of the total number of recipients e-mailed and a record of each recipient to whom the notice has been sent and copy of such record and any notices of any failed transmissions and subsequent re-sending shall be retained by or on behalf of the company as proof of sending. Provided that the member shall provide the updated email address to the company and for that company will provide an advance opportunity at least once in a financial year to the member to register his e-mail address and changes therein and such request may be made by only those members who have not got their email id recorded or to update a fresh email id. Notice will also be simultaneously updated in the website of the company. By Advertisement A document or notice advertised in a newspaper circulating in the neighbourhood of the Registered Office shall be deemed to be duly served or sent on the day on which the

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advertisement appears on or to every Member who has no registered address in India and has not supplied to the Company an address within India for the serving of documents on sending the notices to him. Explanatory Statement of material facts under Section 102 need not be advertised but it will be mentioned in the advertisement that the Statement has been forwarded to the Members. On personal representatives etc. A document or notice may be served or given by the Company on or to the persons entitled to a share in consequence of the death or insolvency of a Member by sending it through the post in prepaid letter addressed to them by name or by the title of representative of the deceased or assignee of the insolvent or by any like description at the address (if any) in India supplied for the purpose by the persons claimed to be entitled or until such an address has been so supplied by serving the document or notice in any manner in which the same might have been given if the death or insolvency had not occurred. To whom documents or notices must be served or given Documents or notices of every General Meeting shall be served or given in same manner as herein before or to (a) every member of the company legal representative of any deceased member or the assignee of an insolvent member (b) the auditor or auditors of the company and (c) every director of the company. Members bound by documents or notices served on or given to previous holders Every person who by operation of law transfer or other means whatsoever shall become entitled to any share shall be bound by every document or notice in respect of such share which previously to his name and address being entered in the Register of Members shall have been duly served on or given to the person from whom he derives his title to such shares. Documents or notice by Company and signature thereto Any document or notice to be served or given by the Company may be signed by a director or key managerial personnel or an officer of the company duly authorised by the Board in this behalf. Service of document or notice by Member All documents or notices to be served or given by Members on or to the Company or any officer thereof shall be served or given by sending it to the Company or Officer at the Office by post or through electronic mode under a certificate of posting or by registered post or through email. 158. Secrecy (a) Every Director Manager Auditor Treasurer Trustee member of a committee officer servant agent accountant or other person employed in the business of the Company shall if so required by the Directors before entering upon his duties sign a declaration pledging himself to observe strict secrecy respecting all transactions and affairs of the Company with the

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customers and the state of the accounts with individuals and in matters relating thereto and shall by such declaration pledge himself not to reveal any of the matters which may come to his knowledge in the discharge of his duties except when required so to do by the Directors or by law or by the person to whom such matters relate and except so far as may be necessary in order to comply with any of the provisions in these presents contained. (b) No Member shall be entitled to visit or inspect any work of the Company without the permission of the Directors or to require discovery of or any information respecting any details of the Companys trading or any matter which is or maybe in the nature of a trade secret mystery of trade secret process or any other matter which may relate to the conduct of the business of the Company and which in the opinion of the Directors it would be in expedient in the interest of the Company to disclose.159.Copies of Memorandum and Articles of Association to be sent by the Company Copies of the Memorandum and Articles of Association of the Company and other documents referred to in Section 17 of the Act shall be sent by the Company to every Member at his request within seven days of the request on payment of such fees as maybe prescribed.

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A. MAIN objects TO BE PURSUED BY THE COMPANY ON IT'S INCORPORATION ARE:

1. To develop Power System Network

To plan, promote and develop an integrated and efficient power transmission system network in all its aspects including planning, investigation, research, design and engineering, preparation of preliminary, feasibility and definite project reports, construction, operation and maintenance of transmission lines, sub-stations, load dispatch stations and communication facilities and appurtenant works, coordination of integrated operation of state, regional and national grid system, execution of turn-key jobs for other utilities/organizations and wheeling of power in accordance with the policies, guidelines and objectives laid down by the Central Government from time to time.

2. To study, investigate, collect information and data

To study, investigate, collect information and data, review operation, plan, research, design and prepare Report, diagnose operational difficulties and weaknesses and advise on the remedial measures to improve, undertake development of new and innovative product connected with business of the Company as well as modernize existing EHV, HV lines and Sub-Stations.

3. To act as Consultants/ Technical Advisers of public/ private sector enterprises etc.

To act as consultants, technical advisors, surveyors and providers of technical and other services to Public or Private Sector enterprises engaged in the planning, investigation, research, design and preparations of preliminary, feasibility and definite project reports, manufacture of power plant and equipment, construction, generation, operation and maintenance of power transmission system from power generating stations and projects, transmission, distribution and sale of power.

B. MATTERS WHICH ARE NECESSARY FOR FURTHERANCE OF THE OBJECTS SPECIFIED IN CLAUSE III (A) ARE:-

1. To obtain authority etc. to carry out its objects

To obtain license, approvals and authorization from Governmental Statutory and Regulatory Authorities, as may be necessary to carry out and achieve the Objects of the Company and connected matters which may seem expedient to develop the business interests of the Company in India and abroad.

2. To obtain charters, concession etc.

To enter into any arrangement with the Government of India or with any State Government or with other authorities/ commissions, local bodies or public sector or private sector undertakings, Power Utilities, Financial Institutions, Banks, International Funding Agencies and obtain such charters, subsidies, loans, advances or other money, grants, contracts, rights, sanctions, privileges, licenses or concessions whatsoever (whether statutory or otherwise) which the Company may think it desirable to obtain for carrying its activities in furthering the interests of the Company or its members.

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3. To enter into Implementation/ Construction Agreement

To enter into any agreement, contract or any arrangement for the implementation of the power generation, evacuation, transmission and distribution system and network with Power/Transmission Utilities, State Electricity Boards, Vidyut Boards, Transmission Companies, Generation Companies, Licensees, Statutory bodies, other organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc.

4. To carry on the business or purchasing, importing, exporting and trading power

To carry on the business or purchasing, importing, exporting and trading of power subject to the provisions of Electricity Act, 2003 and to supply electric power generated by other plants to distribution companies, trading companies, other generation companies and other Persons, and in this regard execute agreements with Central and State generating authorities, departments or companies, Independent Power Producers and other Persons.

5. To enter into Agreements; etc.

To secure the payments of money, receivables on transmission and distribution of electricity and sale of fuel, as the case may be, to the State Electricity Boards, Vidyut Boards, Transmission Utilities, Generating Companies, Transmission Companies, Distribution Companies, State Governments, Licensees, statutory bodies, other organizations (whether in Private, Public or Joint Sector Undertaking) and bulk consumers of power etc. through Letter of Credits/ESCROW and other security documents.

6. To execute transmission service Agreements

To execute Transmission Service Agreements or other agreements for transmission of power to distribution, trading, and other companies, State Electricity Boards, State Utilities and any other organization and Persons.

7. To co-ordinate with Central Transmission Utility

To coordinate with the Central Transmission Utility for transmission of electricity under the provisions of Electricity Act 2003.

8. To borrow money

Subject to provisions of Sections 73, 179, 180 and other applicable provisions of the Companies Act, 2013 and subject to other laws or directives, if any, of SEBI/RBI, to borrow money in Indian rupees or foreign currencies and obtain foreign lines of credits/ grants/aids etc. or to receive money or deposits from public for the purpose of the Company's business in such manner and on such terms and with such rights, privileges and obligations as the Company may think fit. The Company may issue bonds/ debentures whether secured or unsecured; bills of exchange, promissory notes or other securities, mortgage or charge on all or any of the immovable and movable properties, present or future and all or any of the uncalled capital for the time being of the Company as the Company may deem fit and to repay, redeem or pay off any such securities or charges.

9. To lend money

To lend money on property or on mortgage of immovable properties or against Bank guarantee and to make advances of money against future supply of goods and services on such terms as the Directors

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may consider necessary and to invest money of the Company in such manner as the Directors may think fit and to sell, transfer or to deal with the same.

10. To acquire, own, lease or dispose off the property

To own, possess, acquire by purchase, lease or otherwise rights, title and interests in and to, exchange or hire real estate, equipment, Transmission lines, lands, buildings, apartments, plants, equipment, machinery, fuel blocks and hereditaments of any tenure or descriptions situated in India or abroad or any estate or interest therein and any right over or connected with land so situated and turn the same to account in any manner as may seem necessary or convenient for the purpose of business of the Company and to hold, improve, exploit, re-organize, manage, lease, sell, exchange or otherwise dispose of the whole or any part thereof.

11. To deal in Scrips/Govt. Securities

Subject to applicable provisions of law, to subscribe for, underwrite, or otherwise acquire, hold, dispose of and deal with the shares, stocks, debentures or other securities and titles of indebtedness or the right to participate in profits or other similar documents issued by any Government authority, Corporation or body or by any company or body of persons and any option or right in respect thereof.

12. To create funds and appropriate profits

To create any depreciation fund, reserve fund, sinking fund, insurance fund, gratuity, provident fund or any other fund, for depreciation or for repairing, improving extending or maintaining any of the properties of the Company or for any other purposes whatsoever conducive to the interests of the Company.

13. To purchase or otherwise acquire companies

To acquire shares, stocks, debentures or securities of any company carrying on any business which this Company is entitled to carry on or acquisition of undertaking itself which may seem likely or calculated to promote or advance the interests of the Company and to sell or dispose of or transfer any such shares, stocks or securities and the acquired undertaking.

14. To enter into partnership Agreement or Merge /amalgamate

To enter into partnership or into any agreement for joint working, sharing or pooling profits, joint venture, amalgamation, union of interests, co-operation, reciprocal concessions or otherwise or amalgamate with any person or company carrying on or engaged in or about to carry on or engaged in any business or transaction in India or abroad which the Company is authorized to carry on or engage in any business undertaking having objects identical or similar to, as are being carried on by this Company.

15. To have agencies and branch offices in India and abroad

To establish and maintain agencies, branch offices and local agencies, to procure business in any part of India and world and to take such steps as may be necessary to give the Company such rights and privileges in any part of the world as deemed proper in the interest of the Company.

16. To promote institutions or other companies

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To promote and undertake the formation of any institution or Company or subsidiary company or for any aforesaid objects intended to benefit the Company directly or indirectly and to coordinate, control and guide their activities.

17(a) To acquire know how and import-export of machinery and tools etc.

To negotiate and enter into agreements and contracts with domestic and foreign companies, persons or other organizations, banks and financial institutions, in relation to the business of the Company including that of technical know-how, import, export, purchase or sale of plant, machinery, equipment, tools, accessories and consumables, financial assistance and for carrying out all or any of the objects of the Company.

17(b) To negotiate and enter into agreements etc.

To negotiate and enter into agreements and contracts for execution of turnkey jobs, works, supplies and export of plant, machinery, tools and accessories etc.

18. To enter into contracts/arrangements in connection with issue of shares/securities.

Upon and for the purpose of any issue of shares, debentures or any other securities of the Company, to enter into agreement with intermediaries including brokers, managers of issue/commission agents and underwriters and to provide for the remuneration of such persons for their services by way of payment in cash or issue of shares, debentures or other securities of the Company or by granting options to take the same or in any other manner as permissible under the law.

19. To enter into contracts of indemnity and/or guarantee

To enter into contracts of indemnity and get guarantee and allocations for the business of the Company.

20. To arrange for Training and Development

To make arrangements for training of all categories of employees and to employ or otherwise engage experts, advisors, consultants etc. in the interest of achieving the Company's objects.

21. To promote conservation, protect environment, theft etc.

To promote conservation and protection of electricity from theft, safety of life and to protect environments including air, land and water etc.

22. To provide for welfare of employees

To pay and provide for the remuneration, amelioration and welfare of persons employed or formerly employed by the Company and their families providing for pension, allowances, bonuses, other payments or by creating for the purpose from time to time the Provident Fund, Gratuity and other Funds or Trusts. Further to undertake building or contributing to the building or houses, dwellings or chawls by grants of money, or by helping persons employed by the Company to effect or maintain insurance on their lives by contributing to the payment of premium or otherwise and by providing or subscribing or contributing towards educational institutions, recreation, hospitals and dispensaries, medical and other assistance as the Company may deem fit.

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23. To take Insurance

To ensure any rights, properties, undertakings, contracts, guarantees or obligations or profits of the Company of every nature and kind in any manner with any person, firm, association, institution or company.

24.To share the profits pay, dividends and provide bonus etc

To distribute among members of the Company dividend including bonus shares out of profits, accumulated profits or funds and resources of the Company in any manner permissible under law.

25. To institute and defend the legal proceedings

To institute, conduct, defend, compound or abandon any legal proceedings by or against the Company or its officers or otherwise concerning the affairs of the Company and also to compound and to allow time for payment or satisfaction of any debts or recovery due, claims or demands by or against the Company and to refer any claims or demands by or against the Company or any differences arising in execution of contracts to conciliation and arbitration and to observe, comply with and/or challenge any awards preliminary, interim or final made in any such arbitration.

26. To pay and subsequently write off preliminary expenses

To pay out of the funds of the Company all costs, charges, expenses and preliminary and incidental to the promotion, formation, establishment and registration of the Company or other expenses incurred in this regard.

27. To contribute and make donations

Subject to provisions of Companies Act, 2013 to contribute money or otherwise assist to charitable, benevolent, religious, scientific national, defense, public or other institutions or objects or purposes.

28. To open accounts in Banks

To open an account or accounts with any individual, firm or company or with any bank bankers or shrofs and to pay into and withdraw money from such account or accounts.

29. To accept gifts, donations etc.

To accept gifts, bequests, devises and donations from members and others and to make gifts to members and others of money, assets and properties of any kind.

30. To pursue the objects of the Company as principal, agents, trustee or in any other capacity

To carry out all or any of the objects of the company and do all or any of the above things in any part of the world and either as principal, agent, contractor or trustee or otherwise and either alone or in conjunction with others.

31. To enter into Contracts

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To negotiate and/or enter into agreement and contract with individuals, companies, corporations, foreign or Indian, for obtaining or providing technical, financial or any other assistance for carrying on all or any of the objects of the Company and also for the purpose of activating, research, development of projects on the basis of know-how and/or financial participation and for technical collaboration, and to acquire or provide necessary formulate and patent rights for furthering the objects of the company.

32. To contribute towards promotion of trade and industry

To aid pecuniary or otherwise, any association, body or movement having for its object the solution, settlement or surmounting of industrial or labour problems or trouble or the promotion of industry or trade.

33. To take all necessary steps for winding up of the company

Subject to the provisions of Companies Act, 2013 or any amendment or re-enactment thereof in the event of winding up to distribute among the members in specie any property of the Company or any proceeds of sale on disposal of any property in accordance with the provisions of the Act.

34. To do and perform all coincidental and ancillary acts for the attainment of its objects

To do all such other things as may be deemed incidental or conducive to the attainment of the above Objects or any of them and to carry on any business which may seem to the Company capable of being conveniently carried in connection with any of the Company's Objects or calculated directly or indirectly to enhance the value of or render profitable any of the Company's property or rights.

35. To take up studies and research experiments.

To establish, provide, maintain and conduct or otherwise subsidies research laboratories and experimental workshops for scientific, technical or researches, experiments and to undertake and carry on directly or in collaboration with other agencies scientific and technical research experiments and tests of all kinds and to process, improve and invent new products and their techniques of manufacture and to promote, encourage, reward in every manner studies and research, scientific and technical investigations and inventions of any kind that may be considered likely to assist, encourage and promote rapid advances in technology, economies, import substitution or any business which the Company is authorized to carry on.

36. To evolve scheme for restructuring or arrangement.

Subject to provisions of the Companies Act,2013, to evolve scheme for restructuring or arrangement, to amalgamate or merge or to enter into partnership or into any consortium or arrangement for sharing of profits, union of interests, co-operation, joint venture with any Person or Persons, partnership firm/firms, or company or companies carrying on or engaged in any operation capable of being conducted so conveniently in co-operation with the business of the Company or to benefit the Company or to the activities for which the Company has been established.

37. To apply for purchase, or otherwise acquire.

To apply for purchase, or otherwise acquire any trademarks, patents, brevets, inventions, licenses, concessions and the like, conferring any exclusive or nonexclusive or limited rights to use, or any secret or other information as to any invention which may be capable of being used for any of the purposes of the Company, or the acquisition of which may benefit the Company and to use, exercise, develop or grant licenses in respect of or otherwise turn to account the property, rights or information so acquired.

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38. To sell, dispose or hive off an undertaking of the Company

To sell, dispose or hive off an undertaking of the Company or any part thereof for such consideration as the Company may think fit and in particular for shares, debentures or securities of any other association, corporation or company.

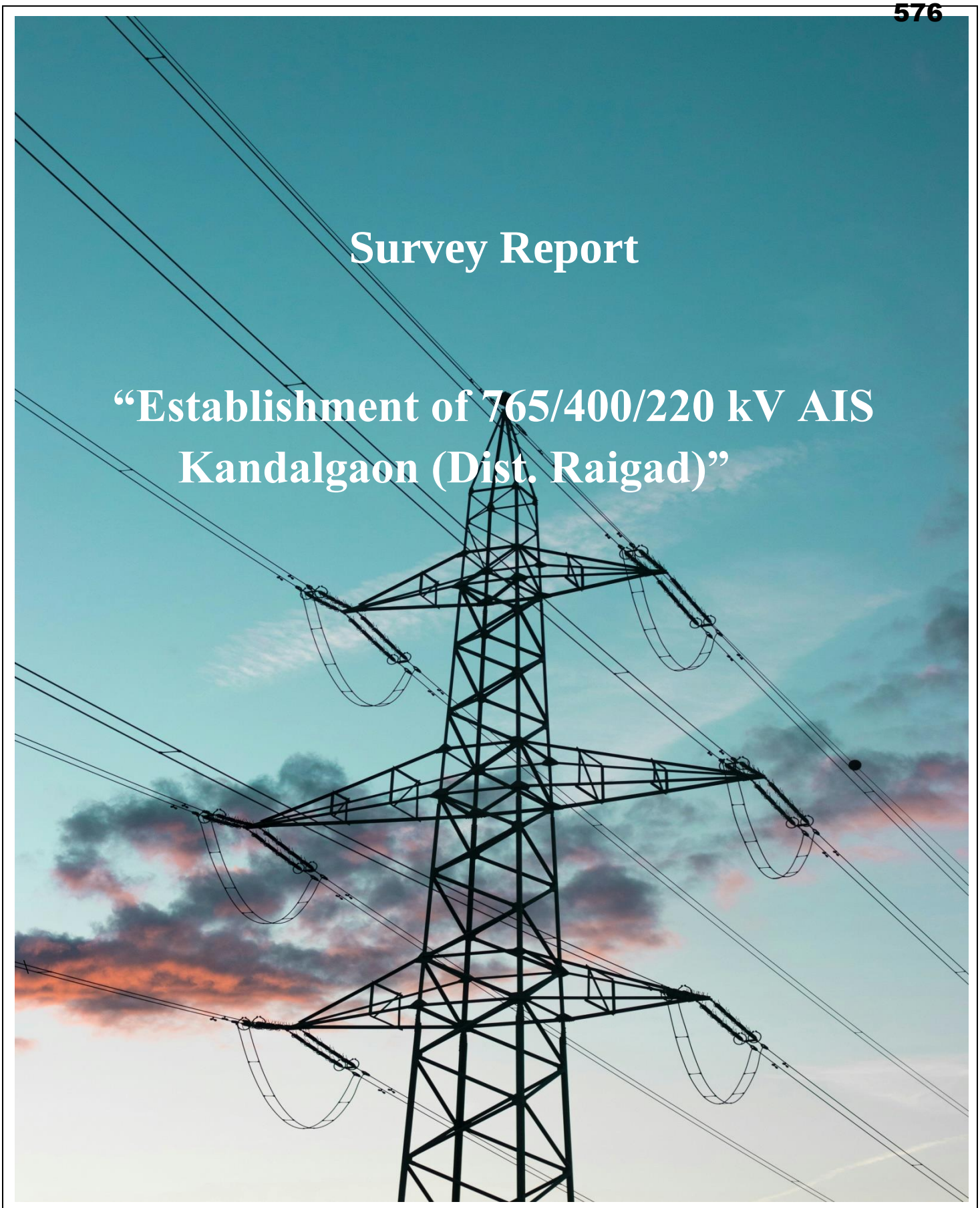
39. To sell, improve, manage, develop

To sell, improve, manage, develop, exchange, loan, lease or let, under-lease, sub - let, mortgage, dispose of, deal with in any manner, turn to account or otherwise deal with any rights or property of the Company.

40. To outsource parts of its activities

To outsource parts of its activities to achieve higher efficiencies and throughputs in the achievement of its business goals.

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Survey Report

"Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

PFC CONSULTING LTD.

(A wholly owned subsidiary of Power Finance Corporation Ltd.)

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DISCLAIMER

Bidders may please note that the Bid Process Coordinator (BPC) has carried out a survey of the Transmission System associated with the Project. While every possible care has been taken in identifying the involvement of forest area / animal and bird sanctuary/ mines in the proposed routes. However, Bidders in their own interest should carry out required surveys and field investigation for submission of their Bid. For the purpose of carrying out required survey, the address and co-ordinate of each location of sub-station has been provided by the BPC. The coordinate of location of the sub-station is only for the purpose of facilitating Bidders to locate the sub-station and the same should not be considered as the point of termination of transmission line. For exact point of termination of transmission line, the Bidder shall have to coordinate with the agency responsible for construction of sub-station / switchyard who shall provide the inter- connection facility. Bidders in their own interest should visit the project site to confirm the location of sub- stations and any apprehension in this regard should be brought to the notice of the BPC.

Failure to verify the location of sub-station, investigate the route of the Transmission Lines associated with the Project and to examine, inspect site or subsurface conditions fully shall not be grounds for a Bidder to alter its Bid after the Bid Deadline nor shall it relieve a Bidder from any responsibility for appropriately eliminating the difficulty or costs of successfully completing the Project.

The BPC, its authorized representative, any of the Long Term Transmission Customer(s), nor their directors, employees or advisors/consultants make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions made in the Survey Report, or the accuracy, completeness or reliability of information contained therein, and shall incur no liability under any law, statue, rules or regulations as to the accuracy, reliability or completeness of such survey report, even if any loss or damage is caused to the Bidders by any act or omission on their part.

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1.0 INTRODUCTION

1.1 This transmission scheme i.e., scheme "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)"

1.2 Maharashtra state transmission utility (MSTU) Vide LoA dated 14.08.2025 has appointed PFCCL as the BPC for implementation this transmission scheme through TBCB route with the implementation time frame of 24 months from the date of SPV transfer.

1.3 PFCCL appointed **M/s. GIS Data Solutions** for carrying out Survey & Preparation of Report for this transmission scheme using Modern Survey Techniques.

1.4 M/s **GIS Data Solutions** carried out the preliminary survey as per scope of the scheme and based on the survey PFCCL has prepared this report.

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2.0 SCOPE OF WORK

The detailed scope of the project is as furnished below:

Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)		
Sl. No	**Name of the Transmission Element**	**Tentative Route Length (km) / Capacity (MVA)**
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV lCTs with 125 MVAr Bus Reactor at 400 kV Level. **<u>Future space Provisions:</u>** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No • 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.	• 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA • single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor– 1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon	
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon	
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)	• 220 kV line bays at 220 kV Kandalgaon (Existing) – 02 Nos
Note: Space shall be provided by existing/proposed utility for following. However, *In case of land constraints TSP may opt for GIS bays /Acquire suitable land adjacent to the substations*) a) 220 kV line bays at 220 kV AIS Kandalgaon (Existing) 1. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters		

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3.0 APPROACH & METHODOLOGY

Data Collection & Digitization of Maps

Data was collected from Survey of India TOPO sheets (1:50,000 scale). All the Survey of India TOPO sheets were geo-referenced with respect to Latitude Longitude of TOPO sheets under following projection system to keep uniformity with respect to GPS co-ordinates:

Projection : UTM

Spheroid : WGS84

Datum : WGS84

Zone : 43

North or South : South

These were used to update the base map features extracted from TOPO sheets are as follows. The features extracted from SOI TOPO sheets.

- City and village sprawl
- Contours
- Spot Heights and Bench Marks
- Railway lines (MG/BG)
- Metalled Roads (National/State Highways),
- Major Rivers (width > 500 m)
- Canals
- Nallah/Drain crossings
- Forest (Reserved/Protected/Social/Open Scrub)
- Protected areas (Cantonments, Air fields)
- Main power lines (EHV) and other electrical power lines
- Telephone lines
- Lakes, Reservoirs and Ponds
- Swamp
- Air Port/ Air Strip

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4.0 GEOGRAPHICAL INFORMATION

4.1 Project Location:

The proposed substation location of 765/400 kV Kandalgaon Station is at Village- Khardi Bk, Taluka- Mangaon, District- Raigad;

Proposed Transmission Line LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon, is passing through the districts of Raigad & Pune;

LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon and 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) is passing through the district of Raigad.

4.2 Maharashtra Climate :

Maharashtra has typical monsoon climate, with hot, rainy and cold weather seasons. Tropical conditions prevail all over the state, and even the hill stations are not that cold. Dew, frost, hail can also be happened sometimes according to the seasonal weather March, April and May are the hottest months. During April and May thunderstorms are common all over the state. Temperature varies between 22°C-39°C during this season rainfall starts normally in the first week of June. July is the wettest month in Maharashtra, while August too gets substantial rain. Monsoon starts its retreat with the coming of September from the state Cool dry spell, with clear skies gentle breeze and pleasant weather prevails from November to February. But the eastern part of Maharashtra sometimes receives some rainfall. Temperature varies between 12°C-34°C during this season.

4.3 Agriculture Maharashtra :

Maharashtra Agriculture is the backbone of the state's economy, contributing about 11% to its GDP and employing over 50% of the workforce. It is one of the major agricultural producing states of India.

Major crops

Maharashtra is a major producer of a variety of food and cash crops.

- **Food Crops:** Rice, jowar, bajra, wheat and pulses (like tur, mung, urad, gram) are the main food crops here.
- **Cash Crops:** Cotton, sugarcane, turmeric and vegetables are the major cash crops.
- **Oilseeds:** The state is also a major producer of oilseeds, with groundnut, sunflower and soybean being the main crops.

Characteristics of agriculture

- **Diverse agro-climatic zones:** Maharashtra has diverse topography and climatic conditions, due to which a variety of crops are grown here.
- **Irrigation:** Irrigation facilities have been expanded in the state, but agriculture is still largely dependent on rainfall.
- **Cooperative Sector:** Cooperative societies play an important role in sugar mills, dairies and marketing of fruits and vegetables in Maharashtra.

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4.4 Soil Type Maharashtra:

According to the Indian land and soil survey department soils in Maharashtra are divided into 5 types The types of soil in Maharashtra are as follows:

- **Black Soil (Regur Soil)**
- **Laterite Soil**
- **Red Soil**
- **Alluvial Soil**
- **Marshy and Peaty Soil**

Black Soil (Regur Soil): Formed from the weathering of the Deccan's basaltic lava rock, this soil is clayey, deep, and known for its high moisture-retention capacity. It is rich in iron, lime, calcium, potash, aluminium, and magnesium, but deficient in nitrogen, phosphorus, and organic matter. It is found extensively across the Deccan Plateau, including the river valleys of the Godavari, Bhima, and Krishna.

Laterite Soil: Found in tropical regions with high rainfall and alternating wet/dry climates, such as the Konkan coast (Ratnagiri, Sindhudurg, Raigad, Kolhapur districts) and the hilly areas of the Western Ghats. Due to intense leaching, it is rich in iron and aluminum oxides but poor in nitrogen, potassium, and organic matter. It is primarily used for orchards (especially mangoes and cashews) and plantation crops like tea and coffee.

Red Soil: Developed from the weathering of ancient crystalline and metamorphic rocks like granite and gneiss. Its red color is due to the presence of iron oxide. It is generally deficient in lime, phosphates, nitrogen, and humus but is rich in potash. It is primarily found in the Western Ghats and eastern Maharashtra districts like Bhandara, Gondia, Chandrapur, and Gadchiroli.

Alluvial Soil: These are fertile soils deposited by rivers along the coast and in river valleys, such as the Tapti (Tapi), Narmada, Godavari, and Krishna basins. They are generally rich in potash and lime but may lack nitrogen and humus. They are suitable for a wide range of crops including rice, wheat, and sugarcane.

Marshy and Peaty Soil: Found in areas with heavy rainfall and high humidity, specifically near creek mouths on the west coast in districts like Palghar, Thane, Raigad, Ratnagiri, and Sindhudurg. These soils have a high organic content due to the accumulation of dead vegetation.

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5.0 PARTICULARS OF PROPOSED 765 kV KANDALGAON S/s

5.1 COORDINATES OF PROPOSED SUBSTATION

Particulars		Corner	Latitude	Longitude
Village	- Khardi Bk.	Corner 1	18°15'52.35"N	73°17'43.16"E
Taluka	- Mangaon	Corner 2	18°15'43.86"N	73°18'1.16"E
District	- Raigad	Corner 3	18°15'23.71"N	73°17'51.13"E
State	- Maharashtra	Corner 4	18°15'35.66"N	73°17'32.20"E

Note: Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the concerned agency providing inter Connection facility for exact point of termination /emanation of transmission line.

The actual location of substation shall not be beyond **5 Km** radius of location proposed by BPC in survey report.

5.2 INFORMATION OF PROPOSED SUBSTATION

Sl No.	Criterion	Proposed Site
1	**Location Particulars :**	
a)	Corner 1	18°15'52.35"N
		73°17'43.16"E
b)	Corner 2	18°15'43.86"N
		73°18'1.16"E
c)	Corner 3	18°15'23.71"N
		73°17'51.13"E
d)	Corner 4	18°15'35.66"N
		73°17'32.20"E
1.1	Size (Acre)	Approx. 100 acre
		(590 X 688 Mtr.) 100 Acres
1.2	Govt. /Private/Forest land	Govt. & Private
1.3	Forest Details	Nil
1.4	Agriculture/Waste/Commercial land	Agriculture
1.5	Development	Nil
1.6	Approximate cost	
	a. Circle rate per acre	Approx. 6 Lacs.
	b. Market rate per acre	Approx. 24 Lacs
	c. Approx. cost of the land (based on circle rate)	Approx. 6 Cr.
1.7	Terrain	Plain with constraints
1.8	Type of soil	Black as visible
1.9	No. of Owners	Approx. 192 Nos.
1.10	Environment/Pollution in the vicinity	Nil

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Sl No.	Criterion	Proposed Site
1.11	Location with reference to nearest town	Mangaon
1.12	HFL	NA
1.13	Diversion of Nallah/Canal required	No
1.14	Slope	No
1.15	Approximate Extent of leveling required (in meter)	1-2 m
1.16	Land acquisition feasibility	Available
1.17	Rate of Govt. Land	NA
1.18	Extent of approach	Available
1.19	Planned/unplanned development	NA
1.21	Size of Site (m x m)	(590 X 688 Mtr.) 100 Acres
1.22	No. of families to be displaced	Nil
	Level of site with reference to road level	1-2 m
1.23	a. Level of road Above MSL	58 Mtr.
	b. Level of site Above MSL	56 Mtr.
1.24	Distance from sea shore	Approx. 33 km
1.25	Logistics Survey	Available
2	**Approach:**	
2.1	Obstacles in reaching site	Negligible
2.2	Nearby main road	N.H-753F (Khadsamble to Muthavali)
2.3	Length of approach road to be constructed	Nil
2.4	Name of nearest airport	Pune International Airport (Approx. Aerial distance of 74 km)
2.5	Name of nearest Rail Head	Mangaon Railway Station
2.6	Upcoming Aviation /Airport/Airforce Station/Airstrip	Nil
2.7	Availability of ground water	Available
2.8	Availability of transmission corridor (Three /four sides)	Three Side Available
2.9	Existence of structures/dwelling units in the land of the proposed site	Nil
2.1	Availability of disposal of rain/storm water	Yes
2.11	Crops grown and types (Multi- crop/single crop)	Multi Crop
2.12	Distance from Road	Along N.H-753F (Khadsamble to Muthavali)
2.13	Nearest railway station (BG/MG)	Mangaon Railway Station
2.14	Unloading facility at railway station	Mangaon Junction
2.15	No. of Culverts required for approach	Nil
2.16	Nearest EHV line/Nearest sub-station	110 kV D/c Line (Approx. 0.37 km), 220 kV Kandalgaon Substation (Approx. 10 km)
2.17	Length of line between this site & nearest substation for construction power at 33/11kV	NA
2.18	Frontage for line take off	Three Side
2.19	Telephone/Telegraph line	Nil

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Sl No.	Criterion	Proposed Site
3	**Community Facilities:**	
3.1	Drinking Water	Available
3.2	Drainage	Available
3.3	Distance from	
	a. Post Office	Approx. 3 km
	b. Telephone	Approx. 3 km
	c. School	Approx. 3 km
	d. Market	Approx. 3 km
3.4	Security	Available
3.5	Availability of construction water	Nearby Village
3.6	Availability of drinking water	Nearby Village
4	**Wind Zone**	3
5	**Seismic Zone**	4

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6.0 LILO ON 765 kV D/C LINE FROM SATARA (PROPOSED) TO PUNE-III (PROPOSED) AT 765 kV AIS KANDALGAON (LOOP IN)

6.1 COORDINATES OF BOTH END

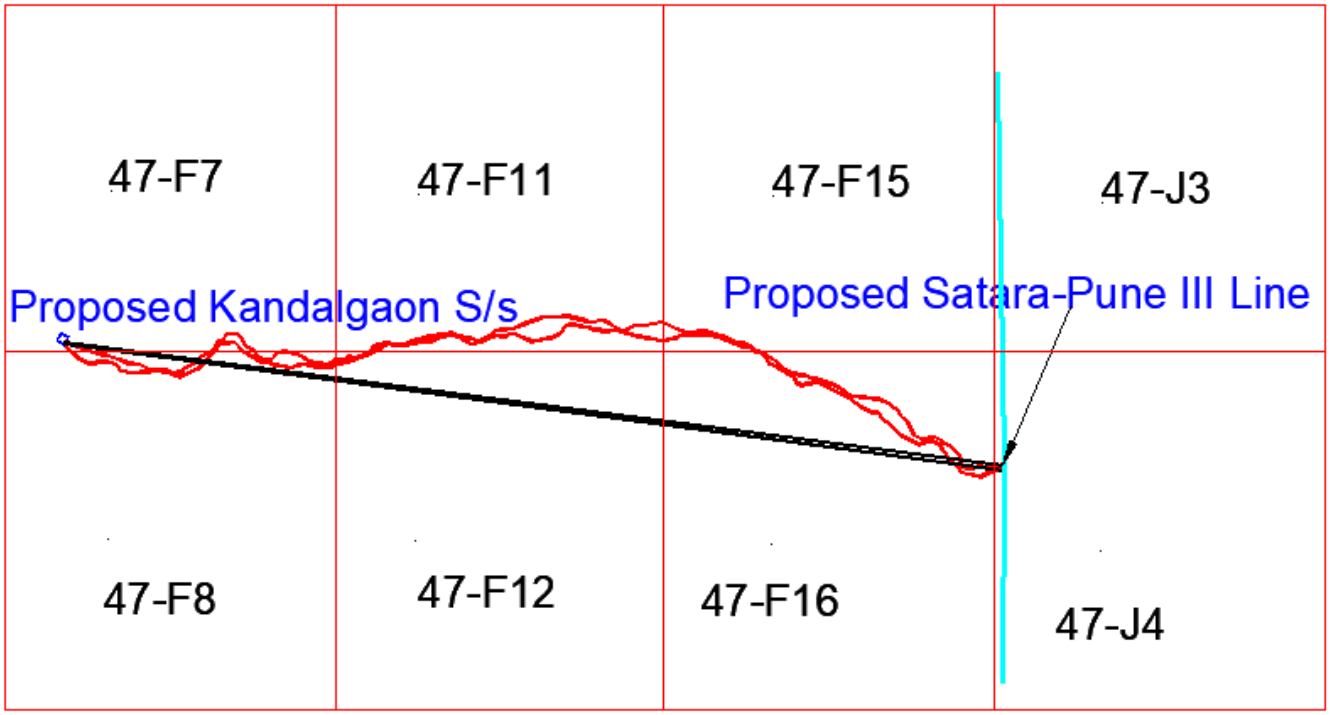
Element	Latitude	Longitude
Loop In Tapping Point 765 kV Satara- Pune III line (Start)	18º 10' 14.3" N	74º 0' 23.18" E
Proposed 765 kV Kandalgaon Substation (End)	18º 15' 27.5" N	73º 17' 50.57" E

Note:- Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the agency providing inter Connection facility for exact point of termination /emanation of transmission line.

Further, it is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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6.2 INDEX MAP OF SOI TOPOSHEETS SURVEY OF INDIA TOPOSHEETS (1:50000 SCALE)



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6.3 COORDINATES OF ANGLE POINTS (AP NO.) OF PROPOSED ROUTE

LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
TAP POINT		394916	2009349	18º 10' 14.3" N	74º 0' 23.18" E		0		**LILO Point**	Pune	Bhor	Bhambavade
						122						
AP1	DD	394797	2009373	18º 10' 15.06" N	74º 0' 19.12" E		122	2°57'47"R		Pune	Bhor	Bhambavade
						266						
AP2	DC	394539	2009438	18º 10' 17.15" N	74º 0' 10.33" E		388	15°7'47.9"R		Pune	Bhor	Bhambavade
						435						
AP3	DC	394105	2009432	18º 10' 16.86" N	73º 59' 55.54" E		823	27°58'24.2"L		Pune	Bhor	Bhambavade
						1138						
AP4	DD	393107	2008883	18º 9' 58.82" N	73º 59' 21.7" E		1961	39°20'25.8"L		Pune	Bhor	Bhambavade
						1125						
AP5	DB	392001	2009088	18º 10' 5.3" N	73º 58' 44" E		3086	9°25'55.4"R		Pune	Bhor	Pande
						435						
AP6	DD	391592	2009237	18º 10' 10.06" N	73º 58' 30.05" E		3521	36°41'32.5"R		Pune	Bhor	Pande
						546						
AP7	DB	391291	2009693	18º 10' 24.85" N	73º 58' 19.74" E		4068	13°36'1.8"L		Pune	Bhor	Pande
						1201						
AP8	DB	390414	2010512	18º 10' 51.35" N	73º 57' 49.72" E		5268	12°17'29.4"R		Pune	Bhor	Savardare
						1156						
AP9	DD	389756	2011463	18º 11' 22.16" N	73º 57' 27.14" E		6425	30°33'21.4"L		Pune	Bhor	Sarole
						674						
AP10	DD	389144	2011746	18º 11' 31.24" N	73º 57' 6.26" E		7099	35°4'29.5"R		Pune	Bhor	Sarole
						219			N.H-48-Shindevadi-Satara			
AP11	DD	388928	2011706	18º 11' 29.92" N	73º 56' 58.93" E		7318	6°38'1.9"L		Pune	Bhor	Sarole
						844						
AP12	DD	388121	2011460	18º 11' 21.77" N	73º 56' 31.49" E		8162	42°48'29.3"L		Pune	Bhor	Kenjal
						1596						
AP13	DC	386684	2012157	18º 11' 44.16" N	73º 55' 42.46" E		9758	22°54'38.9"R		Pune	Bhor	Kenjal
						1121						
AP14	DB	385946	2013000	18º 12' 11.45" N	73º 55' 17.15" E		10879	13°9'43.4"L		Pune	Bhor	Dhangawadi
						948						
AP15	DC	385175	2013553	18º 12' 29.27" N	73º 54' 50.8" E		11828	17°45'41.2"R		Pune	Bhor	Nigade
						436						
AP16	DD	384915	2013903	18º 12' 40.61" N	73º 54' 41.87" E		12264	24°34'2.1"L		Pune	Bhor	Nigade
						230			132 kV S/c TL			
AP17	DD	384713	2014013	18º 12' 44.17" N	73º 54' 34.99" E		12494	38°26'49.5"R		Pune	Bhor	Nigade

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						128						
AP18	DC	384587	2013992	18º 12' 43.45" N	73º 54' 30.71" E		12621	17°9'47.2"L		Pune	Bhor	Nigade
						239			Gunjawani River			
AP19	DC	384351	2014023	18º 12' 44.42" N	73º 54' 22.64" E		12860	18°33'16.3"R		Pune	Bhor	Telavadi
						958						
AP20	DC	383490	2014445	18º 12' 57.96" N	73º 53' 53.27" E		13818	28°43'29.6"R		Pune	Bhor	Telavadi
						258			Gunjawani River			
AP21	DC	383341	2014656	18º 13' 4.8" N	73º 53' 48.16" E		14077	19°34'39"L		Pune	Bhor	Umbare
						1171						
AP22	DB	382385	2015331	18º 13' 26.58" N	73º 53' 15.47" E		15247	10°59'1.2"L		Pune	Bhor	Umbare
						2491			Shivganga River			
AP23	DC	380114	2016354	18º 13' 59.41" N	73º 51' 57.92" E		17738	25°55'8.2"R		Pune	Bhor	Khadki , Sangvi Kh. , Nidhan , Bhilarewadi (N.V.)
						876			Gunjawani River			
AP24	DC	379238	2016329	18º 13' 58.4" N	73º 51' 28.12" E		18614	19°40'19.4"L		Pune	Bhor	Hatave Bk
						404						
AP25	DD	378862	2016182	18º 13' 53.54" N	73º 51' 15.34" E		19019	36°44'44.9"L		Pune	Bhor	Hatave Bk
						401						
AP26	DD	378475	2016288	18º 13' 56.93" N	73º 51' 2.16" E		19419	44°7'17.7"R		Pune	Bhor	Hatave Bk
						584						
AP27	DC	378179	2016791	18º 14' 13.24" N	73º 50' 51.97" E		20003	24°15'46.5"L		Pune	Bhor	Hatave Kh.
						811						
AP28	DB	377517	2017259	18º 14' 28.34" N	73º 50' 29.32" E		20814	10°11'47.6"L		Pune	Bhor	Hatave Kh.
						554						
AP29	DB	377015	2017494	18º 14' 35.87" N	73º 50' 12.18" E		21369	12°30'29.6"R		Pune	Bhor	Tambhad
						399						
AP30	DC	376699	2017737	18º 14' 43.72" N	73º 50' 1.36" E		21767	23°21'50.4"L		Pune	Bhor	Tambhad
						459						
AP31	DD	376254	2017850	18º 14' 47.29" N	73º 49' 46.18" E		22226	53°47'49.6"R		Pune	Bhor	Tambhad
						413						
AP32	DC	376099	2018233	18º 14' 59.71" N	73º 49' 40.84" E		22639	24°26'7.1"L		Pune	Bhor	Tambhad
						763						
AP33	DD	375546	2018759	18º 15' 16.7" N	73º 49' 21.9" E		23402	34°27'5.8"L		Pune	Bhor	Tambhad
						473						
AP34	DD	375079	2018834	18º 15' 19.04" N	73º 49' 5.99" E		23875	32°2'16"R		Pune	Bhor	Tambhad
						310			Gunjawani River			
AP35	DC	374846	2019038	18º 15' 25.63" N	73º 48' 58" E		24185	17°56'53.1"L		Pune	Bhor	Sangvi Bk.
						388						
AP36	DC	374490	2019191	18º 15' 30.53" N	73º 48' 45.83" E		24573	16°20'1.6"L		Pune	Bhor	Sangvi Bk.

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						404						
AP37	DB	374089	2019239	18º 15' 32.02" N	73º 48' 32.17" E		24977	14°15'6.5"R		Pune	Bhor	Sangvi Bk.
						2045			Gunjawani River			
AP38	DB	372181	2019976	18º 15' 55.58" N	73º 47' 27.06" E		27021	5°51'37.1"L		Pune	Velhe	Sonde Mathana , Chinchale Bk
						896			Gunjawani River			
AP39	DC	371317	2020212	18º 16' 3.07" N	73º 46' 57.58" E		27917	17°10'26.7"R		Pune	Velhe	Karan Jawane
						2186						
AP40	DD	369132	2020139	18º 16' 0.23" N	73º 45' 43.2" E		30103	30°11'32.5"L		Pune	Velhe	Adavali
						330			Gunjawani River			
AP41	DC	368853	2019964	18º 15' 54.47" N	73º 45' 33.73" E		30433	21°34'59.6"R		Pune	Velhe	Kodavadi
						1287						
AP42	DC	367588	2019729	18º 15' 46.55" N	73º 44' 50.71" E		31720	20°59'40.3"L		Pune	Velhe	Kodavadi , Bhaginghar
						1890						
AP43	DB	365730	2020073	18º 15' 57.31" N	73º 43' 47.35" E		33610	5°28'44.6"R		Pune	Velhe	Ghavar
						1770						
AP44	DC	364028	2020560	18º 16' 12.76" N	73º 42' 49.28" E		35380	20°32'48.9"R		Pune	Velhe	Chitmodi
						889						
AP45	DB	363141	2020488	18º 16' 10.24" N	73º 42' 19.13" E		36269	14°32'23.8"L		Pune	Velhe	Phanshi
						821			Gunjawani River			
AP46	DB	362333	2020630	18º 16' 14.66" N	73º 41' 51.58" E		37089	7°59'8.9"R		Pune	Velhe	Meravane
						713						
AP47	DB	361655	2020850	18º 16' 21.65" N	73º 41' 28.43" E		37802	7°37'6.8"L		Pune	Velhe	Lavhi Bk
						1100						
AP48	DC	360573	2021047	18º 16' 27.8" N	73º 40' 51.53" E		38902	23°12'48.1"R		Pune	Velhe	Vajeghar Kh
						510						
AP49	DD	360076	2020933	18º 16' 23.99" N	73º 40' 34.64" E		39412	36°31'12.4"L		Pune	Velhe	Vajeghar Kh
						846						
AP50	DC	359526	2020291	18º 16' 2.96" N	73º 40' 16.07" E		40258	23°42'20.5"R		Pune	Velhe	Vajeghar Bk.
						807						
AP51	DC	358799	2019941	18º 15' 51.41" N	73º 39' 51.41" E		41064	16°9'2.2"R		Pune	Velhe	Pal Bk.
						1111						
AP52	DB	357703	2019756	18º 15' 45.14" N	73º 39' 14.15" E		42175	1°27'54"L		Pune	Velhe	Pal Bk.
						396						
AP53	DD	357315	2019681	18º 15' 42.59" N	73º 39' 0.94" E		42571	30°43'51.2"L		Pune	Velhe	Metpilaware
						405						
AP54	DB	356933	2019817	18º 15' 46.94" N	73º 38' 47.9" E		42977	0°49'4.6"R		Pune	Velhe	Metpilaware
						576						
AP55	DB	356393	2020019	18º 15' 53.39" N	73º 38' 29.47" E		43553	4°16'58.9"R		Pune	Velhe	Metpilaware

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						543						
AP56	DC	355900	2020247	18º 16' 0.68" N	73º 38' 12.64" E		44096	15°51'12.4"L		Pune	Velhe	Metpilaware
						334						
AP57	DD	355570	2020299	18º 16' 2.29" N	73º 38' 1.38" E		44430	35°19'36.4"R		Pune	Velhe	Metpilaware
						299						
AP58	DB	355302	2020166	18º 15' 57.9" N	73º 37' 52.28" E		44730	0°38'22"L		Pune	Velhe	Metpilaware
						264						
AP59	DC	355066	2020046	18º 15' 53.94" N	73º 37' 44.3" E		44994	25°38'10"R		Pune	Velhe	Metpilaware
						253			Forest			
AP60	DB	354814	2020040	18º 15' 53.68" N	73º 37' 35.69" E		45247	13°45'49.1"L		Pune	Velhe	Metpilaware
						374			Forest			
AP61	DC	354448	2020120	18º 15' 56.2" N	73º 37' 23.23" E		45621	25°34'50.5"R		Pune	Velhe	Ghera prachaadgad
						207			Forest			
AP62	DB	354247	2020073	18º 15' 54.61" N	73º 37' 16.39" E		45828	12°28'16.6"L		Pune	Velhe	Ghera prachaadgad
						533			Forest			
AP63	DB	353766	2019842	18º 15' 46.98" N	73º 37' 0.08" E		46361	2°55'37.3"R		Pune	Velhe	Ghera prachaadgad
						309			Forest			
AP64	DB	353481	2019722	18º 15' 43.02" N	73º 36' 50.4" E		46670	14°22'29.7"R		Pune	Velhe	Ghera prachaadgad
						275			Forest			
AP65	DC	353209	2019682	18º 15' 41.65" N	73º 36' 41.15" E		46945	20°53'0.7"L		Pune	Velhe	Ghera prachaadgad
						246			Forest			
AP66	DC	352994	2019562	18º 15' 37.69" N	73º 36' 33.88" E		47191	15°52'22.3"R		Pune	Velhe	Ghera prachaadgad
						321			Forest			
AP67	DB	352682	2019488	18º 15' 35.2" N	73º 36' 23.27" E		47512	3°15'47.8"R		Pune	Velhe	Ghera prachaadgad
						219			Forest			
AP68	DD	352467	2019450	18º 15' 33.9" N	73º 36' 15.95" E		47731	36°9'5.2"L		Pune	Velhe	Ghera prachaadgad
						420			Forest			
AP69	DB	352090	2019634	18º 15' 39.8" N	73º 36' 3.05" E		48151	7°31'10"R		Pune	Velhe	Jadhavwadi
						485			Forest			
AP70	DB	351686	2019902	18º 15' 48.42" N	73º 35' 49.22" E		48636	5°56'13.4"L		Pune	Velhe	Jadhavwadi
						180			Forest			
AP71	DD	351527	2019985	18º 15' 51.09" N	73º 35' 43.79" E		48815	1°4'55.1"L		Pune	Velhe	Jadhavwadi
						209			SH.65-Valhe-Pasali, Forest			
AP72	DD	351339	2020079	18º 15' 54.09" N	73º 35' 37.38" E		49025	10°46'15.9"L		Pune	Velhe	Kolambi
						565			Forest			
AP73	DD	350795	2020233	18º 15' 58.95" N	73º 35' 18.82" E		49590	35°34'52"R		Pune	Velhe	Kolambi
						755			Forest			
AP74	DB	350085	2019977	18º 15' 50.44" N	73º 34' 54.69" E		50345	0°30'9.8"R		Pune	Velhe	Kolambi
						909						

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP75	DB	349227	2019676	18º 15' 40.45" N	73º 34' 25.56" E		51254	13°41'33.4"R		Pune	Velhe	Varoti Bk
						665						
AP76	DB	348565	2019611	18º 15' 38.16" N	73º 34' 3.04" E		51920	2°10'55.7"L		Pune	Velhe	Varoti Bk
						780						
AP77	DB	347792	2019505	18º 15' 34.52" N	73º 33' 36.76" E		52700	3°57'13.5"L		Pune	Velhe	Varoti Bk
						686						
AP78	DB	347120	2019366	18º 15' 29.81" N	73º 33' 13.93" E		53386	4°44'8"R		Pune	Velhe	Varoti Bk
						502						
AP79	DC	346622	2019304	18º 15' 27.68" N	73º 32' 56.98" E		53888	17°50'14.8"L		Pune	Velhe	Harpud
						486						
AP80	DB	346144	2019395	18º 15' 30.53" N	73º 32' 40.7" E		54374	1°51'41.3"L		Pune	Velhe	Harpud
						367						
AP81	DD	345782	2019453	18º 15' 32.29" N	73º 32' 28.36" E		54740	40°39'3.6"R		Pune	Velhe	Harpud
						541			Forest			
AP82	DB	345322	2019168	18º 15' 22.93" N	73º 32' 12.77" E		55281	1°56'16.1"R		Pune	Velhe	Harpud
						348			Forest			
AP83	DB	345020	2018996	18º 15' 17.24" N	73º 32' 2.54" E		55629	9°28'5.2"R		Pune	Velhe	Harpud
						528						
AP84	DB	344525	2018813	18º 15' 11.16" N	73º 31' 45.73" E		56157	11°40'50.5"L		Raigad	Mahad	Ekalgaon
						539						
AP85	DB	344068	2018528	18º 15' 1.76" N	73º 31' 30.25" E		56695	11°23'52.3"R		Pune	Velhe	Singapur
						444						
AP86	DB	343652	2018372	18º 14' 56.58" N	73º 31' 16.14" E		57139	1°54'10"R		Pune	Velhe	Singapur
						385						
AP87	DB	343287	2018249	18º 14' 52.48" N	73º 31' 3.76" E		57525	12°47'17.8"L		Pune	Velhe	Singapur
						308			Reserved Forest			
AP88	DC	343025	2018088	18º 14' 47.18" N	73º 30' 54.86" E		57832	23°16'47.9"R		Raigad	Mahad	Dapoli
						398			Reserved Forest			
AP89	DB	342631	2018031	18º 14' 45.24" N	73º 30' 41.47" E		58230	1°48'48"L		Raigad	Mahad	Dapoli
						689			Reserved Forest			
AP90	DB	341952	2017912	18º 14' 41.17" N	73º 30' 18.4" E		58919	8°57'58.1"L		Raigad	Mahad	Dapoli
						736			Reserved Forest			
AP91	DC	341257	2017673	18º 14' 33.22" N	73º 29' 54.78" E		59655	18°45'36.1"R		Raigad	Mahad	Dapoli
						860						
AP92	DB	340397	2017670	18º 14' 32.89" N	73º 29' 25.51" E		60515	5°6'14.8"L		Raigad	Mahad	Dapoli
						1001			Reserved Forest			
AP93	DB	339399	2017756	18º 14' 35.41" N	73º 28' 51.53" E		61516	11°8'1.7"R		Raigad	Mahad	Pane
						338			Reserved Forest			
AP94	DC	339074	2017849	18º 14' 38.36" N	73º 28' 40.44" E		61854	25°27'45.9"R		Raigad	Mahad	Pane
						412			Kal River , Road			

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP95	DB	338668	2017782	18º 14' 36.06" N	73º 28' 26.62" E		62266	12°30'11.8"L		Raigad	Mahad	Pane
						555			Kal River , Road			
AP96	DD	338153	2017575	18º 14' 29.18" N	73º 28' 9.16" E		62821	31°43'28.4"L		Raigad	Mahad	Vagheri
						1312						
AP97	DB	336860	2017798	18º 14' 36.1" N	73º 27' 25.09" E		64133	9°26'47.8"R		Raigad	Mahad	Vagheri
						729						
AP98	DB	336172	2018039	18º 14' 43.73" N	73º 27' 1.58" E		64862	14°53'22.9"L		Raigad	Mahad	Vagheri
						508						
AP99	DC	335665	2018077	18º 14' 44.84" N	73º 26' 44.33" E		65370	27°48'56.6"R		Raigad	Mahad	Gherakilla Raigad(Raigadwad
						459						
AP100	DB	335277	2018322	18º 14' 52.69" N	73º 26' 31.03" E		65829	6°8'34.6"L		Raigad	Mahad	Nijampur
						706						
AP101	DB	334642	2018632	18º 15' 2.59" N	73º 26' 9.35" E		66535	10°51'19.3"R		Raigad	Mahad	Nijampur
						569						
AP102	DB	334187	2018973	18º 15' 13.57" N	73º 25' 53.76" E		67104	9°10'57.1"R		Raigad	Mahad	Nijampur
						845						
AP103	DD	333602	2019581	18º 15' 33.19" N	73º 25' 33.64" E		67949	47°26'22.7"R		Raigad	Mahad	Nijampur
						715						
AP104	DC	332887	2019564	18º 15' 32.44" N	73º 25' 9.3" E		68664	16°38'24"L		Raigad	Mahad	Amdoshi
						356						
AP105	DD	332548	2019454	18º 15' 28.76" N	73º 24' 57.82" E		69020	3°22'46.9"R		Raigad	Mahad	Pachad
						199			SH.97 Wakan-Pali-Khopoli			
AP106	DD	332355	2019404	18º 15' 27.07" N	73º 24' 51.26" E		69219	40°59'50"L		Raigad	Mahad	Pachad
						641						
AP107	DB	331993	2018875	18º 15' 9.76" N	73º 24' 39.1" E		69860	7°0'44.9"R		Raigad	Mahad	Pachad
						328						
AP108	DB	331776	2018629	18º 15' 1.69" N	73º 24' 31.79" E		70188	5°46'47.5"R		Raigad	Mahad	Pachad
						516						
AP109	DB	331398	2018278	18º 14' 50.17" N	73º 24' 19.01" E		70704	9°6'23.6"L		Raigad	Mahad	Konzar
						579						
AP110	DD	331041	2017821	18º 14' 35.23" N	73º 24' 6.98" E		71284	0°1'33.9"L		Raigad	Mahad	Konzar
						278			220 kV S/c TL			
AP111	DD	330870	2017603	18º 14' 28.07" N	73º 24' 1.22" E		71561	29°45'6.6"R		Raigad	Mahad	Nerav
						229						
AP112	DB	330657	2017516	18º 14' 25.19" N	73º 23' 54.02" E		71791	0°32'14.9"L		Raigad	Mahad	Nerav
						760						
AP113	DB	329957	2017222	18º 14' 15.43" N	73º 23' 30.26" E		72550	5°36'58"L		Raigad	Mahad	Nerav
						786						

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop In)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP114	DD	329265	2016849	18º 14' 3.08" N	73º 23' 6.83" E		73337	34°8'45.2"L		Raigad	Mahad	Nerav
						530						
AP115	DC	328738	2016902	18º 14' 4.67" N	73º 22' 48.86" E		73867	21°35'51.9"R		Raigad	Mangaon	Gharoshi
						634						
AP116	DC	328174	2017194	18º 14' 13.99" N	73º 22' 29.6" E		74501	21°17'7.7"L		Raigad	Mangaon	Gharoshi
						945						
AP117	DB	327235	2017294	18º 14' 16.98" N	73º 21' 57.6" E		75446	7°26'28.8"R		Raigad	Mangaon	Palasgaon Bk.
						817						
AP118	DB	326418	2017275	18º 14' 16.12" N	73º 21' 29.81" E		76262	3°58'7.9"L		Raigad	Mangaon	Palasgaon Bk.
						904						
AP119	DB	325519	2017191	18º 14' 13.13" N	73º 20' 59.21" E		77166	13°21'14.5"L		Raigad	Mangaon	Palasgaon Bk.
						990						
AP120	DD	324538	2017329	18º 14' 17.34" N	73º 20' 25.8" E		78156	38°29'55.1"R		Raigad	Mangaon	Palasgaon Bk. Adivasiwadi , Khardi Kh.
						454						
AP121	DB	324226	2017659	18º 14' 27.96" N	73º 20' 15.07" E		78610	10°35'43.7"L		Raigad	Mangaon	Palasgaon Bk. Adivasiwadi , Khardi Kh.
						575			Kalkhaira Nadi			
AP122	DC	323761	2017996	18º 14' 38.8" N	73º 19' 59.12" E		79185	27°12'3.6"L		Raigad	Mangaon	Tamhane Tarf
						341						
AP123	DD	323424	2018048	18º 14' 40.38" N	73º 19' 47.64" E		79526	7°41'22.1"L		Raigad	Mangaon	Tamhane Tarf
						242			220 kV D/c TL & 220 kV D/c TL			
AP124	DD	323182	2018052	18º 14' 40.45" N	73º 19' 39.4" E		79768	7°23'37.2"R		Raigad	Mangaon	Tamhane Tarf
						1258						
AP125	DD	321931	2017913	18º 14' 35.56" N	73º 18' 56.88" E		81026	35°10'10.3"L		Raigad	Mangaon	Hodgaon
						878			Kal River			
AP126	DB	321162	2018336	18º 14' 49.09" N	73º 18' 30.56" E		81904	14°28'44.9"R		Raigad	Mangaon	Mangaon (NP)
						1055						
AP127	DB	320395	2019060	18º 15' 12.38" N	73º 18' 4.21" E		82958	10°58'31.6"R		Raigad	Mangaon	Mangaon (NP)
						508						
AP128	DD	320098	2019472	18º 15' 25.7" N	73º 17' 53.99" E		83466	24°53'41.9"L		Raigad	Mangaon	Mangaon (NP)
						115						
GANTRY		319998	2019528	18º 15' 27.5" N	73º 17' 50.57" E		83581		**Proposed 765/400/220 kV Kandalgaon Sub Station**	Raigad	Mangaon	Mangaon (NP)

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*The details Dist. Tehsil & Village provided is based on the data available at Survey of India. Bidders may note that the details provided in the Survey Report are to facilitate the Bidders to locate the tentative line route and these should not be consider as the point of termination/emanation of transmission line.

Note:- Tower type has been proposed based on following-

Tower type	Angle
A/DA	**0-2°**
B/DB	**2-15°**
C/DC	**15-30°**
D/DD/DDE (Dead end)	**30-60°**

However for SH, NH, Railway, power line, river has been considered upon the merit of the prevailing site condition and line deviation requirement.

- Monopoles are to be erected in the Urban areas where RoW constraint exist.

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6.4 SUMMARY OF PROPOSED ROUTE

Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
1	Bee line length	75.62 km
	Line Length	83.58 km
	a) Plain	58%
	b) Undulated terrain	42%
2	Terrain	Plain & Hilly
3	Snow bound Route (in Meters)	Nil
4	Length of line in heavy rainfall area which may affect working season (in Meters)	Nil
5	a) Angle Points	128 Nos.
6	Forest	6751 m (Reserved=1823, forest=4928 m)
	b) Protected Forest	Nil
	c) Reserved Forest	1823 m
	d) Open Scrub	Along the Route
7	Wildlife infringement	Nil
8	Animal/Bird Sanctuary	Nil
9	Infringement of endangered species habitat	Nil
10	National Park	Nil
11	Great Indian Bustard (GIB) area (Priority/ Potential Zone)	Nil
12	Creek, Marshy and low-laying area	Nil
13	No. of Pile/Special Foundation required	Nil
14	Transportation & Maintenance	Available
15	Power Line crossings (110kV & above)	4 Nos.
16	Telecom Line Crossing	Nil
17	Railway crossings	Nil
18	Airport/Air strip	Pune International Airport (from nearest pt. of line Approx. 37 km)
19	Upcoming Airport/Aviation zone/Airforce Station	Nil
20	Army cantonment/Mining/No go areas/Airstrips	Nil
21	River crossings	Yes
	a) Major	Nil
	b) Minor	13 Nos.
22	NH Crossings	1 Nos.
23	SH Crossings	2 Nos.
24	Existing Gas/Petroleum/Oil Pipeline	Nil
25	Proposed Gas/Petroleum/Oil Pipeline	Nil
26	Circle rate of Land (per Acre)	-
27	Land Availability (if required for Acquisition)	Available
	i) Extent of land available	Available
	ii) Land use pattern (agricultural, barren, forest etc.)	Agricultural
	iii) Land ownership (Govt. Private, tribal, non-tribal etc.)	Private & Govt.
28	Approaches for construction	Available
29	Wind Zone	2 & 3
30	Wind Zone to be considered inclusive of overlapping Zone	3
31	Seismic Zone	3 & 4
32	State	Maharashtra

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Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
33	District	Raigad , Pune

6.5 POWER LINE CROSSING (110 kV & ABOVE)

Powerline Crossing			
Sl No.	**Circuit Details**	**Voltage rating in kV / Crossing**	**Crossing in between Angle Point**
1	Single Circuit	132 kV	AP-16-AP-17
2	Single Circuit	220 kV	AP-110-AP-111
3	Double Circuit	220 kV	AP-123-AP-124
4	Double Circuit	220 kV	AP-123-AP-124

6.6 RAILWAY LINE CROSSINGS

Railway Line Crossing						
Sl No.	**Name of the Railway Line**	**Type of Gauge Broad / Meter / Narrow**	**Single/Double Line**	**Electrified / Non-Electrified**	**Remarks (Crossing in Between Locs.)**	**Pol. No**
Nil						

6.7 NATIONAL HIGHWAY/ STATE HIGHWAY CROSSING

National Highway/State Highway Crossings				
Sl No.	**Name of the Road**	**Type Of Road National Highway / State Highway**	**Nearest City/Town from Crossing**	**Remarks (Crossing Between Loc. No.)**
1	NH-48 Shindevadi-Satara	National Highway	Satara	AP-10-AP-11
2	SH-65 Valhe-Pasali	State Highway	Velhe	AP-71-AP-72
3	SH-97 Wakan-Pali-Khopoli	State Highway	Pachad	AP-105-AP-106

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6.8 FOREST DETAILS (RF/PF)

Forest Crossing					
Sl No.	**Section AP to AP**	**Name of the Forest**	**Type of Forest (Reserved/ Protected/Social/ Revenue**	**Forest Stretches (m)**	**Forest Stretches (Sqm)**
1	AP-59-AP-74	Forest	Forest	4315	289105
2	AP-81-AP-83	Forest	Forest	613	41071
3	AP-87-AP-89	Reserved Forest	Reserved Forest	348	23316
4	AP-89-AP-91	Reserved Forest	Reserved Forest	582	38994
5	AP-92-AP-94	Reserved Forest	Reserved Forest	893	59831
Total				**6,751**	**4,52,317**

6.9 WILDLIFE SANCTUARY /CORRIDOR

Wildlife/Elephant Corridor/Bird Sanctuary/GIB Crossing					
Sl No.	**Section AP to AP**	**Name of the Wildlife**	**Type of Wildlife (Reserved/Protected/Social/Revenue**	**Wildlife Stretches(m)**	**Forest Stretches (Sqm)**
Nil					

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6.10 RIVER CROSSINGS

River Crossing								
Sl No.	**Name of River**	**Approximate Span in Meters (bank to bank width)**	**Perennial / Weathered Flow**	**HFL Information**	**Navigable / Non - Navigable**	**Remarks (Crossing in Between Loc. No.)**	**Pile Foundation required**	**Mid-span Piles required**
1	Gunjawani River	70	Weathered Flow	NA	Non - Navigable	AP-18-AP-19	NA	NA
2	Gunjawani River	65	Weathered Flow	NA	Non - Navigable	AP-20-AP-21	NA	NA
3	Shivganga River	42	Weathered Flow	NA	Non - Navigable	AP-22-AP-23	NA	NA
4	Gunjawani River	65	Weathered Flow	NA	Non - Navigable	AP-23-AP-24	NA	NA
5	Gunjawani River	65	Weathered Flow	NA	Non - Navigable	AP-34-AP-35	NA	NA
6	Gunjawani River	41	Weathered Flow	NA	Non - Navigable	AP-37-AP-38	NA	NA
7	Gunjawani River	70	Weathered Flow	NA	Non - Navigable	AP-38-AP-39	NA	NA
8	Gunjawani River	55	Weathered Flow	NA	Non - Navigable	AP-40-AP41	NA	NA
9	Gunjawani River	55	Weathered Flow	NA	Non - Navigable	AP-45-AP-46	NA	NA
10	Kal River	70	Weathered Flow	NA	Non - Navigable	AP-94-AP-95	NA	NA
11	Kal River	100	Weathered Flow	NA	Non - Navigable	AP-95-AP-96	NA	NA
12	Kalkhaira Nadi	20	Weathered Flow	NA	Non - Navigable	AP-121-AP-122	NA	NA
13	Kal River	102	Weathered Flow	NA	Non - Navigable	AP-125-AP-126	NA	NA

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7.0 LILO ON 765 kV D/C LINE FROM SATARA (PROPOSED) TO PUNE-III (PROPOSED) AT 765 kV AIS KANDALGAON (LOOP OUT)

7.1 COORDINATES OF BOTH END

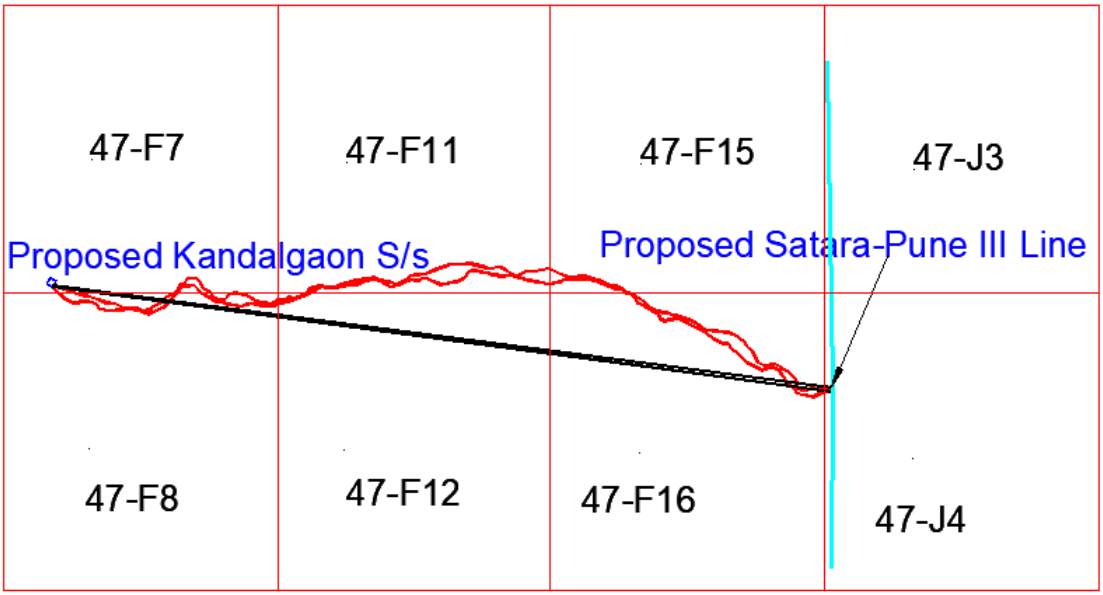
Element	Latitude	Longitude
Proposed 765 kV Kandalgaon Substation (Start)	18º 15' 31.72" N	73º 17' 52.58" E
Loop Out Tapping Point 765 kV Satara- Pune III line (End)	18º 15' 27.5" N	73º 17' 50.57" E

Note:- Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the agency providing inter Connection facility for exact point of termination /emanation of transmission line.

Further, it is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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7.2 INDEX MAP OF SOI TOPOSHEETS SURVEY OF INDIA TOPOSHEETS (1:50000 SCALE)



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7.3 COORDINATES OF ANGLE POINTS (AP NO.) OF PROPOSED ROUTE

LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
GANTRY		320059	2019657	18º 15' 31.72" N	73º 17' 52.58" E		0		**Proposed 765/400/220 kV Kandalgaon Sub Station**	Raigad	Mangaon	Khardi Bk.
						115						
AP1	DD	320162	2019606	18º 15' 30.1" N	73º 17' 56.11" E		115	1°39'4.9"R		Raigad	Mangaon	Khardi Bk.
						837						
AP2	DD	320902	2019215	18º 15' 17.6" N	73º 18' 21.42" E		952	35°24'46.9"L		Raigad	Mangaon	Mangaon (NP)
						260			Kal River			
AP3	DD	321159	2019250	18º 15' 18.79" N	73º 18' 30.17" E		1211	31°16'1.4"R		Raigad	Mangaon	Panose
						810			Kal River			
AP4	DB	321901	2018924	18º 15' 8.42" N	73º 18' 55.51" E		2021	8°59'5.2"L		Raigad	Mangaon	Gangawali
						1318						
AP5	DD	323175	2018589	18º 14' 57.91" N	73º 19' 39" E		3339	15°49'37.6"L		Raigad	Mangaon	Gangawali
						234			220 kV D/c TL & 220 kV D/c TL			
AP6	DD	323409	2018594	18º 14' 58.13" N	73º 19' 46.96" E		3573	22°46'44.2"R		Raigad	Mangaon	Tamhane Tarf
						561						
AP7	DB	323930	2018386	18º 14' 51.54" N	73º 20' 4.78" E		4134	0°52'17.9"L		Raigad	Mangaon	Tamhane Tarf , Palasgaon Kh.
						1347			Kalkhaira River			
AP8	DC	325190	2017908	18º 14' 36.35" N	73º 20' 47.8" E		5481	15°39'58.9"L		Raigad	Mangaon	Palasgaon Bk.
						824						
AP9	DC	326011	2017834	18º 14' 34.19" N	73º 21' 15.77" E		6306	19°47'6.6"R		Raigad	Mangaon	Palasgaon Bk.
						857						
AP10	DC	326788	2017473	18º 14' 22.67" N	73º 21' 42.34" E		7163	19°59'57.5"L		Raigad	Mangaon	Palasgaon Bk.
						1223						
AP11	DC	328007	2017368	18º 14' 19.61" N	73º 22' 23.84" E		8386	15°33'55.2"R		Raigad	Mangaon	Gharoshi
						826						
AP12	DD	328781	2017079	18º 14' 10.43" N	73º 22' 50.27" E		9212	39°42'40.6"L		Raigad	Mangaon	Gharoshi
						561						
AP13	DC	329310	2017263	18º 14' 16.58" N	73º 23' 8.23" E		9772	23°48'26.8"L		Raigad	Mangaon	Gharoshi
						443						
AP14	DC	329634	2017566	18º 14' 26.52" N	73º 23' 19.18" E		10216	23°40'17.9"R		Raigad	Mahad	Nerav

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						759						
AP15	DD	330350	2017818	18º 14' 34.91" N	73º 23' 43.48" E		10975	36°53'53.2"L		Raigad	Mahad	Nerav
						367			220 kV S/c TL			
AP16	DD	330554	2018122	18º 14' 44.88" N	73º 23' 50.32" E		11342	15°38'39.7"R		Raigad	Mahad	Nerav
						380						
AP17	DB	330843	2018370	18º 14' 53.02" N	73º 24' 0.07" E		11722	14°20'50.9"R		Raigad	Mahad	Punade Tarf Nate
						590						
AP18	DB	331371	2018631	18º 15' 1.66" N	73º 24' 18" E		12312	4°18'26.5"R		Raigad	Mahad	Konzar
						316						
AP19	DD	331664	2018749	18º 15' 5.58" N	73º 24' 27.94" E		12628	30°44'22.2"L		Raigad	Mahad	Pachad
						376						
AP20	DB	331892	2019048	18º 15' 15.37" N	73º 24' 35.6" E		13004	7°43'48.7"L		Raigad	Mahad	Pachad
						379						
AP21	DB	332079	2019377	18º 15' 26.14" N	73º 24' 41.87" E		13382	9°3'43.7"R		Raigad	Mahad	Pachad
						426						
AP22	DD	332345	2019711	18º 15' 37.04" N	73º 24' 50.83" E		13809	35°27'2.3"R		Raigad	Mahad	Pachad
						219			SH.97 Wakan-Pali-Khopoli			
AP23	DD	332556	2019771	18º 15' 39.06" N	73º 24' 58" E		14028	35°27'17.3"L		Raigad	Mahad	Pachad
						182						
AP24	DB	332670	2019912	18º 15' 43.7" N	73º 25' 1.81" E		14209	4°53'37.6"L		Raigad	Mahad	Pachad
						274						
AP25	DC	332822	2020140	18º 15' 51.16" N	73º 25' 6.92" E		14483	28°44'21.7"R		Raigad	Mahad	Amdoshi
						285						
AP26	DC	333075	2020272	18º 15' 55.51" N	73º 25' 15.49" E		14768	26°31'32.5"R		Raigad	Mahad	Amdoshi
						722						
AP27	DD	333797	2020285	18º 15' 56.12" N	73º 25' 40.08" E		15491	52°30'35.9"R		Raigad	Mahad	Amdoshi
						382						
AP28	DB	334034	2019986	18º 15' 46.48" N	73º 25' 48.25" E		15872	3°46'0.4"R		Raigad	Mahad	Nijampur
						809						
AP29	DC	334495	2019321	18º 15' 24.98" N	73º 26' 4.13" E		16681	19°20'26.7"L		Raigad	Mahad	Nijampur
						748						
AP30	DB	335100	2018882	18º 15' 10.88" N	73º 26' 24.87" E		17429	13°22'52.7"R		Raigad	Mahad	Nijampur
						410						
AP31	DB	335367	2018572	18º 15' 0.85" N	73º 26' 34.04" E		17839	9°24'45.7"L		Raigad	Mahad	Nijampur
						549						
AP32	DD	335788	2018220	18º 14' 49.52" N	73º 26' 48.47" E		18387	41°39'50.9"L		Raigad	Mahad	Nijampur

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						759						
AP33	DD	336547	2018243	18º 14' 50.49" N	73º 27' 14.3" E		19146	43°4'20.7"L		Raigad	Mahad	Vagheri
						509						
AP34	DA	336908	2018602	18º 15' 2.27" N	73º 27' 26.5" E		19656	2°24'9.9"L		Raigad	Mahad	Vagheri
						248			Kal River			
AP35	DD	337077	2018785	18º 15' 8.24" N	73º 27' 32.18" E		19904	39°24'36.4"R		Raigad	Mahad	Warangi
						406			Road , Kal River			
AP36	DC	337479	2018840	18º 15' 10.15" N	73º 27' 45.86" E		20310	18°53'20.6"R		Raigad	Mahad	Warangi
						1114						
AP37	DB	338573	2018626	18º 15' 3.49" N	73º 28' 23.16" E		21425	13°47'35.1"R		Raigad	Mahad	Pane
						702						
AP38	DB	339210	2018331	18º 14' 54.06" N	73º 28' 44.94" E		22127	9°35'10.7"R		Raigad	Mahad	Pane
						408			Kal River			
AP39	DC	339547	2018100	18º 14' 46.64" N	73º 28' 56.46" E		22535	27°56'40.4"L		Raigad	Mahad	Pane
						727						
AP40	DB	340270	2018018	18º 14' 44.16" N	73º 29' 21.08" E		23263	6°47'31.7"R		Raigad	Mahad	Pane
						758						
AP41	DD	341007	2017843	18º 14' 38.69" N	73º 29' 46.25" E		24021	43°44'21.7"L		Raigad	Mahad	Dapoli
						666						
AP42	DC	341581	2018181	18º 14' 49.81" N	73º 30' 5.69" E		24686	25°19'15.7"R		Raigad	Mahad	Dapoli
						761			Reserved Forest			
AP43	DC	342339	2018249	18º 14' 52.22" N	73º 30' 31.46" E		25447	20°42'14.5"L		Raigad	Mahad	Dapoli
						402			Reserved Forest			
AP44	DC	342701	2018424	18º 14' 58.02" N	73º 30' 43.74" E		25849	27°5'49.3"R		Raigad	Mahad	Dapoli
						553			Reserved Forest			
AP45	DB	343254	2018412	18º 14' 57.77" N	73º 31' 2.57" E		26402	12°33'43.3"L		Pune	Velhe	Singapur
						386						
AP46	DB	343632	2018487	18º 15' 0.32" N	73º 31' 15.42" E		26788	10°24'42.6"L		Pune	Velhe	Singapur
						449						
AP47	DB	344049	2018653	18º 15' 5.83" N	73º 31' 29.57" E		27237	8°23'24"L		Pune	Velhe	Singapur
						431						
AP48	DC	344422	2018869	18º 15' 12.96" N	73º 31' 42.2" E		27668	20°9'14"L		Raigad	Mahad	Ekalgaon
						508			Forest			
AP49	DD	344746	2019259	18º 15' 25.74" N	73º 31' 53.15" E		28175	30°45'30.1"R		Pune	Velhe	Harpud
						1057			Forest			
AP50	DD	345743	2019612	18º 15' 37.48" N	73º 32' 26.99" E		29233	34°13'4.1"R		Pune	Velhe	Harpud

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						467						
AP51	DB	346195	2019494	18º 15' 33.73" N	73º 32' 42.4" E		29700	8°11'54.4"L		Pune	Velhe	Harpud
						324						
AP52	DB	346517	2019457	18º 15' 32.62" N	73º 32' 53.38" E		30024	10°35'32.2"L		Pune	Velhe	Harpud
						576						
AP53	DB	347092	2019497	18º 15' 34.09" N	73º 33' 12.92" E		30600	10°45'5.7"L		Pune	Velhe	Varoti Bk
						735						
AP54	DB	347803	2019686	18º 15' 40.39" N	73º 33' 37.08" E		31335	3°13'14.3"L		Pune	Velhe	Varoti Bk
						1304			Forest			
AP55	DB	349043	2020089	18º 15' 53.84" N	73º 34' 19.19" E		32639	13°20'24.7"R		Pune	Velhe	Varoti Bk
						1079			Forest			
AP56	DC	350118	2020178	18º 15' 56.99" N	73º 34' 55.77" E		33718	17°45'9.2"L		Pune	Velhe	Kolambi
						336			Forest			
AP57	DB	350428	2020306	18º 16' 1.23" N	73º 35' 6.29" E		34054	7°5'56.9"R		Pune	Velhe	Kolambi
						421			Forest			
AP58	DD	350834	2020417	18º 16' 4.96" N	73º 35' 20.09" E		34475	38°12'0.1"R		Pune	Velhe	Kolambi
						699			Forest			
AP59	DD	351478	2020146	18º 15' 56.29" N	73º 35' 42.1" E		35174	16°40'1.6"L		Pune	Velhe	Kolambi
						215			SH.65-Valhe-Pasali, Forest			
AP60	DD	351692	2020123	18º 15' 55.59" N	73º 35' 49.37" E		35389	22°3'3.1"R		Pune	Velhe	Jadhavwadi
						392			Forest			
AP61	DC	352037	2019937	18º 15' 49.64" N	73º 36' 1.19" E		35781	23°23'50.5"L		Pune	Velhe	Jadhavwadi
						332			Forest			
AP62	DB	352368	2019909	18º 15' 48.82" N	73º 36' 12.46" E		36113	12°10'32.5"R		Pune	Velhe	Ghera prachaadgad
						586			Forest			
AP63	DD	352928	2019738	18º 15' 43.38" N	73º 36' 31.57" E		36699	37°36'3.7"L		Pune	Velhe	Ghera prachaadgad
						780			Forest			
AP64	DC	353659	2020012	18º 15' 52.49" N	73º 36' 56.38" E		37479	18°38'0.1"L		Pune	Velhe	Ghera prachaadgad
						680			Forest			
AP65	DC	354185	2020442	18º 16' 6.6" N	73º 37' 14.2" E		38159	20°58'31"R		Pune	Velhe	Ghera prachaadgad
						359			Forest			
AP66	DB	354527	2020555	18º 16' 10.34" N	73º 37' 25.79" E		38518	11°17'14.2"R		Pune	Velhe	Metpilaware
						370			Forest			

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP67	DB	354894	2020599	18º 16' 11.89" N	73º 37' 38.28" E		38888	1°24'22.9"R		Pune	Velhe	Metpilaware
						924						
AP68	DC	355813	2020689	18º 16' 15.02" N	73º 38' 9.56" E		39812	17°13'3.5"L		Pune	Velhe	Metpilaware
						806			Forest			
AP69	DB	356557	2021001	18º 16' 25.36" N	73º 38' 34.8" E		40618	1°29'45.5"R		Pune	Velhe	Charhat Wadi
						1215			Forest			
AP70	DB	357689	2021442	18º 16' 39.97" N	73º 39' 13.25" E		41834	3°40'13.2"R		Pune	Velhe	Pal Bk.
						644						
AP71	DC	358303	2021637	18º 16' 46.45" N	73º 39' 34.09" E		42477	17°10'7.6"R		Pune	Velhe	Pal Bk.
						667						
AP72	DB	358970	2021642	18º 16' 46.78" N	73º 39' 56.81" E		43144	3°39'58.9"L		Pune	Velhe	Vajeghar Bk.
						1102						
AP73	DC	360069	2021720	18º 16' 49.6" N	73º 40' 34.23" E		44247	18°43'14.5"R		Pune	Velhe	Vajeghar Kh
						1657						
AP74	DB	361673	2021302	18º 16' 36.37" N	73º 41' 28.93" E		45904	6°52'6.1"R		Pune	Velhe	Lavhi Bk
						249						
AP75	DC	361905	2021211	18º 16' 33.46" N	73º 41' 36.85" E		46153	23°23'25.7"L		Pune	Velhe	Lavhi Bk
						329						
AP76	DC	362234	2021222	18º 16' 33.89" N	73º 41' 48.05" E		46482	15°6'31"L		Pune	Velhe	Lavhi Bk
						451						
AP77	DC	362665	2021354	18º 16' 38.28" N	73º 42' 2.7" E		46933	25°53'42.7"R		Pune	Velhe	Meravane
						571						
AP78	DC	363230	2021266	18º 16' 35.54" N	73º 42' 21.95" E		47505	25°9'42.2"R		Pune	Velhe	Meravane
						561						
AP79	DB	363694	2020952	18º 16' 25.43" N	73º 42' 37.85" E		48066	8°44'47.3"L		Pune	Velhe	Meravane
						944			Gunjawani River , Road			
AP80	DD	364548	2020548	18º 16' 12.51" N	73º 43' 7" E		49009	33°3'12.1"L		Pune	Velhe	Chitmodi
						403			Gunjawani River			
AP81	DC	364947	2020603	18º 16' 14.37" N	73º 43' 20.58" E		49412	21°31'13.3"L		Pune	Velhe	Sakhar
						632						
AP82	DC	365498	2020912	18º 16' 24.55" N	73º 43' 39.28" E		50044	26°15'26.6"R		Pune	Velhe	Sakhar
						846			Gunjawani River			
AP83	DB	366343	2020956	18º 16' 26.19" N	73º 44' 8.03" E		50890	8°56'58"L		Pune	Velhe	Sakhar
						1281			Gunjawani River			
AP84	DD	367596	2021222	18º 16' 35.11" N	73º 44' 50.64" E		52171	37°11'49.5"R		Pune	Velhe	Margasani , Askavadi
						1330						

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP85	DB	368800	2020655	18º 16' 16.93" N	73º 45' 31.75" E		53502	4°46'24.5"L		Pune	Velhe	Adavali
						909						
AP86	DC	369652	2020337	18º 16' 6.78" N	73º 46' 0.84" E		54411	25°16'7.6"L		Pune	Velhe	Adavali
						1539						
AP87	DB	371186	2020466	18º 16' 11.32" N	73º 46' 53.04" E		55950	14°45'6.1"R		Pune	Velhe	Karan Jawane
						400						
AP88	DB	371579	2020397	18º 16' 9.16" N	73º 47' 6.47" E		56350	11°42'52.9"R		Pune	Velhe	Karan Jawane
						421						
AP89	DB	371971	2020242	18º 16' 4.19" N	73º 47' 19.82" E		56771	4°16'22.2"L		Pune	Velhe	Chinchale Bk
						984						
AP90	DB	372910	2019948	18º 15' 54.83" N	73º 47' 51.86" E		57755	12°32'12.8"R		Pune	Velhe	Ambavane
						718						
AP91	DC	373532	2019590	18º 15' 43.31" N	73º 48' 13.14" E		58473	24°49'1.4"L		Pune	Bhor	Sangvi Bk.
						591						
AP92	DB	374121	2019537	18º 15' 41.72" N	73º 48' 33.19" E		59064	14°7'17"R		Pune	Bhor	Sangvi Bk.
						572						
AP93	DC	374661	2019349	18º 15' 35.71" N	73º 48' 51.62" E		59636	23°30'59.8"R		Pune	Bhor	Sangvi Bk.
						401						
AP94	DB	374955	2019077	18º 15' 26.93" N	73º 49' 1.7" E		60037	9°23'4"L		Pune	Bhor	Sangvi Bk.
						289			Gunjawani River			
AP95	DC	375196	2018918	18º 15' 21.82" N	73º 49' 9.95" E		60326	23°35'43.4"L		Pune	Bhor	Tambhad
						556						
AP96	DC	375744	2018824	18º 15' 18.86" N	73º 49' 28.63" E		60882	25°38'50.4"R		Pune	Bhor	Tambhad
						1417						
AP97	DB	376899	2018003	18º 14' 52.4" N	73º 50' 8.12" E		62298	12°30'0.2"R		Pune	Bhor	Tambhad
						765						
AP98	DC	377412	2017435	18º 14' 34.04" N	73º 50' 25.71" E		63064	23°35'56"L		Pune	Bhor	Tambhad
						793						
AP99	DB	378135	2017109	18º 14' 23.57" N	73º 50' 50.39" E		63857	11°26'50.9"L		Pune	Bhor	Hatave Kh.
						568						
AP100	DB	378688	2016983	18º 14' 19.57" N	73º 51' 9.25" E		64424	8°3'44.8"L		Pune	Bhor	Hatave Bk.
						386						
AP101	DC	379073	2016950	18º 14' 18.6" N	73º 51' 22.36" E		64810	21°52'11.9"R		Pune	Bhor	Hatave Bk.
						407						
AP102	DC	379436	2016768	18º 14' 12.73" N	73º 51' 34.78" E		65217	21°48'13.7"L		Pune	Bhor	Hatave Bk.
						408						
AP103	DB	379843	2016733	18º 14' 11.69" N	73º 51' 48.64" E		65626	13°39'13.7"R		Pune	Bhor	Hatave Bk. ,

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
												Nidhan , Sangvi Kh.
						1774			Gunjawani River , Shivganga River			
AP104	DC	381525	2016170	18º 13' 53.7" N	73º 52' 46.01" E		67399	17°13'47.6"R		Pune	Bhor	Khadki
						1516						
AP105	DC	382755	2015284	18º 13' 25.14" N	73º 53' 28.07" E		68915	29°56'55.1"L		Pune	Bhor	Umbare , Harishchandri
						2200						
AP106	DC	384944	2015062	18º 13' 18.34" N	73º 54' 42.62" E		71115	17°15'15.6"R		Pune	Bhor	Kapurhop
						235						
AP107	DC	385160	2014970	18º 13' 15.38" N	73º 54' 50" E		71350	22°42'49"L		Pune	Bhor	Kapurhop
						141						
AP108	DD	385301	2014969	18º 13' 15.38" N	73º 54' 54.79" E		71490	29°11'58.8"R		Pune	Bhor	Kapurhop
						213			132 kV S/c TL			
AP109	DD	385486	2014864	18º 13' 12" N	73º 55' 1.13" E		71703	3°52'15.7"R		Pune	Bhor	Nigade
						1186						
AP110	DC	386476	2014211	18º 12' 50.94" N	73º 55' 34.97" E		72890	28°10'21.8"R		Pune	Bhor	Dhangawadi
						536						
AP111	DB	386732	2013739	18º 12' 35.64" N	73º 55' 43.75" E		73426	12°39'43.9"L		Pune	Bhor	Dhangawadi
						689						
AP112	DB	387184	2013220	18º 12' 18.83" N	73º 55' 59.27" E		74115	8°38'47.2"R		Pune	Bhor	Kikavi
						1172						
AP113	DC	387813	2012230	18º 11' 46.75" N	73º 56' 20.87" E		75288	26°1'54.5"L		Pune	Bhor	Kikavi
						564						
AP114	DD	388294	2011935	18º 11' 37.25" N	73º 56' 37.28" E		75852	31°26'54.1"L		Pune	Bhor	Kikavi
						524						
AP115	DD	388817	2011934	18º 11' 37.32" N	73º 56' 55.1" E		76375	16°34'55.7"L		Pune	Bhor	Kikavi
						241			N.H-48-Shindevadi-Satara			
AP116	DD	389048	2012003	18º 11' 39.59" N	73º 57' 2.95" E		76616	11°18'29.3"R		Pune	Bhor	Kikavi
						426						
AP117	DD	389473	2012041	18º 11' 40.92" N	73º 57' 17.39" E		77042	36°59'57.7"R		Pune	Bhor	Sarole
						748						
AP118	DB	390108	2011647	18º 11' 28.21" N	73º 57' 39.1" E		77790	5°9'30.7"R		Pune	Bhor	Sarole
						703						
AP119	DB	390670	2011225	18º 11' 14.57" N	73º 57' 58.28" E		78493	1°55'31.4"R		Pune	Bhor	Savardare
						940						

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LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon (Loop Out)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP120	DD	391401	2010634	18º 10' 55.49" N	73º 58' 23.3" E		79433	30°22'30.8"R		Pune	Bhor	Savardare
						359						
AP121	DD	391528	2010298	18º 10' 44.59" N	73º 58' 27.7" E		79792	30°46'34.2"R		Pune	Bhor	Pande
						259						
AP122	DC	391483	2010043	18º 10' 36.29" N	73º 58' 26.21" E		80051	29°29'23.8"L		Pune	Bhor	Pande
						385						
AP123	DD	391611	2009680	18º 10' 24.5" N	73º 58' 30.64" E		80436	43°48'1.4"L		Pune	Bhor	Pande
						423						
AP124	DC	391989	2009490	18º 10' 18.37" N	73º 58' 43.54" E		80859	25°15'22.8"L		Pune	Bhor	Pande
						322						
AP125	DC	392311	2009481	18º 10' 18.16" N	73º 58' 54.48" E		81181	20°0'37"L		Pune	Bhor	Rajapur
						652						
AP126	DC	392929	2009688	18º 10' 25" N	73º 59' 15.47" E		81832	26°4'45.1"R		Pune	Bhor	Rajapur
						806						
AP127	DB	393728	2009582	18º 10' 21.68" N	73º 59' 42.68" E		82638	14°8'53.8"L		Pune	Bhor	Bhambavade
						941						
AP128	DC	394662	2009690	18º 10' 25.36" N	74º 0' 14.47" E		83579	27°30'44.9"L		Pune	Bhor	Bhambavade
						212						
AP129	DD	394838	2009808	18º 10' 29.24" N	74º 0' 20.41" E		83791	37°57'25.5"R		Pune	Bhor	Bhongvali
						107						
TAP POINT		394944	2009801	18º 10' 29.03" N	74º 0' 24.05" E		83898		**LILO Point**	Pune	Bhor	Bhongvali

*****The details Dist. Tehsil & Village provided is based on the data available at Survey of India. Bidders may note that the details provided in the Survey Report are to facilitate the Bidders to locate the tentative line route and these should not be consider as the point of termination/emanation of transmission line.

Note:- Tower type has been proposed based on following-

Tower type	Angle
A/DA	**0-2º**
B/DB	**2-15º**
C/DC	**15-30º**
D/DD/DDE (Dead end)	**30-60º**

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However for SH, NH, Railway, power line, river has been considered upon the merit of the prevailing site condition and line deviation requirement.

- Monopoles are to be erected in the Urban areas where RoW constraint exist.

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7.4 SUMMARY OF PROPOSED ROUTE

Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
1	Bee line length	75.54 km
	Line Length	83.89 km
	a) Plain	58%
	b) Undulated terrain	42%
2	Terrain	Plain & Hilly
3	Snow bound Route (in Meters)	Nil
4	Length of line in heavy rainfall area which may affect working season (in Meters)	Nil
5	a) Angle Points	129 Nos.
6	Forest	7815 m (Reserved=1223, forest=6592 m)
	b) Protected Forest	Nil
	c) Reserved Forest	1223 m
	d) Open Scrub	Along the Route
7	Wildlife infringement	Nil
8	Animal/Bird Sanctuary	Nil
9	Infringement of endangered species habitat	Nil
10	National Park	Nil
11	Great Indian Bustard (GIB) area (Priority/ Potential Zone)	Nil
12	Creek, Marshy and low-laying area	Nil
13	No. of Pile/Special Foundation required	Nil
14	Transportation & Maintenance	Available
15	Power Line crossings (110kV & above)	4 Nos.
16	Telecom Line Crossing	Nil
17	Railway crossings	Nil
18	Airport/Air strip	Pune International Airport
19	Upcoming Airport/Aviation zone/Airforce Station	Nil
20	Army cantonment/Mining/No go areas/Airstrips	Nil
21	River crossings	Yes

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Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
	a) Major	Nil
	b) Minor	13 Nos.
22	NH Crossings	1 Nos.
23	SH Crossings	2 Nos.
24	Existing Gas/Petroleum/Oil Pipeline	Nil
25	Proposed Gas/Petroleum/Oil Pipeline	Nil
26	Circle rate of Land (per Acre)	-
27	Land Availability (if required for Acquisition)	Available
	i) Extent of land available	Available
	ii) Land use pattern (agricultural, barren, forest etc.)	Agricultural
	iii) Land ownership (Govt. Private, tribal, non-tribal etc)	Govt. & Private
28	Approaches for construction	Available
29	Wind Zone	2 & 3
30	Wind Zone to be considered inclusive of overlapping Zone	3
31	Seismic Zone	3 & 4
32	State	Maharashtra
33	District	Raigad , Pune

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7.5 POWER LINE CROSSING

Powerline Crossing			
Sl No.	**Circuit Details**	**Voltage rating in kV / Crossing**	**Crossing in between Angle Point**
1	Double Circuit	220 kV	AP-5-AP-6
2	Double Circuit	220 kV	AP-5-AP-6
3	Single Circuit	220 kV S/c	AP-15-AP-16
4	Single Circuit	132 kV	AP-108-AP-109

7.6 RAILWAY LINE CROSSINGS

Railway Line Crossing						
Sl No.	**Name of the Railway Line**	**Type of Gauge Broad / Meter / Narrow**	**Single/Double Line**	**Electrified / Non-Electrified**	**Remarks (Crossing in Between Locs.)**	**Pol. No**
Nil						

7.7 NATIONAL HIGHWAY/ STATE HIGHWAY CROSSING

National Highway/State Highway Crossings				
Sl No.	**Name of the Road**	**Type Of Road National Highway / State Highway**	**Nearest City/Town from Crossing**	**Remarks (Crossing Between Loc. No.)**
1	Wakan-Pali-Khopoli	SH-97	Pachad	AP-22-AP-23
2	Valhe-Pasali	SH-65	Velhe	AP-59-AP-60
3	Shindevadi-Satara	NH-48	Satara	AP-115-AP-116

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7.8 FOREST DETAILS (RF/PF)

Forest Crossing					
Sl. No	**Section AP to AP**	**Name of the Forest**	**Type of Forest (Reserved/Protected/Social/ Revenue**	**Forest Stretches (m)**	**Forest Stretches (Sqm)**
1	AP-39-AP-40	Reserved Forest	Reserved Forest	260	17420
2	AP-42-AP-43	Reserved Forest	Reserved Forest	380	25460
3	AP-43-AP-45	Reserved Forest	Reserved Forest	583	39061
4	AP-48-AP-50	Forest	Forest	755	50585
5	AP-54-AP-55	Forest	Forest	337	22579
6	AP-55-AP-67	Forest	Forest	5135	344045
7	AP-68-AP-70	Forest	Forest	365	24455
Total Forest				**7815**	**523605**

7.9 WILDLIFE SANCTUARY /CORRIDOR

Wildlife/Elephant Corridor/Bird Sanctuary/GIB Crossing					
Sl No.	**Section AP to AP**	**Name of the Wildlife**	**Type of Wildlife (Reserved/Protected/Social/Revenue**	**Wildlife Stretches(m)**	**Forest Stretches(Sqm)**
Nil					

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7.10 RIVER CROSSINGS

-River Crossing								
Sl No.	**Name of River**	**Approximate Span in Meters (bank to bank width)**	**Perennial / Weathered Flow**	**HFL Information**	**Navigable / Non - Navigable**	**Remarks (Crossing in Between Loc. No.)**	**Pile Foundation required**	**Mid-span Piles required**
1	Kal River	75	Weathered Flow	NA	Non - Navigable	AP-2-AP-3	NA	NA
2	Kal River	60	Weathered Flow	NA	Non - Navigable	AP-3-AP-4	NA	NA
3	Kalkhaira River	42	Weathered Flow	NA	Non - Navigable	AP-7-AP-8	NA	NA
4	Kal River	80	Weathered Flow	NA	Non - Navigable	AP-34-AP-35	NA	NA
5	Kal River	32	Weathered Flow	NA	Non - Navigable	AP-35-AP-36	NA	NA
6	Kal River	78	Weathered Flow	NA	Non - Navigable	AP-38-AP-39	NA	NA
7	Gunjawani River	45	Weathered Flow	NA	Non - Navigable	AP-79-AP-80	NA	NA
8	Gunjawani River	70	Weathered Flow	NA	Non - Navigable	AP-80-AP-81	NA	NA
9	Gunjawani River	70	Weathered Flow	NA	Non - Navigable	AP-82-AP-83	NA	NA
10	Gunjawani River	55	Weathered Flow	NA	Non - Navigable	AP-83-AP-84	NA	NA
11	Gunjawani River	75	Weathered Flow	NA	Non - Navigable	AP-94-AP-95	NA	NA
12	Gunjawani River	50	Weathered Flow	NA	Non - Navigable	AP-103-AP-104	NA	NA
13	Shivganga River	40	Weathered Flow	NA	Non - Navigable	AP-103-AP-104	NA	NA

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8.0 LILO ON 400 kV D/C LINE FROM DABHOL TO NAGOTHANE AT 765 kV AIS KANDALGAON CKT-1

8.1 COORDINATES OF BOTH END

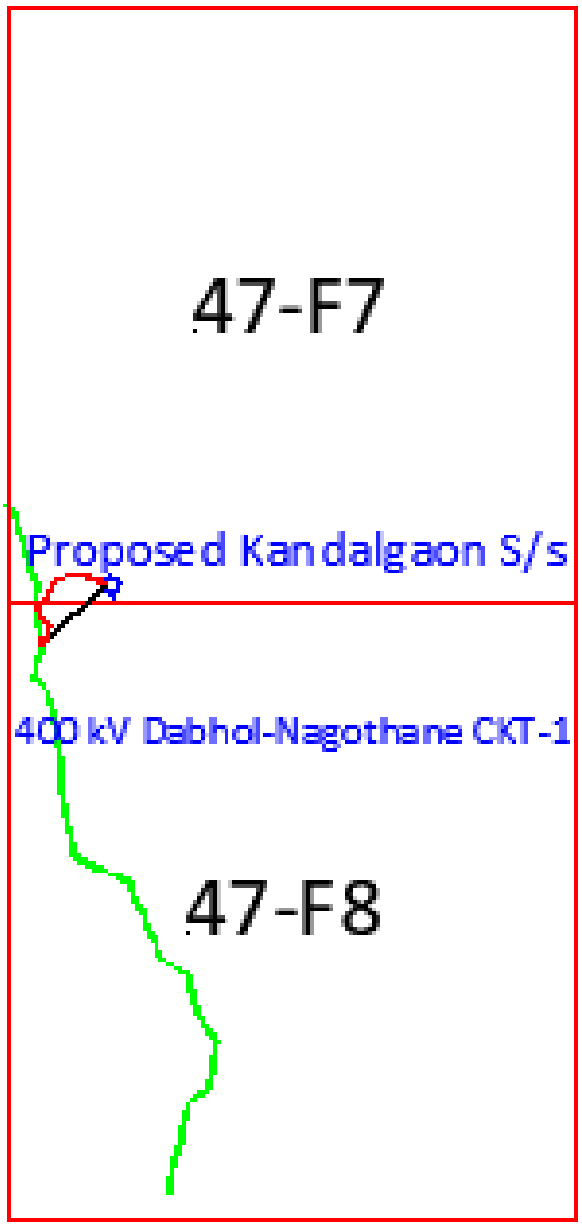
Proposed S/S	Latitude	Longitude
400kV S/c Dabhol-Nagothane CKT-1 TN.270 (MSETCL) (Start)	18º 14' 10.14" N	73º 16' 0.41" E
400kV S/c Dabhol-Nagothane CKT-1 TN.271 (MSETCL)	18º 14' 18.66" N	73º 15' 59.03" E
Proposed 765 kV Kandalgaon S/s (End)	18º 15' 41.55" N	73º 17' 39.09" E

Note:- Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the agency providing inter Connection facility for exact point of termination /emanation of transmission line.

Further, it is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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8.2 INDEX MAP OF SOI TOPOSHEETS SURVEY OF INDIA TOPOSHEETS (1:50000 SCALE)



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8.3 CORDINATES OF ANGLE POINTS (AP NO.) OF PROPOSED ROUTE

LILO On 400 kV D/C Line From Dabhol To Nagothane at 765 kV AIS Kandalgaon CKT-1												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
TAP POINT		316740	2017180	18º 14' 10.14" N	73º 16' 0.41" E		0		**LILO Point 400kV S/c Dabhol-Nagothane CKT-1 TN.270 (MSETCL)**	Raigad	Mangaon	Bamnoli
						47						
AP1	D	316754	2017225	18º 14' 11.62" N	73º 16' 0.88" E		47	19°0'59.2"R		Raigad	Mangaon	Bamnoli
						101						
AP2	D	316814	2017307	18º 14' 14.28" N	73º 16' 2.89" E		148	20°41'11"R		Raigad	Mangaon	Bamnoli
						131			Godh River			
AP3	DD	316924	2017378	18º 14' 16.62" N	73º 16' 6.6" E		279	35°57'56.8"L		Raigad	Mangaon	Bamnoli
						248						
AP4	DC	317013	2017609	18º 14' 24.16" N	73º 16' 9.56" E		527	15°37'35"L		Raigad	Mangaon	Bamnoli
						416						
AP5	DD	317053	2018023	18º 14' 37.64" N	73º 16' 10.79" E		943	44°12'2.2"L		Raigad	Mangaon	Bamnoli
						330						
AP6	DB	316847	2018280	18º 14' 45.95" N	73º 16' 3.69" E		1273	12°17'47.5"L		Raigad	Mangaon	Mangaon (NP)
						220			Godh River			
AP7	DD	316675	2018419	18º 14' 50.41" N	73º 15' 57.81" E		1493	37°56'23.5"R		Raigad	Mangaon	Kalamje
						478						
AP8	DD	316568	2018885	18º 15' 5.52" N	73º 15' 53.99" E		1971	1°19'53"R		Raigad	Mangaon	Kalamje
						129			110 kV D/c TL			
AP9	DD	316541	2019011	18º 15' 9.62" N	73º 15' 53.06" E		2100	50°46'33.7"R		Raigad	Mangaon	Kalamje
						128						
AP10	DD	316622	2019110	18º 15' 12.87" N	73º 15' 55.77" E		2228	28°51'50.2"R		Raigad	Mangaon	Kalamje
						207			N.H-66 Mumbai -Goa			
AP11	DD	316814	2019188	18º 15' 15.46" N	73º 16' 2.27" E		2435	18°35'33.2"L		Raigad	Mangaon	Kalamje

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LILO On 400 kV D/C Line From Dabhol To Nagothane at 765 kV AIS Kandalgaon CKT-1												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
						250			Railway Double Track Electrified-Mangaon-Indapur			
AP12	DD	317004	2019351	18º 15' 20.83" N	73º 16' 8.68" E		2685	30°13'4.7"L		Raigad	Mangaon	Kalamje
						706			Godh River			
AP13	DD	317235	2020018	18º 15' 42.58" N	73º 16' 16.33" E		3391	32°10'10.9"R		Raigad	Mangaon	Mangaon (NP)
						265						
AP14	DC	317441	2020183	18º 15' 48.03" N	73º 16' 23.31" E		3656	29°36'13.2"R		Raigad	Mangaon	Mangaon (NP)
						867						
AP15	DB	318297	2020321	18º 15' 52.76" N	73º 16' 52.4" E		4522	11°58'10.4"R		Raigad	Mangaon	Khardi Bk.
						722						
AP16	DD	319018	2020285	18º 15' 51.81" N	73º 17' 16.96" E		5244	35°35'15.9"R		Raigad	Mangaon	Khardi Bk.
						230			110 kV D/c TL			
AP17	DD	319198	2020142	18º 15' 47.22" N	73º 17' 23.13" E		5474	36°49'43.9"L		Raigad	Mangaon	Khardi Bk.
						212						
AP18	DD	319410	2020136	18º 15' 47.09" N	73º 17' 30.34" E		5686	33°58'43.7"R		Raigad	Mangaon	Khardi Bk.
						205			NH.753F (Khadsamble-Muthavali)			
AP19	DD	319576	2020017	18º 15' 43.27" N	73º 17' 36.04" E		5890	4°29'32.8"L		Raigad	Mangaon	Khardi Bk.
						104						
GANTRY		319665	2019963	18º 15' 41.55" N	73º 17' 39.09" E		5994		**Proposed 765/400/220 kV Kandalgaon Sub Station**	Raigad	Mangaon	Khardi Bk.
AP3	DD	316924	2017378	18º 14' 16.62" N	73º 16' 6.6" E		5994	34°34'51.1"R		Raigad	Mangaon	Bamnoli
						155			Godh River			
AP3A	D	316771	2017354	18º 14' 15.81" N	73º 16' 1.41" E		6149	40°29'8.3"L		Raigad	Mangaon	Bamnoli
						71						

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LILO On 400 kV D/C Line From Dabhol To Nagothane at 765 kV AIS Kandalgaon CKT-1												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP3B	D	316711	2017391	18º 14' 17" N	73º 15' 59.35" E		6220	48°15'5.9"R		Raigad	Mangaon	Bamnoli
						52						
TAP POINT		316702	2017443	18º 14' 18.66" N	73º 15' 59.03" E		6272		**400kV S/c Dabhol-Nagothane CKT-1 TN.271 (MSETCL)**	Raigad	Mangaon	Bamnoli

*The details Dist. Tehsil & Village provided is based on the data available at Survey of India. Bidders may note that the details provided in the Survey Report are to facilitate the Bidders to locate the tentative line route and these should not be consider as the point of termination/emanation of transmission line.

Note:- Tower type has been proposed based on following-

Tower type	Angle
A/DA	**0-2º**
B/DB	**2-15º**
C/DC	**15-30º**
D/DD/DDE (Dead end)	**30-60º**

However for SH, NH, Railway, power line, river has been considered upon the merit of the prevailing site condition and line deviation requirement.

- Monopoles are to be erected in the Urban areas where RoW constraint exist.

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8.4 SUMMARY OF PROPOSED ROUTE

Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
1	Bee line length	4.04 km
	Line Length	6.27 km
	a) Plain	95%
	b) Undulated terrain	05%
2	Terrain	Both Plain & Undulated
3	Snow bound Route (in Meters)	Nil
4	Length of line in heavy rainfall area which may affect working season (in Meters)	Nil
5	a) Angle Points	21 Nos.
6	Forest	Nil
	b) Protected Forest	Nil
	d) Open Scrub	Along the Route
7	Wildlife infringement	Nil
8	Animal/Bird Sanctuary	Nil
9	Infringement of endangered species habitat	Nil
10	National Park	Nil
11	Great Indian Bustard (GIB) area (Priority/ Potential Zone)	Nil
12	Creek, Marshy and low-laying area	Nil
13	No. of Pile/Special Foundation required	Nil
14	Transportation & Maintenance	Available
15	Power Line crossings (110 kV & above)	2 Nos.
16	Telecom Line Crossing	Nil
17	Railway crossings	1
18	Airport/Air strip	Pune International Airport
19	Upcoming Airport/Aviation zone/Airforce Station	Nil
20	Army cantonment/Mining/No go areas/Airstrips	Nil
21	River crossings	Yes
	a) Major	Nil
	b) Minor	3 Nos.
22	NH Crossings	2 Nos.
23	SH Crossings	Nil
24	Existing Gas/Petroleum/Oil Pipeline	Nil
25	Proposed Gas/Petroleum/Oil Pipeline	Nil
26	Circle rate of Land (per Acre)	-
27	Land Availability (if required for Acquisition)	Available
	i) Extent of land available	Available
	ii) Land use pattern (agricultural, barren, forest etc.)	Agricultural
	iii) Land ownership (Govt. Private, tribal, non-tribal etc.)	Govt. & Private
28	Approaches for construction	Available
29	Wind Zone	3
30	Wind Zone to be considered inclusive of	NA

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Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
	overlapping Zone	
31	Seismic Zone	4
32	State	Maharashtra
33	District	Raigad

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8.5 POWER LINE CROSSING

Power Line Crossing			
Sl No.	**Circuit Details**	**Voltage rating in kV / Crossing**	**Crossing in between Angle Point**
1	Double Circuit	110 kV	AP-8-AP-9
2	Double Circuit	110 kV	AP-16-AP-17

8.6 RAILWAY LINE CROSSINGS

Railway Line Crossing						
Sl No.	**Name of the Railway Line**	**Type of Gauge Broad / Meter / Narrow**	**Single/Double Line**	**Electrified / Non-Electrified**	**Remarks (Crossing in Between Locs.)**	**Pol. No**
1	Mangaon-Indapur	Broad	Double Track	Electrified	AP-11-AP-12	

8.7 NATIONAL HIGHWAY/ STATE HIGHWAY CROSSING

National Highway/State Highway Crossings				
Sl No.	**Name of the Road**	**Type Of Road National Highway / State Highway**	**Nearest City/Town from Crossing**	**Remarks (Crossing Between Loc. No.)**
1	Mumbai - Goa	NH-66	Mangaon	AP-10-AP-11
2	Khadsamble-Muthavali	NH-753F	Mangaon	AP-18-AP-19

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8.8 FOREST DETAILS (RF/PF)

Forest Crossing					
Sl No.	**Section AP to AP**	**Name of the Forest**	**Type of Forest (Reserved/ Protected/ Social/ Revenue**	**Forest Stretches (m)**	**Forest Stretches (Sqm)**
Nil					

8.9 WILDLIFE SANCTUARY /CORRIDOR

Wildlife/Elephant Corridor/Bird Sanctuary/GIB Crossing					
Sl No.	**Section AP to AP**	**Name of the Wildlife**	**Type of Wildlife (Reserved/Protected/Social/Revenue**	**Wildlife Stretches(m)**	**Forest Stretches(Sqm)**
Nil					

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8.10 RIVER CROSSINGS

River Crossing								
Sl No.	**Name of River**	**Approximate Span in Meters (bank to bank width)**	**Perennial / Weathered Flow**	**HFL Information**	**Navigable / Non - Navigable**	**Remarks (Crossing in Between Loc. No.)**	**Pile Foundation required**	**Mid-span Piles required**
1	Godh River	25	Weathered Flow	NA	Non - Navigable	AP-2-AP-3	NA	NA
2	Godh River	45	Weathered Flow	NA	Non - Navigable	AP-6-AP-7	NA	NA
3	Godh River	40	Weathered Flow	NA	Non - Navigable	AP-12-AP-13	NA	NA

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9.0 LILO ON 400 kV D/C LINE FROM DABHOL TO NAGOTHANE AT 765 kV AIS KANDALGAON CKT-2

9.1 COORDINATES OF BOTH END

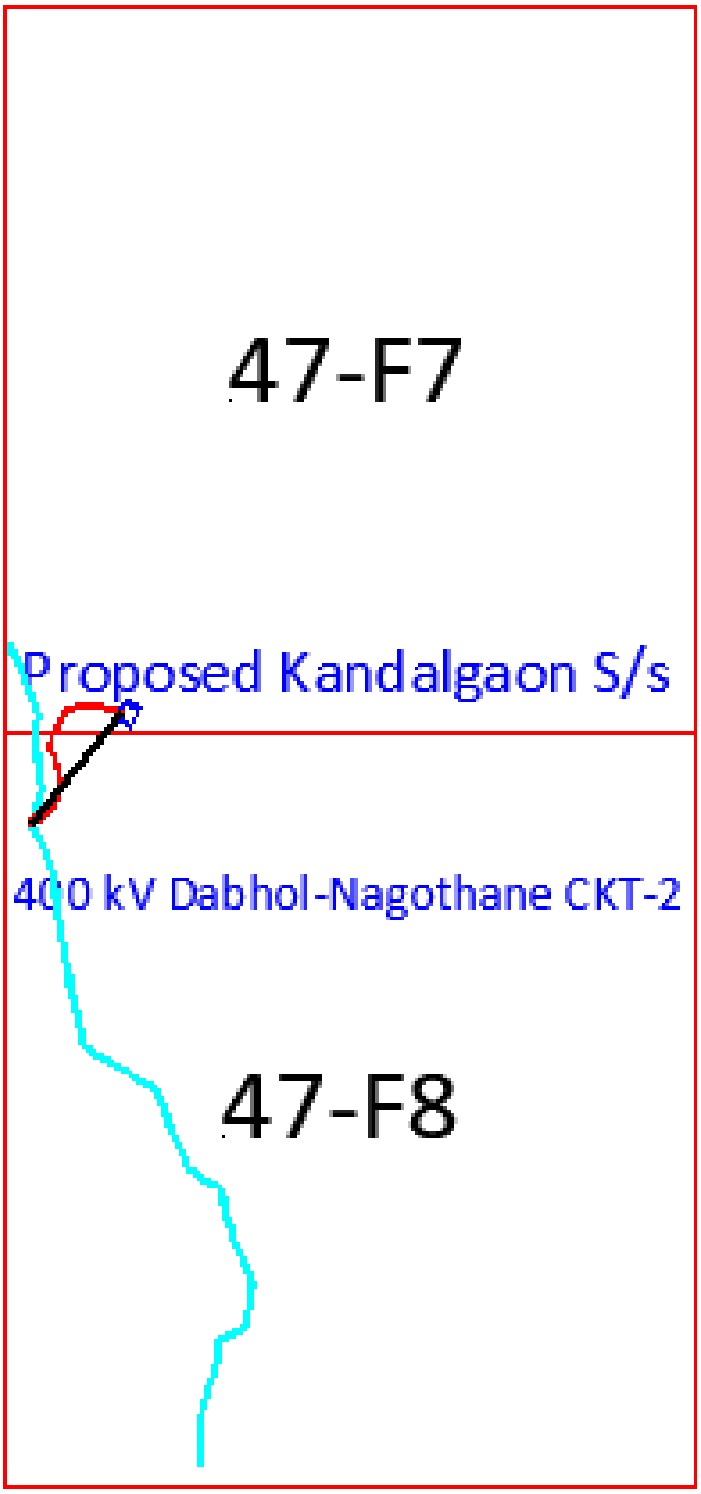
Proposed S/S	Latitude	Longitude
400kV S/c Dabhol-Nagothane CKT-2 TN.250 (MSETCL) (Start)	18º 13' 22.19" N	73º 15' 44.7" E
400kV S/c Dabhol-Nagothane CKT -2 TN.251 (MSETCL) (Start)	18º 13' 34.62" N	73º 15' 48.44" E
Proposed 765 kV Kandalgaon SS (End)	18º 15' 39.32" N	73º 17' 37.51" E

Note:- Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the agency providing inter Connection facility for exact point of termination /emanation of transmission line.

Further, it is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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9.2 INDEX MAP OF SOI TOPOSHEETS SURVEY OF INDIA TOPOSHEETS (1:50000 SCALE)



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9.3 CORDINATES OF ANGLE POINTS (AP NO.) OF PROPOSED ROUTE

LILO On 400 kV D/C Line From Dabhol To Nagothane at 765 kV AIS Kandalgaon CKT-2												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
TAP POINT		316264	2015710	18º 13' 22.19" N	73º 15' 44.7" E		0		**400kV S/c Dabhol-Nagothane CKT-2 TN.250 (MSETCL)**	Raigad	Mangaon	Nilghun
						111						
AP1	D	316218	2015811	18º 13' 25.44" N	73º 15' 43.08" E		111	28°27'22.7"R		Raigad	Mangaon	Nilghun
						80						
AP2	D	316223	2015890	18º 13' 28.03" N	73º 15' 43.21" E	`	190	54°34'50.5"R		Raigad	Mangaon	Nilghun
						87						
AP3	D	316297	2015936	18º 13' 29.55" N	73º 15' 45.72" E		278	32°59'54.1"R		Raigad	Mangaon	Nilghun
						274			400 kV S/c Dabhol-Nagothane CKT 1			
AP4	DD	316571	2015931	18º 13' 29.47" N	73º 15' 55.06" E		552	38°3'37.4"L		Raigad	Mangaon	Nilghun
						546						
AP5	DC	317007	2016260	18º 13' 40.29" N	73º 16' 9.79" E		1098	29°9'38.4"L		Raigad	Mangaon	Bamnoli
						408			Godh River			
AP6	DB	317172	2016633	18º 13' 52.48" N	73º 16' 15.28" E		1506	10°53'18.7"L		Raigad	Mangaon	Bamnoli
						597						
AP7	DC	317306	2017215	18º 14' 11.44" N	73º 16' 19.65" E		2103	22°14'40.3"L		Raigad	Mangaon	Bamnoli
						1112						
AP8	DC	317126	2018312	18º 14' 47.07" N	73º 16' 13.18" E		3215	27°38'47.6"L		Raigad	Mangaon	Mangaon (NP)
						311						
AP9	DC	316939	2018561	18º 14' 55.1" N	73º 16' 6.73" E		3526	29°40'11.2"R		Raigad	Mangaon	Mangaon (NP)
						244						
AP10	DD	316908	2018803	18º 15' 2.96" N	73º 16' 5.6" E		3770	32°40'50.6"R		Raigad	Mangaon	Mangaon (NP)
						211			Mumbai - Goa -N.H-66 , Godh River			
AP11	DD	316998	2018993	18º 15' 9.19" N	73º 16' 8.62" E		3981	19°53'26.3"R		Raigad	Mangaon	Kalamje
						218			Railway Double Track Electrified-Mangaon-Indapur , 110 kV D/c TL			
AP12	DD	317153	2019147	18º 15' 14.23" N	73º 16' 13.85" E		4199	38°19'59.3"L		Raigad	Mangaon	Kalamje
						233			110 kV D/c TL,			

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LILO On 400 kV D/C Line From Dabhol To Nagothane at 765 kV AIS Kandalgaon CKT-2												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
									Godh River			
AP13	DD	317182	2019378	18º 15' 21.77" N	73º 16' 14.74" E		4432	20°59'26"R		Raigad	Mangaon	Mangaon (NP)
						733						
AP14	DD	317525	2020026	18º 15' 42.93" N	73º 16' 26.22" E		5165	49°30'15.8"R		Raigad	Mangaon	Mangaon (NP)
						798						
AP15	DB	318304	2020199	18º 15' 48.8" N	73º 16' 52.68" E		5963	14°29'57.8"R		Raigad	Mangaon	Khardi Bk.
						565						
AP16	DD	318868	2020180	18º 15' 48.35" N	73º 17' 11.9" E		6528	36°26'53.5"R		Raigad	Mangaon	Khardi Bk.
						225			110 kV D/c TL			
AP17	DD	319045	2020040	18º 15' 43.85" N	73º 17' 17.95" E		6753	43°18'37"L		Raigad	Mangaon	Khardi Bk.
						321						
AP18	DD	319365	2020067	18º 15' 44.84" N	73º 17' 28.82" E		7074	40°32'24.3"R		Raigad	Mangaon	Khardi Bk.
						197			NH.753F (Khadsamble-Muthavali)			
AP19	DD	319525	2019952	18º 15' 41.15" N	73º 17' 34.31" E		7271	4°7'12.8"L		Raigad	Mangaon	Khardi Bk.
						110						
GANTRY		319618	2019895	18º 15' 39.32" N	73º 17' 37.51" E		7380		**Proposed 765/400/220 kV Kandalgaon Sub Station**	Raigad	Mangaon	Khardi Bk.
AP4	DD	316571	2015931	18º 13' 29.47" N	73º 15' 55.06" E		7380	38°3'37.4"L		Raigad	Mangaon	Nilghun
						79						
AP4A	D	316501	2015968	18º 13' 30.66" N	73º 15' 52.67" E		7459	10°52'31.7"L		Raigad	Mangaon	Nilghun
						101			400kV S/c Dabhol-Nagothane CKT-1			
AP4B	D	316405	2015998	18º 13' 31.59" N	73º 15' 49.39" E		7560	40°27'30.2"R		Raigad	Mangaon	Nilghun
						70						
AP4C	D	316368	2016057	18º 13' 33.49" N	73º 15' 48.1" E		7630	48°47'43.7"R		Raigad	Mangaon	Nilghun
						36						
TAP POINT		316378	2016091	18º 13' 34.62" N	73º 15' 48.44" E		7666		**400kV S/c Dabhol-Nagothane CKT -2 TN.251 (MSETCL)**	Raigad	Mangaon	Nilghun

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*The details Dist. Tehsil & Village provided is based on the data available at Survey of India. Bidders may note that the details provided in the Survey Report are to facilitate the Bidders to locate the tentative line route and these should not be consider as the point of termination/emanation of transmission line.

Note:- Tower type has been proposed based on following-

Tower type	Angle
A/DA	**0-2°**
B/DB	**2-15°**
C/DC	**15-30°**
D/DD/DDE (Dead end)	**30-60°**

However for SH, NH, Railway, power line, river has been considered upon the merit of the prevailing site condition and line deviation requirement.

- Monopoles are to be erected in the Urban areas where RoW constraint exist.

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9.4 SUMMARY OF PROPOSED ROUTE

Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
1	Bee line length	5.36 km
	Line Length	7.67 km
	a) Plain	95%
	b) Undulated terrain	05%
2	Terrain	Both Plain & Undulated
3	Snow bound Route (in Meters)	Nil
4	Length of line in heavy rainfall area which may affect working season (in Meters)	Nil
5	a) Angle Points	22 Nos.
6	Forest	Nil
	b) Protected Forest	Nil
	d) Open Scrub	Along the Route
7	Wildlife infringement	Nil
8	Animal/Bird Sanctury	Nil
9	infringement of endangered species habitat	Nil
10	National Park	Nil
11	Great Indian Bustard (GIB) area (Priority/ Potential Zone)	Nil
12	Creek, Marshy and low-laying area	Nil
13	No. of Pile/Special Foundation required	Nil
14	Transportation & Maintenance	Available
15	Power Line crossings (110 kV & above)	5 Nos.
16	Telecom Line Crossing	Nil
17	Railway crossings	1
18	Airport/Air strip	Pune International Airport
19	Upcoming Airport/Aviation zone/Airforce Station	Nil
20	Army cantonment/Mining/No go areas/Airstrips	Nil
21	River crossings	Yes
	a) Major	Nil
	b) Minor	3 Nos.
22	NH Crossings	2 Nos.
23	SH Crossings	Nil
24	Existing Gas/Petroleum/Oil Pipeline	Nil
25	Proposed Gas/Petroleum/Oil Pipeline	Nil
26	Circle rate of Land (per Acre)	-
27	Land Availability (if required for Acquisition)	Available

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Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
	i) Extent of land available	Available
	ii) Land use pattern (agricultural, barren, forest etc.)	Agricultural
	iii) Land ownership (Govt. Private, tribal, non-tribal etc)	Govt. & Private
28	Approaches for construction	Available
29	Wind Zone	3
30	Wind Zone to be considered inclusive of overlapping Zone	NA
31	Seismic Zone	4
32	State	Maharashtra
33	District	Raigad

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9.5 POWER LINE CROSSING

Power Line Crossing				
Sl No.	**Circuit Details**	**Voltage rating in kV / Crossing**	**Name of Owner (SEB/DOT)**	**Crossing in between Angle Point**
1	Single Circuit	400 kV	Dabhol-Nagothane Lilo CKT-2	AP-3-AP-4
2	Double Circuit	110 kV		AP-11-AP-12
3	Double Circuit	110 kV		AP-12-AP-13
4	Double Circuit	110 kV		AP-16-AP-17
5	Single Circuit	400 kV	Dabhol-Nagothane Lilo CKT-1	AP-4A-AP-4B

9.6 RAILWAY LINE CROSSINGS

Railway Line Crossing						
Sl No.	**Name of the Railway Line**	**Type of Gauge Broad / Meter / Narrow**	**Single/Double Line**	**Electrified / Non-Electrified**	**Remarks (Crossing in Between Locs.)**	**Pol. No**
1	Mangaon-Indapur	Broad	Double Track	Electrified	AP-11-AP-12	

9.7 NATIONAL HIGHWAY/ STATE HIGHWAY CROSSING

National Highway/State Highway Crossings				
Sl No.	**Name of the Road**	**Type Of Road National Highway / State Highway**	**Nearest City/Town from Crossing**	**Remarks (Crossing Between Loc. No.)**
1	Mumbai - Goa	NH-66	Mangaon	AP-10-AP-11
2	Khadsamble-Muthavali	NH-753F	Mangaon	AP-18-AP-19

9.8 FOREST DETAILS (RF/PF)

Forest Crossing					
Sl No.	**Section AP to AP**	**Name of the Forest**	**Type of Forest (Reserved/Protected/ Social/Revenue**	**Forest Stretches (m)**	**Forest Stretches (Sqm)**
Nil					

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9.9 WILDLIFE SANCTUARY /CORRIDOR

Wildlife/Elephant Corridor/Bird Sanctuary/GIB Crossing					
Sl No.	**Section AP to AP**	**Name of the Wildlife**	**Type of Wildlife (Reserved/Protected/Social/Revenue**	**Wildlife Stretches(m)**	**Forest Stretches(Sqm)**
Nil					

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9.10 RIVER CROSSINGS

River Crossing								
Sl No.	**Name of River**	**Approximate Span in Meters (bank to bank width)**	**Perennial / Weathered Flow**	**HFL Information**	**Navigable / Non - Navigable**	**Remarks (Crossing in Between Loc. No.)**	**Pile Foundation required**	**Mid-span Piles required**
1	Godh River	27	Weathered Flow	NA	Non - Navigable	AP-5-AP-6	NA	NA
2	Godh River	30	Weathered Flow	NA	Non - Navigable	AP-10-AP-11	NA	NA
3	Godh River	55	Weathered Flow	NA	Non - Navigable	AP-12-AP-13	NA	NA

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10.0 220 kV D/C LINE FROM 765 kV AIS KANDALGAON TO 220 kV KANDALGAON (EXISTING)

10.1 COORDINATES OF BOTH END

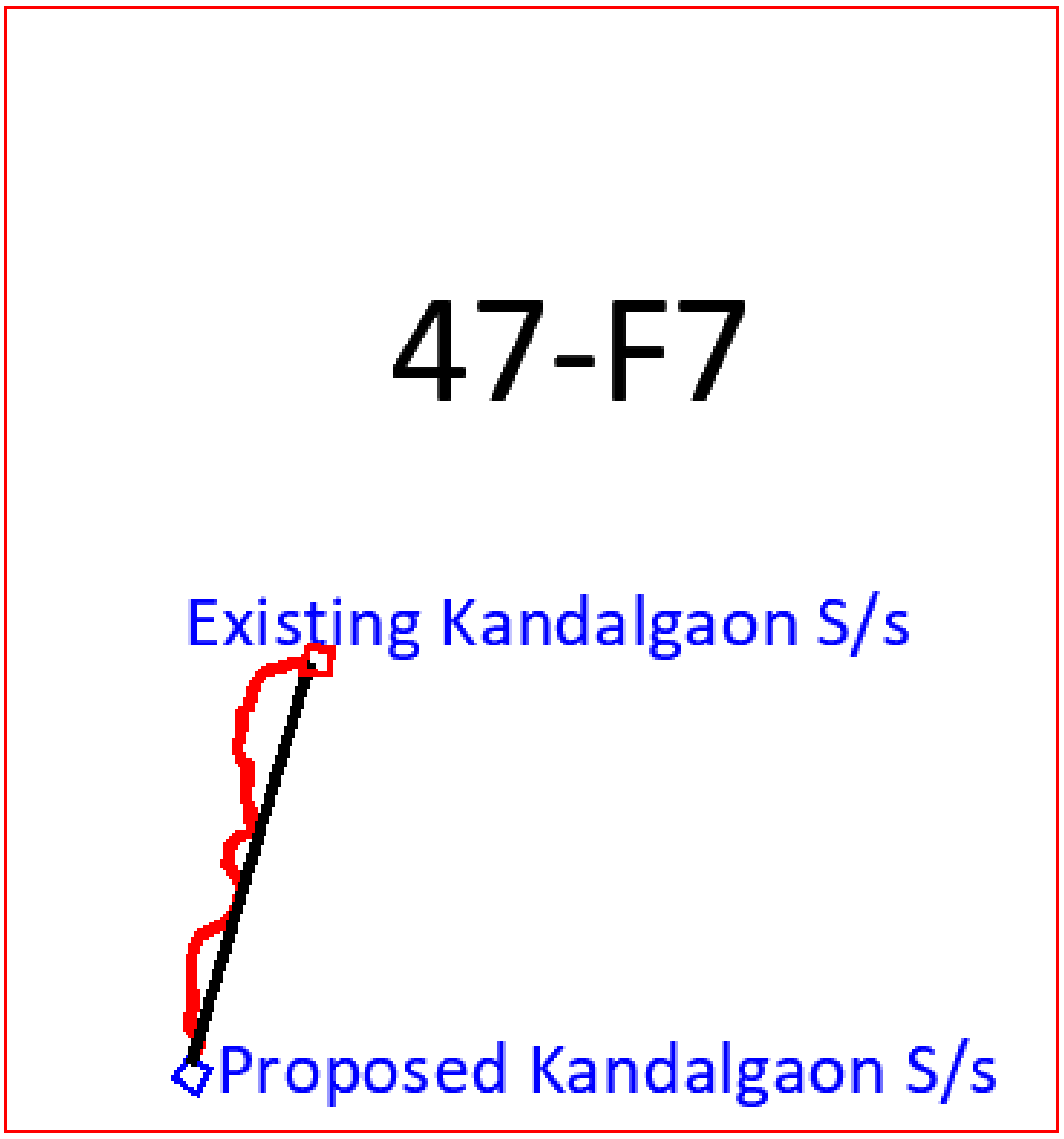
Proposed S/S	Latitude	Longitude
Proposed 765/400/220 kV Kandalgaon Sub Station (Start)	18º 15' 48.82" N	73º 17' 46.57" E
220 kV Kandalgaon Sub Station (Existing) (End)	18º 21' 12.13" N	73º 19' 23.16" E

Note:- Bidders may note that the coordinates considered in the Survey Report are to facilitate the Bidders to locate the Sub Station/Switchyard and these coordinates should not be consider as the point of termination/emanation of transmission line. The TSP shall coordinate with the agency providing inter Connection facility for exact point of termination /emanation of transmission line.

Further, it is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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10.2 INDEX MAP OF SOI TOPOSHEETS SURVEY OF INDIA TOPOSHEETS (1:50000 SCALE)



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10.3 COORDINATES OF POINTS (AP NO.) OF PROPOSED ROUTE

220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
GANTRY		319887	2020185	18º 15' 48.82" N	73º 17' 46.57" E		0		**Proposed 765/400/220 kV Kandalgaon Sub Station**	Raigad	Mangaon	Khardi Bk.
						110						
AP1	DD	319944	2020278	18º 15' 51.88" N	73º 17' 48.48" E		110	12°49'32.6"L		Raigad	Mangaon	Khardi Bk.
						394						
AP2	DD	320069	2020652	18º 16' 4.08" N	73º 17' 52.62" E		504	30°43'48.8"L		Raigad	Mangaon	Khardi Bk.
						201						
AP3	DD	320026	2020849	18º 16' 10.45" N	73º 17' 51.11" E		705	37°51'0.7"L		Raigad	Mangaon	Khardi Bk.
						241			110 kV D/c TL, N.H-753F (Khadsamble-Muthavali)			
AP4	DD	319842	2021003	18º 16' 15.42" N	73º 17' 44.77" E		946	49°30'36.1"R		Raigad	Mangaon	Khardi Bk.
						381						
AP5	DC	319838	2021384	18º 16' 27.8" N	73º 17' 44.52" E		1326	29°8'34.1"R		Raigad	Mangaon	Khardi Bk.
						164			Kal River			
AP6	DD	319916	2021528	18º 16' 32.52" N	73º 17' 47.15" E		1491	31°33'8.2"L		Raigad	Mangaon	Koste Kh.
						1136						
AP7	DB	319857	2022662	18º 17' 9.38" N	73º 17' 44.77" E		2626	10°8'10.6"R		Raigad	Mangaon	Koste Kh.
						459						
AP8	DC	319914	2023118	18º 17' 24.22" N	73º 17' 46.57" E		3085	27°21'7.1"R		Raigad	Mangaon	Koste Kh.
						335						
AP9	DD	320104	2023394	18º 17' 33.25" N	73º 17' 52.94" E		3420	45°2'36.7"R		Raigad	Mangaon	Koste Kh.
						238			NH.753F (Khadsamble-Muthavali)			
AP10	DD	320338	2023437	18º 17' 34.73" N	73º 18' 0.9" E		3658	21°46'19"L		Raigad	Mangaon	Koste Kh.
						427						
AP11	DB	320700	2023665	18º 17' 42.25" N	73º 18' 13.14" E		4086	5°57'17.2"L		Raigad	Mangaon	Koste Kh.
						237						
AP12	DD	320886	2023811	18º 17' 47.08" N	73º 18' 19.44" E		4323	30°50'38.9"L		Raigad	Mangaon	Koste Kh.
						409						
AP13	DB	321032	2024193	18º 17' 59.53" N	73º 18' 24.3" E		4732	9°3'10"L		Raigad	Mangaon	Koste Bk.
						353						
AP14	DD	321105	2024539	18º 18' 10.8" N	73º 18' 26.68" E		5085	31°45'55.6"L		Raigad	Mangaon	Koste Bk.
						213						
AP15	DC	321033	2024739	18º 18' 17.28" N	73º 18' 24.16" E		5298	23°36'28.7"L		Raigad	Mangaon	Koste Bk.
						146						

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220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP16	DB	320933	2024845	18º 18' 20.7" N	73º 18' 20.7" E		5444	8°1'1.4"R		Raigad	Mangaon	Koste Bk.
						279						
AP17	DD	320771	2025072	18º 18' 28.04" N	73º 18' 15.12" E		5723	39°59'35.7"R		Raigad	Mangaon	Koste Bk.
						286						
AP18	DB	320794	2025357	18º 18' 37.33" N	73º 18' 15.8" E		6009	6°38'19.6"R		Raigad	Mangaon	Koste Bk.
						234						
AP19	DD	320839	2025587	18º 18' 44.82" N	73º 18' 17.28" E		6243	30°41'56"R		Raigad	Mangaon	Koste Bk.
						264						
AP20	DD	321016	2025784	18º 18' 51.26" N	73º 18' 23.22" E		6507	32°29'13.4"R		Raigad	Mangaon	Nijampur
						259						
AP21	DD	321265	2025853	18º 18' 53.6" N	73º 18' 31.68" E		6766	48°26'12.9"L		Raigad	Mangaon	Nijampur
						239						
AP22	DD	321369	2026068	18º 19' 0.62" N	73º 18' 35.17" E		7005	35°29'49.7"L		Raigad	Mangaon	Nijampur
						163						
AP23	DD	321342	2026229	18º 19' 5.84" N	73º 18' 34.2" E		7168	5°7'20.3"R		Raigad	Mangaon	Nijampur
						220			SH-97 (Wakan-Pali-Khapoli)			
AP24	DD	321325	2026448	18º 19' 12.97" N	73º 18' 33.55" E		7388	8°2'9.1"L		Raigad	Mangaon	Nijampur
						372						
AP25	DC	321245	2026811	18º 19' 24.75" N	73º 18' 30.71" E		7759	17°17'54.4"R		Raigad	Mangaon	Nijampur
						411						
AP26	DB	321280	2027221	18º 19' 38.07" N	73º 18' 31.76" E		8170	6°5'14.8"L		Raigad	Mangaon	Nijampur
						347						
AP27	DD	321272	2027567	18º 19' 49.35" N	73º 18' 31.39" E		8517	53°35'6.5"L		Raigad	Mangaon	Nijampur
						221			NH.753F (Khadsamble-Muthavali)			
AP28	DD	321091	2027695	18º 19' 53.44" N	73º 18' 25.19" E		8738	41°29'12.2"R		Raigad	Mangaon	Eklavyanagar
						334						
AP29	DC	321014	2028020	18º 20' 3.98" N	73º 18' 22.46" E		9072	25°9'14.9"R		Raigad	Mangaon	Eklavyanagar
						498						
AP30	DB	321116	2028507	18º 20' 19.86" N	73º 18' 25.78" E		9570	9°33'28.6"L		Raigad	Mangaon	Eklavyanagar
						390						
AP31	DD	321131	2028896	18º 20' 32.53" N	73º 18' 26.17" E		9960	46°57'48.5"R		Raigad	Mangaon	Eklavyanagar
						220			Gail Gas Pipe Line			
AP32	DD	321297	2029040	18º 20' 37.25" N	73º 18' 31.79" E		10179	36°44'51.4"L		Raigad	Mangaon	Eklavyanagar
						598						
AP33	DD	321426	2029624	18º 20' 56.29" N	73º 18' 36" E		10778	34°34'4.1"R		Raigad	Mangaon	Eklavyanagar
						389						

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220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)												
AP No.	**Tower Type**	**Easting**	**Northing**	**Latitude**	**Longitude**	**Span In Mtr.**	**Cumulative Length**	**Angle of Deviation**	**Remarks**	**District**	**Tehsil**	**Village**
AP34	DC	321711	2029889	18º 21' 5" N	73º 18' 45.61" E		11167	26°25'8"R		Raigad	Mangaon	Kandalgaon Bk.
						466						
AP35	DD	322158	2030022	18º 21' 9.45" N	73º 19' 0.77" E		11632	11°5'37.4"L		Raigad	Mangaon	Kandalgaon Bk.
						229			110 kV D/c TL			
AP36	DD	322360	2030128	18º 21' 12.97" N	73º 19' 7.64" E		11861	38°49'36.1"R		Raigad	Mangaon	Kandalgaon Bk.
						232			NH.753F (Waken-Pali-Khopodi), Gail Gas Pipe Line			
AP37	DD	322588	2030083	18º 21' 11.58" N	73º 19' 15.4" E		12093	1°7'56.3"L		Raigad	Mangaon	Kandalgaon Bk.
						117						
AP38	DD	322703	2030063	18º 21' 10.94" N	73º 19' 19.34" E		12210	26°10'46.8"L		Raigad	Mangaon	Kandalgaon Bk.
						118			220 kV D/c TL			
AP39	DD	322785	2030087	18°21'11.75"N	73°19'22.12"E		12328	3°49'20.8"L				
						34.46						
GANTRY		322815	2030098	18º 21' 12.13" N	73º 19' 23.16" E		12362		**220 kV Kandalgaon Sub Station (Existing)**	Raigad	Mangaon	Kandalgaon Bk.

*****The details Dist. Tehsil & Village provided is based on the data available at Survey of India. Bidders may note that the details provided in the Survey Report are to facilitate the Bidders to locate the tentative line route and these should not be consider as the point of termination/emanation of transmission line.

Note:- Tower type has been proposed based on following-

Tower type	**Angle**
A/DA	**0-2º**
B/DB	**2-15º**
C/DC	**15-30º**
D/DD/DDE (Dead end)	**30-60º**

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However for SH, NH, Railway, power line, river has been considered upon the merit of the prevailing site condition and line deviation requirement.

- Monopoles are to be erected in the Urban areas where RoW constraint exist.

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10.4 SUMMARY OF PROPOSED ROUTE

Summary of the Proposed Route		
Sl No.	**Description**	**Proposed Route**
1	Bee line length	10.34 km
	Line Length	12.36 km
	a) Plain	95%
	b) Undulated terrain	05%
2	Terrain	Both Plain & Undulated
3	Snow bound Route (in Meters)	Nil
4	Length of line in heavy rainfall area which may affect working season (in Meters)	Nil
5	a) Angle Points	39 Nos.
6	Forest	Nil
	b) Protected Forest	Nil
	d) Open Scrub	Along the Route
7	Wildlife infringement	Nil
8	Animal/Bird Sanctuary	Nil
9	Infringement of endangered species habitat	Nil
10	National Park	Nil
11	Great Indian Bustard (GIB) area (Priority/ Potential Zone)	Nil
12	Creek, Marshy and low-laying area	Nil
13	No. of Pile/Special Foundation required	Nil
14	Transportation & Maintenance	Available
15	Power Line crossings (110 kV & above)	3 Nos.
16	Telecom Line Crossing	Nil
17	Railway crossings	Nil
18	Airport/Air strip	Pune International Airport
19	Upcoming Airport/Aviation zone/Airforce Station	Nil
20	Army cantonment/Mining/No go areas/Airstrips	Nil
21	River crossings	Yes
	a) Major	Nil
	b) Minor	1 Nos.
22	NH Crossings	4 Nos.
23	SH Crossings	1 Nos.

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Summary of the Proposed Route		
24	Existing Gas/Petroleum/Oil Pipeline	2 Nos. Gail Gas Pipe Line
25	Proposed Gas/Petroleum/Oil Pipeline	Nil
26	Circle rate of Land (per Acre)	-
27	Land Availability (if required for Acquisition)	Available
	i) Extent of land available	Available
	ii) Land use pattern (agricultural, barren, forest etc.)	Agricultural
	iii) Land ownership (Govt. Private, trible, non-tribal etc)	Govt. & Private
28	Approaches for construction	Available
29	Wind Zone	3
30	Wind Zone to be considered inclusive of overlapping Zone	NA
31	Seismic Zone	4
32	State	Maharashtra
33	District	Raigad

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10.5 POWER LINE CROSSING

Power Line Crossing				
Sl No.	**Circuit Details**	**Voltage rating in kV / Crossing**	**Name of Owner (SEB/DOT)**	**Crossing in between Angle Point**
1	Double Circuit	110 kV		AP-3-AP-4
2	Double Circuit	110 kV		AP-35-AP-36
3	Double Circuit	220 kV		AP-38-AP39

10.6 RAILWAY LINE CROSSINGS

Railway Line Crossing						
Sl No.	**Name of the Railway Line**	**Type of Gauge Broad / Meter / Narrow**	**Single/Double Line**	**Electrified / Non-Electrified**	**Remarks (Crossing in Between Locs.)**	**Pol. No**
Nil						

10.7 NATIONAL HIGHWAY/ STATE HIGHWAY CROSSING

National Highway/State Highway Crossings				
Sl No.	**Name of the Road**	**Type of Road National Highway / State Highway**	**Nearest City/Town from Crossing**	**Remarks (Crossing Between Loc. No.)**
1	NH-753F	National Highway	Mangaon	AP3-AP4
2	NH-753F	National Highway	Mangaon	AP9-AP10
3	SH-97	State Highway	Nizampur	AP23-AP24
4	NH-753F	National Highway	Nizampur	AP27-AP28
5	NH-753F	National Highway	Kandalgaon	AP36-AP37

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10.8 FOREST DETAILS (RF/PF)

220 kV D/c LINE FROM 765 kV AIS KANDALGAON TO 220 kV KANDALGAON (EXISTING)					
Forest Crossing					
Sl No.	Section AP to AP	Name of the Forest	Type of Forest (Reserved/Protected/Social/Revenue	Forest Stretches(m)	Forest Stretches (Sqm)
Nil					

10.9 WILDLIFE SANCTUARY /CORRIDOR

Wildlife/Elephant Corridor/Bird Sanctuary/GIB Crossing					
Sl No.	Section AP to AP	Name of the Wildlife	Type of Wildlife (Reserved/Protected/ Social/ Revenue	Wildlife Stretches(m)	Forest Stretches (Sqm)
Nil					

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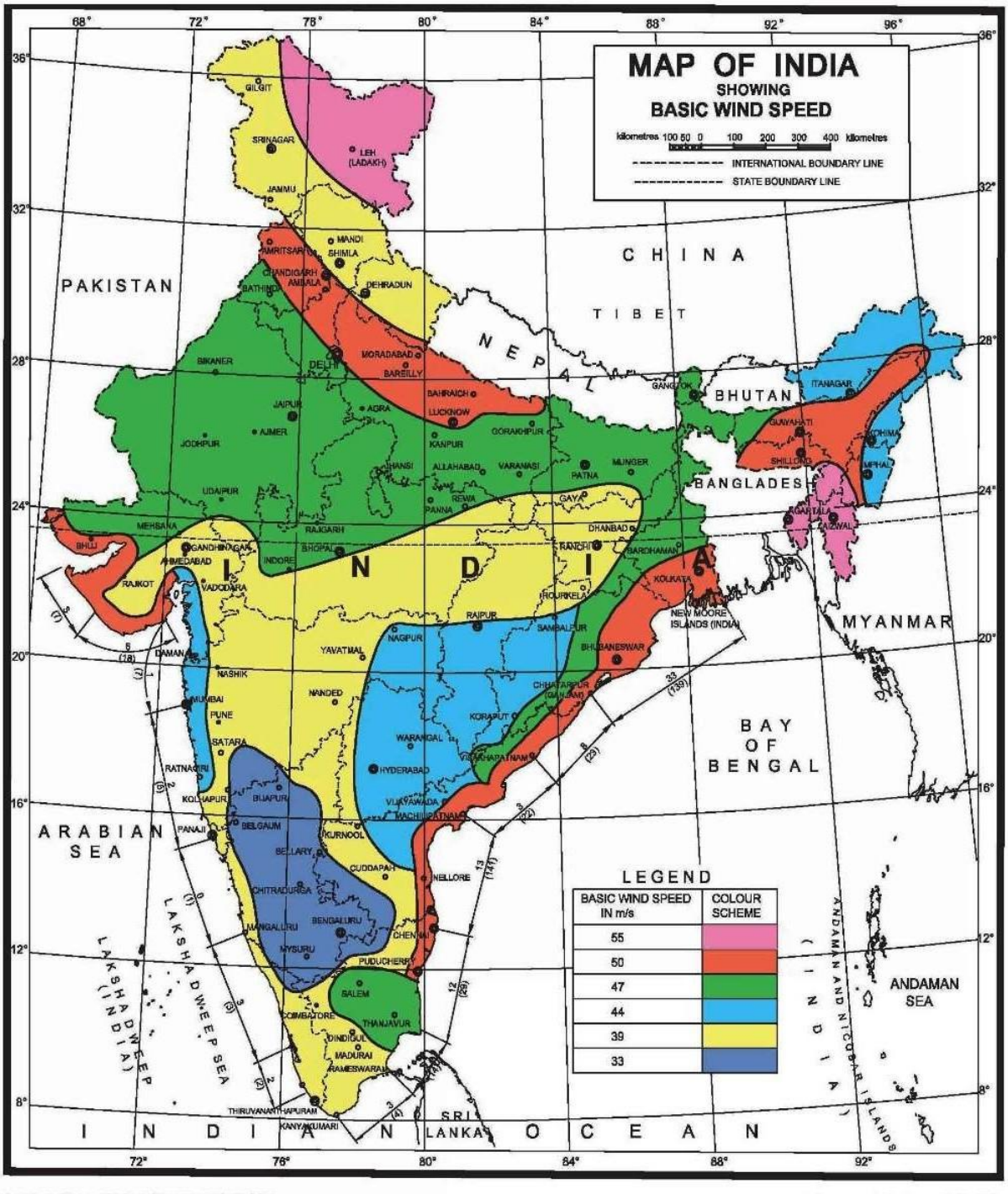
10.10 RIVER CROSSINGS

River Crossing								
Sl No.	**Name of River**	**Approximate Span in Meters (bank to bank width)**	**Perennial / Weathered Flow**	**HFL Information**	**Navigable / Non - Navigable**	**Remarks (Crossing in Between Loc. No.)**	**Pile Foundation required**	**Mid-span Piles required**
1	Kal River	60	Weathered Flow	NA	Non - Navigable	AP-5-AP-6	NA	NA

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11.0 WIND ZONE MAP

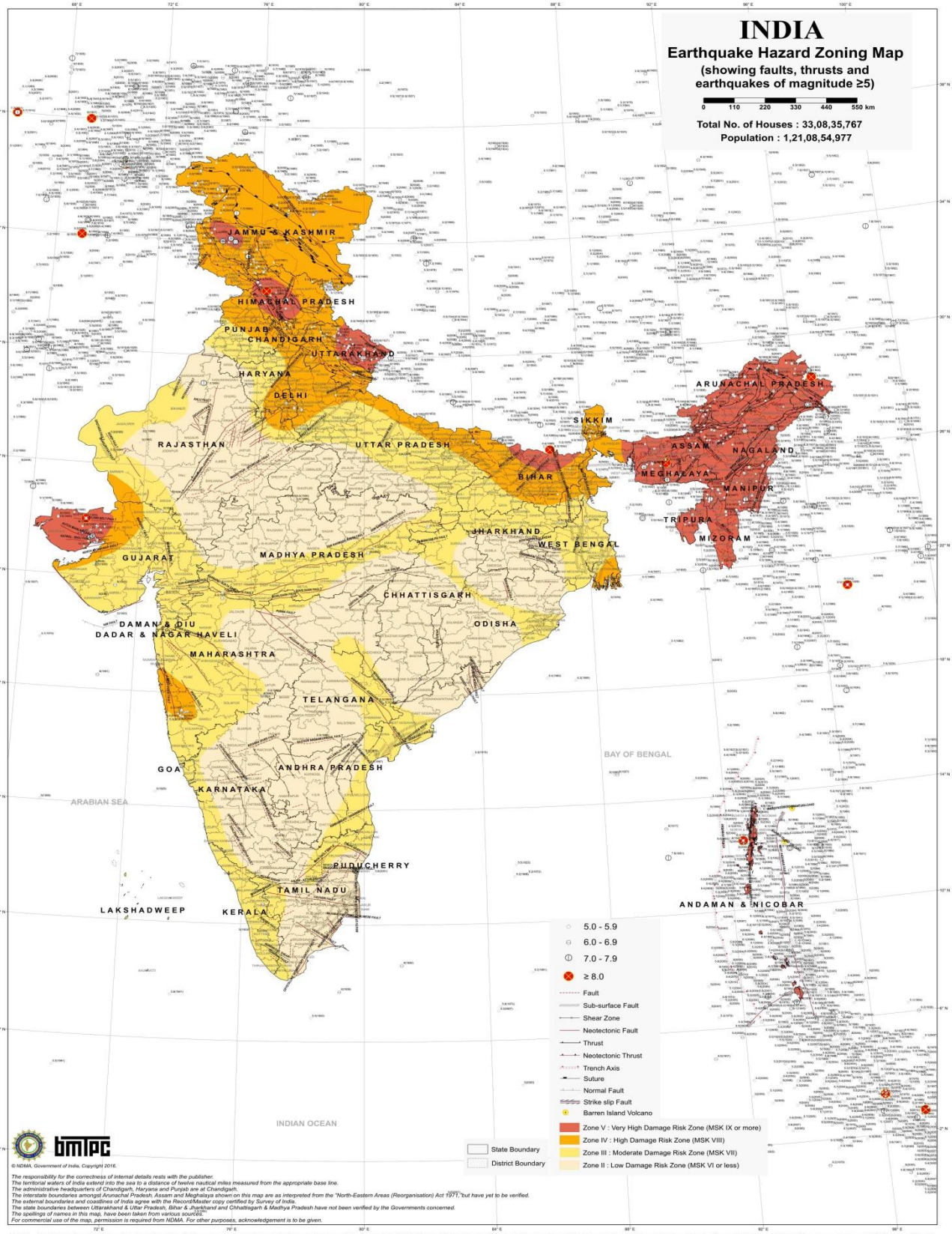
- The Proposed transmission line LILO on 765 kV D/C line from Satara (proposed) to Pune-III (proposed) at 765 kV AIS kandalgaon line is passing through Wind Zone –2 & 3.
- The Proposed transmission line LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon line is passing through Wind Zone 3.
- The Proposed transmission line 220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) line is passing through Wind Zone 3.



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❖ SEISMIC ZONE MAP

***Ref:** Seismic Zone Map of National Disaster Management Authority IS: 1893 (Part I) - 2002



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12 RESULTS & CONCLUSION

Based on the scope of the transmission scheme and walk over survey conducted by PFCCL the tentative proposed substation location & lines are as indicated below:-

1. Proposed 765/400/220 kV Kandalgaon S/s

Particulars		Corner	Latitude	Longitude
Village	- Khardi Bk.	Corner 1	18°15'52.35"N	73°17'43.16"E
Taluka	- Mangaon	Corner 2	18°15'43.86"N	73°18'1.16"E
District	- Raigad	Corner 3	18°15'23.71"N	73°17'51.13"E
State	- Maharashtra	Corner 4	18°15'35.66"N	73°17'32.20"E

The summary of proposed 765 kV Kandalgaon S/s is given at Sl no 5.2

2. LILO ON 765 kV D/C LINE FROM SATARA (PROPOSED) TO PUNE-III (PROPOSED) AT 765 kV AIS KANDALGAON (LOOP IN)

Element	Latitude	Longitude
Loop In Tapping Point 765 kV Satara-Pune III line (Start)	18º 10' 14.3" N	74º 0' 23.18" E
Proposed 765 kV Kandalgaon Substation (End)	18º 15' 27.5" N	73º 17' 50.57" E

The summary of tentative route is given at Sl no 6.3

During the Survey, The proposed route was found to be around 83.58km.

3. LILO ON 765 kV D/C LINE FROM SATARA (PROPOSED) TO PUNE-III (PROPOSED) AT 765 kV AIS KANDALGAON (LOOP OUT)

Proposed S/S	Latitude	Longitude
Proposed 765 kV Kandalgaon Substation (Start)	18º 15' 31.72" N	73º 17' 52.58" E
Loop Out Tapping Point 765 kV Satara-Pune III line (End)	18º 15' 27.5" N	73º 17' 50.57" E

The summary of tentative route is given at Sl no 7.3

During the Survey, The proposed route was found to be around 83.89 km.

4. LILO ON 400 kV D/C LINE FROM DABHOL TO NAGOTHANE AT 765 kV AIS KANDALGAON CKT-1

Proposed S/S	Latitude	Longitude
400kV S/c Dabhol-Nagothane CKT-1 TN.270 (MSETCL) (Start)	18º 14' 10.14" N	73º 16' 0.41" E
400kV S/c Dabhol-Nagothane CKT-1 TN.271 (MSETCL)	18º 14' 18.66" N	73º 15' 59.03" E
Proposed 765 kV Kandalgaon S/s (End)	18º 15' 41.55" N	73º 17' 39.09" E

The summary of tentative route is given at Sl no 8.3

During the Survey, The proposed route was found to be around 6.27 km.

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5. LILO ON 400 kV D/C LINE FROM DABHOL TO NAGOTHANE AT 765 kV AIS KANDALGAON CKT-2

Proposed S/S	Latitude	Longitude
400kV S/c Dabhol-Nagothane CKT-2 TN.250 (MSETCL) (Start)	18º 13' 22.19" N	73º 15' 44.7" E
400kV S/c Dabhol-Nagothane CKT -2 TN.251 (MSETCL) (Start)	18º 13' 34.62" N	73º 15' 48.44" E
Proposed 765 kV Kandalgaon SS (End)	18º 15' 39.32" N	73º 17' 37.51" E

The summary of tentative route is given at Sl no 9.3

During the Survey, The proposed route was found to be around 7.67 km.

6. 220 kV D/C LINE FROM 765 kV AIS KANDALGAON TO 220 kV KANDALGAON (EXISTING)

Proposed S/S	Latitude	Longitude
Proposed 765/400/220 kV Kandalgaon Sub Station (Start)	18º 15' 48.82" N	73º 17' 46.57" E
220 kV Kandalgaon Sub Station (Existing) (End)	18º 21' 12.13" N	73º 19' 23.16" E

The summary of tentative route is given at Sl no 10.3

During the Survey, The proposed route was found to be around 12.36 km.

Further, efforts have been made to avoid forest, wildlife, mining & sensitive areas.

Based on preliminary survey, the above proposed transmission line routes has been observed as most viable routes for alignment due to its good approach, for construction and maintenance of the transmission line after construction. However, the report is based on preliminary survey and Bidder may conduct their own due-diligence before submitting their bids.

Finally, the Routes are marked in the route alignment drawing for the proposed line routes.

NOTE: It is to be noted that Monopoles are to be erected in the Urban areas where RoW constraint exist.

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13 ABBREVIATION

Short Form	Full Form
PFCCL	PFC Consulting Limited
BPC	Bid Process Coordinator
TBCB	Tariff Based Competitive Bidding
RfP	Request for Proposal
UTM	Universal Transverse Mercator
SOI	Survey of India
SH	State Highway
NH	National Highway
RF	Reserved Forest
PF	Protected Forest
RoW	Right of Way
TSP	Transmission Service Provider

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14 ANNEXURES

Annexure I	ROUTE ALIGNMENT MAP ON DIGITAL TOPOSHEETS

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INDEPENDENT AUDITOR'S REPORT

To the Members of,
RAIGAD POWER TRANSMISSION LIMITED

REPORT ON THE AUDIT OF THE STANDALONE FINANCIAL STATEMENTS

Opinion

We have audited the accompanying standalone financial statements of **RAIGAD POWER TRANSMISSION LIMITED** ("the Company"), which comprise the Balance Sheet as at 31st March 2026, the statement of Profit and Loss, the statement of changes in equity and the statement of cash flows for the period then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information ("herein after referred to as "the standalone financial statements")

In our opinion and to the best of our information and according to the explanations given to us, the aforesaid standalone financial statements give the information required by the Companies Act, 2013 ("the Act") in the manner so required and give a true and fair view in conformity with the Indian Accounting Standards prescribed under section 133 of the Act read with the Companies (Indian Accounting Standards) Rules, 2015 as amended, ("Ind AS") and other accounting principles generally accepted in India, of the state of affairs of the Company as at 31st March 2026, its loss, changes in equity and its cash flows for the period ended on that date.

Basis for Opinion

We conducted our audit of the Standalone Financial Statements in accordance with the Standards on Auditing (SAs) specified under section 143(10) of the Companies Act, 2013. Our responsibilities under those Standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the *Code of Ethics* issued by the Institute of Chartered Accountants of India together with the ethical requirements that are relevant to our audit of the financial statements under the provisions of the Act and the Rules made thereunder, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on the standalone financials statements.

Information Other than the Financial Statements and Auditor's reporting Thereon

The Company's Board of Directors is responsible for the preparation of the other information. The other information comprises the information included in Management Discussion and Analysis, Board's Report including Annexure to Board's Report, Business Responsibility and Sustainability Report, Corporate Governance and Shareholder's information, but does not include standalone financial statements and our auditor's report thereon.

Our Opinion on the Standalone financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

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In connection with our audit of the Standalone financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the financial statements or our knowledge obtained in the audit or otherwise appears to be materially misstated. If, based on the work we have performed, we conclude that there is a material misstatement of this other information; we are required to report that fact. We have nothing to report in this regard.

Responsibilities of Management and Those Charged with Governance for standalone the Financial Statements

The Company's Board of Directors is responsible for the matters stated in section 134(5) of the Companies Act, 2013 ("the Act") with respect to the preparation of these standalone financial statements that give a true and fair view of the financial position, financial performance (including other comprehensive income), changes in equity and cash flows of the Company in accordance with the accounting principles generally accepted in India, including the Indian Accounting Standards specified in the Companies (Indian Accounting Standards) Rules 2015 under section 133 of the Act. This responsibility also includes maintenance of adequate accounting records in accordance with the provisions of the Act for safeguarding of the assets of the Company and for preventing and detecting frauds and other irregularities; selection and application of appropriate accounting policies; making judgments and estimates that are reasonable and prudent; and design, implementation and maintenance of adequate internal financial controls, that were operating effectively for ensuring the accuracy and completeness of the accounting records, relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the Board of Directors is responsible for assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the Board of Directors either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

The Board of Directors are also responsible for overseeing the company's financial reporting process.

Auditor's Responsibilities for the Audit of the Standalone Financial Statements

Our objectives are to obtain reasonable assurance about whether the standalone financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with SAs, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

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- Identify and assess the risks of material misstatement of the standalone financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances. Under section 143(3)(i) of the Act, we are also responsible for expressing our opinion on whether the company has adequate internal financial controls system in place and the operating effectiveness of such controls.

- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.

- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.

- Evaluate the overall presentation, structure and content of the standalone financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

Materiality is the magnitude of misstatements in the standalone financial statements that, individually or in aggregate, makes it probable that the economic decisions of a reasonably knowledgeable user of the standalone financial statements may be influenced. We consider quantitative materiality and qualitative factors in (i) planning the scope of our audit work and in evaluating the results of our work; and (ii) to evaluate the effect of any identified misstatements in the standalone financial statements.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

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AHMEDABAD | AURANGABAD | BHOPAL | BHUBANESWAR | CHHINDWARA | FARIDABAD | GHAZIABAD | LUCKNOW | RAMGARH | RANCHI | SURAT
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Report on Other Legal and Regulatory Requirements

As required by the Companies (Auditor's Report) Order, 2020 ("the Order"), issued by the Central Government of India in terms of sub-section (11) of section 143 of the Act, we give in the "**Annexure-I**" a statement on the matters specified in paragraphs 3 and 4 of the Order, to the extent applicable.

1. We are enclosing our report in terms of Section 143(5) of the Act, on the basis of test checking of the books and records of the company as we considered appropriate and according to the information and explanations given to us, in the "**Annexure-II**" on the directions and sub-directions issued by the Comptroller and Auditor General of India.
2. As required by Section 143(3) of the Act, we report that: -

   a) We have sought and obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purposes of our audit.

   b) In our opinion, proper books of account as required by law have been kept by the Company so far as it appears from our examination of those books.

   c) The Balance Sheet, the Statement of Profit and Loss, the Statement of Changes in Equity and the Cash Flow Statement dealt with by this Report are in agreement with the books of account.

   d) In our opinion, the aforesaid standalone financial statements comply with the Indian Accounting Standards specified under Section 133 of the Act read with relevant rules.

   e) Being a Government Company, pursuant to notification no. G.S.R. 463(E) dated 05.06.2015 issued by the Government of India, provisions of Section 164(2) of the Act, regarding disqualification of director is not applicable to the company.

   f) With respect to the adequacy of the internal financial controls over financial reporting of the Company and the operating effectiveness of such controls, refer to our separate Report in "**Annexure III**". Our report expresses an unmodified opinion on the adequacy and operating effectiveness of the Company's internal standalone financial controls with reference to standalone financial statements

   g) Being a Government Company, pursuant to notification no. G.S.R. 463(E) dated 05.06.2015 issued by the Government of India, provisions of Section 197(16) of the Act, regarding managerial remuneration is not applicable to the company.

   h) With respect to the other matters to be included in the Auditor's Report in accordance with Rule 11 of the Companies (Audit and Auditors) Rules, 2014, in our opinion and to the best of our information and according to the explanations given to us:

      i. The Company does not have any pending litigations which would impact its financial position.

      ii. The Company did not have any long-term contracts including derivative contracts for which there were any material foreseeable losses.

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iii. There were no amounts which were required to be transferred to the Investor Education and Protection Fund by the Company.

iv. (a) The management has represented that, to the best of its knowledge and belief, other than as disclosed in the notes to the accounts, no funds have been advanced or loaned or invested (either from borrowed funds or share premium or any other sources or kind of funds) by the company to or in any other person(s) or entity(ies), including foreign entities ("Intermediaries"), with the understanding, whether recorded in writing or otherwise, that the Intermediary shall, whether, directly or indirectly lend or invest in other persons or entities identified in any manner whatsoever by or on behalf of the company ("Ultimate Beneficiaries") or provide any guarantee, security or the like on behalf of the Ultimate Beneficiaries;

(b) The management has represented, that, to the best of its knowledge and belief, other than as disclosed in the notes to the accounts, no funds have been received by the company from any person(s) or entity(ies), including foreign entities ("Funding Parties"), with the understanding, whether recorded in writing or otherwise, that the company shall, whether directly or indirectly, lend or invest in other persons or entities identified in any manner whatsoever by or on behalf of the Funding Party ("Ultimate Beneficiaries") or provide any guarantee, security or the like on behalf of the Ultimate Beneficiaries; and

(c) Based on such audit procedures that have been considered reasonable and appropriate in the circumstances, nothing has come to our notice that has caused us to believe that the representations under sub-clause (i) and (ii) of Rule 11(e), as provided under (a) and (b) above, contain any material misstatement.

v. No dividend has been declared or paid by the company during the year, as such the compliance with section 123 of the Companies Act, 2013 is not applicable to the company.

i) Based on our examination, which included test checks, the Company has used an accounting software for maintaining its books of account for the financial year ended March 31, 2026 which has a feature of recording audit trail (edit log) facility and the same has been operated throughout the year for all relevant transactions recorded in the software. Further, during the course of our audit we did not come across any instance of the audit trail feature being tampered with and the audit trail has been preserved by the Company in the software itself not separately as per the statutory requirements for record retention.

For SINGHAL SUNIL & ASSOCIATES
CHARTERED ACCOUNTANTS
FRN 008030N

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CA SUNIL SINGHAL
(PARTNER)
M. NO. 086904
UDIN : 26086904KVSDWN9075
PLACE : NEW DELHI
DATE : 07.05.2026

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Singhal Sunil & Associates
CHARTERED ACCOUNTANTS

ANNEXURE-I TO THE INDEPENDENT AUDITOR'S REPORT OF RAIGAD POWER TRANSMISSION LIMITED

The Annexure referred to in our Independent Auditor report to the members of **RAIGAD POWER TRANSMISSION LIMITED** ('the Company') on the Ind AS standalone financial statements for the period ended 31st March 2026.

We report that: -

(i) (a) The company does not have any Property, Plant and Equipment or Right-of-Use assets. Therefore, reporting under this clause is not applicable, except to the extent of Capital Work-in-Progress.

(b) According to the information and explanations given to us and based on our examination of the records of the company, no Property, Plant and Equipment or Right-of-Use assets have been revalued during the year. Accordingly, reporting under this clause is not applicable.

(c) According to the information and explanations given to us and on the basis of our examination of the records of the company, no proceedings have been initiated or are pending against the company for holding any benami property under the Benami Transactions (Prohibition) Act, 1988 and rules made thereunder.

(d) In respect of Capital Work-in-Progress, the company has maintained proper records. The details of projects that are in progress and those that are temporarily suspended have been disclosed in the financial statements, where applicable.

(e) According to the information and explanations given to us and based on our examination of the records of the company, there are no CWIP projects that are overdue or have exceeded their original cost by more than 10% as at the balance sheet date.

(ii) (a) The Company does not hold any inventories. Therefore hence reporting under clause 3(ii)(a) of the Order is not applicable to the company.

(b) The Company has not been sanctioned working capital limits in excess of ₹ 5 crore, in aggregate, at any points of time during the year, from banks or financial institutions on the basis of security of current assets, hence reporting under clause 3(ii)(b) of the Order is not applicable to the company.

(iii) In our opinion and according to the information and explanations given to us, during the year the company has not made any investments in, provided any guarantee or security or granted any loans or advances in the nature of loans, secured or unsecured, to companies, firms, Limited Liability Partnerships or any other parties, hence reporting under clause 3(iii) of the Order is not applicable to the company. We further report that bank guarantees given, if any, as a part of contractual obligations of the company towards its normal course of business are not considered as guarantees given in the nature of loans for the purpose of reporting under this clause.

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(iv) In our opinion and according to the information and explanations given to us, the company has not given any loans, investments, guarantees and security, therefore the reporting under clause 3(iv) of the Order for compliance of provisions of section 185 and 186 of the Companies Act are not applicable.

(v) Based on our scrutiny of the company's records and according to the information and explanations given to us, in our opinion, the Company has not accepted deposit or amounts which are deemed to be deposits in accordance with the provisions of the sections 73 to 76 or any other relevant provisions of the Act, and the rules framed thereunder, hence reporting under clause 3(v) of the Order is not applicable.

(vi) In our opinion and according to the information and explanations given to us, the maintenance of cost records has not been specified by the Central Government under sub-section (1) of section 148 of the Companies Act, 2013, for any of the activities of the company, hence reporting under clause 3(vi) of the Order is not applicable.

(vii) a). The company is regular in depositing undisputed statutory dues including Goods and Services Tax, provident fund, employees' state insurance, income-tax, sales-tax, service tax, duty of customs, duty of excise, value added tax, cess and any other statutory dues applicable to it to the appropriate authorities. According to the information and explanations given to us there are no arrears of outstanding statutory dues as on 31st March 2026 for a period of more than six months from the date they became payable.

b). In our opinion and according to the information and explanations given to us, there are no statutory dues referred to in sub-clause (a) which have not been deposited on account of any dispute.

(viii) In our opinion and according to the information and explanations given to us, there were no transactions which have not been recorded in the books of account and have been surrendered or disclosed as income during the year in the tax assessments under the Income Tax Act, 1961 (43 of 1961).

(ix) (a) In our opinion and according to the information and explanations given to us, the company has not defaulted in repayment of loans or other borrowings or in the payment of interest thereon to any lender during the year.

(b) The company has not been declared a wilful defaulter by any bank or financial institution or other lender.

(c) The company during the year has not taken any term loan other than loan from its holding company which has been applied for the purpose for which the loans were obtained.

(d) The company during the year has not raised funds on short term basis other than loan from its holding company.

(e) The company has no subsidiaries, associates or joint ventures, as such the reporting requirements for taking any funds from any entity or person on account of or to meet the obligations of subsidiaries, associates or joint ventures is not applicable to the company.

SINGHAL SUNIL & ASSOCIATES NEW DELHI FRN-000509N CHARTERED ACCOUNTANTS

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(f) As the company has no subsidiaries, associates or joint ventures, the reporting requirements whether the company has raised loans during the year on the pledge of securities held in its subsidiaries, joint ventures or associate companies is not applicable to the company.

(x) (a)The Company has not raised moneys by way of initial public offer or further public offer (including debt instruments) during the year, hence reporting under clause 3(x)(a) of the Order is not applicable.

(b) The Company has not made any preferential allotment or private placement of shares or convertible debentures (fully or partly or optionally) during the year, hence reporting under clause 3(x)(b) of the Order is not applicable.

(xi) (a) No fraud by the Company and no material fraud on the Company has been noticed or reported during the year, hence reporting under clause 3(xi)(a) of the Order is not applicable.

(b) No report under sub-section (12) of section 143 of the Companies Act has been filed in Form ADT-4 as prescribed under rule 13 of Companies (Audit and Auditors) Rules, 2014 with the Central Government.

(c) According to the information and explanations given to us, the company has not received any whistle blower complaints during the year.

(xii) The Company is not a Nidhi Company and hence reporting under clause (xii) of the Order is not applicable.

(xiii) In our opinion, all transactions with the related parties are in compliance with sections 177 and 188 of Companies Act where applicable and the details have been disclosed in the financial statements, etc., as required by the applicable accounting standards.

(xiv) In our opinion and based on our examination, the company is not required to have an internal audit system as per provisions of the Companies Act 2013.

(xv) In our opinion during the year the Company has not entered into any non-cash transactions with its Directors or persons connected with him, Accordingly, paragraph 3(xv) is not applicable to the company

(xvi) (a) In our opinion, the Company is not required to be registered under section 45-IA of the Reserve Bank of India Act, 1934. Hence, reporting under clause 3(xvi)(a) of the Order is not applicable

(b) In our opinion, the company has not conducted any Non-Banking Financial or Housing Finance activities during the year.

(c) In our opinion, the company is not a Core Investment Company (CIC) as defined in the regulations made by the Reserve Bank of India.

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CHARTERED ACCOUNTANTS

(d) In our opinion, there is no core investment company within the Group (as defined in the Core Investment Companies (Reserve Bank) Directions, 2016) and accordingly reporting under clause 3(xvi)(d) of the Order is not applicable.

(xvii) The Company has incurred cash losses of Rs.46,753/- during the financial period covered by our audit.

(xviii) There has been no resignation of the statutory auditors of the Company during the year.

(xix) On the basis of the financial ratios, ageing and expected dates of realisation of financial assets and payment of financial liabilities, other information accompanying the financial statements, our knowledge of the Board of Directors and management plans, we are of the opinion that no material uncertainty exists as on the date of the audit report that company is capable of meeting its liabilities existing at the date of balance sheet as and when they fall due within a period of one year from the balance sheet date. We, however, state that this is not an assurance as to the future viability of the Company. We further state that our reporting is based on the facts up to the date of the audit report and we neither give any guarantee nor any assurance that all liabilities falling due within a period of one year from the balance sheet date, will get discharged by the Company as and when they fall due.

(xx) According to the information and explanations given to us and based on our examination of the records, the Company is not falling under the provisions of section 135(5) of the Companies Act during the standalone financial year. Accordingly, clause 3(xx)(a) & 3(xx)(b) are not applicable to the company.

(xxi) According to the information and explanations given to us. The Company do not have any Subsidiaries, Joint ventures or Associates. Accordingly, clause paragraph 3(xxi) is not applicable to the company.

For SINGHAL SUNIL & ASSOCIATES
CHARTERED ACCOUNTANTS
FRN 008030N

SINGHAL SUNIL & ASSOCIATES • CHARTERED ACCOUNTANTS • NEW DELHI FRN-08030N

CA SUNIL SINGHAL
(PARTNER)
M. NO. 086904
UDIN : 26086904KVSDWN9075

PLACE : NEW DELHI
DATE : 07.05.2026

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Singhal Sunil & Associates
CHARTERED ACCOUNTANTS

ANNEXURE-II TO THE INDEPENDENT AUDITOR'S REPORT OF RAIGAD POWER TRANSMISSION LIMITED

The Annexure referred to in our report to the members of **RAIGAD POWER TRANSMISSION LIMITED** ('the Company') for the year ended 31st March 2026.

Replies to the Directions issued by Comptroller & Auditor General of India to the Statutory Auditors under Section 143(5) of the Companies Act, 2013 for the period ended 31st March 2026

SN	Particulars	Reply
1.	Assess the fair valuation of all the investments, both quoted and unquoted, made directly by the Company or through Trusts, for post-retirement benefits of the employees. This includes verifying valuation methodologies, ensuring consistency with Ind AS and reviewing supporting documentation. The auditor shall provide a brief note on the valuation approach, its reasonability, and compliance with applicable regulations, reporting any material deviations or misstatements.	The company does not have any investments, both quoted and unquoted, made directly by the company or through trusts, for post-retirement benefits of the employees, hence reporting under this clause is not applicable.
2.	Whether the Company has a system in place to process all the accounting transactions through IT system? If yes, whether review of this system and controls that are significant to the Companies' financial reporting process as well as cyber security has been done by Information Security Auditing Organisations empaneled by Cert-In at a minimum frequency of once in a year and material discrepancies found, if any, have been suitably reported? The implications of processing of accounting transactions outside IT system on the integrity of the accounts along with the financial implications may also be reported.	Yes, the company has system in place to process all the accounting transactions through IT system i.e. Oracle. We have been informed that the ultimate holding company (PFC Ltd) has carried out review of this system and controls that are significant to the Companies' financial reporting process as well as cyber security by Information Security Auditing Organisations empaneled by Cert-In upto financial year 2024-25 and no material discrepancies were reported and further review for FY 2025-26 is in process. In our opinion and to the best of our information and according to the explanations given to us, the company has an adequate control system to verify the correctness of the entries posted in Oracle.
3.	Whether funds (grants / subsidy etc.) received / receivable for specific schemes from Central/State Government or its agencies were properly accounted for as per the applicable accounting standards or norms and whether the received funds were utilized as per its terms and conditions? Whether accounting of interest earned on grants received has been done as per terms and conditions of the Grant. List the cases of deviation.	There are no funds (grants/subsidy etc.) received/receivable for specific schemes from Central/ State government or its agencies, hence reporting under this clause is not applicable.

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4	Whether the Company has identified the key Risk areas? If yes, whether the Company has formulated any Risk Management Policy to mitigate these risks? If yes, (a) whether the Risk Management Policy has been formulated considering global best practices?	As per information and explanations given to us, the company is yet to formally identify and document the key risk areas. Accordingly, the company has not yet formulated a risk management policy to mitigate these risks. However the Board and management of the company works towards monitoring, management and mitigation of potential risks and adverse effects within the corporate environment, paving the way to avail the beneficial opportunities. Further, board and management has also been entrusted with the responsibility to analyse, study and assess the risk factors affecting or potentially affecting the Company on periodical basis and to take counter measures against the same.
	(b) whether the Company has identified its data assets and whether it has been valued appropriately.	The company has not identified any data assets and consequently these have not been subject to valuation.
5.	Whether the Company is complying with the Securities and Exchange Board of India (SEBI) (Listing Obligation and Disclosure Requirements) Regulations, 2015, and other applicable rules and regulations of SEBI, Department of Investment and Public Asset Management, Ministry of Corporate Affairs, Department of Public Enterprises, Reserve Bank of India, Telecom Regulatory Authority of India, CERT-IN, Ministry of Electronics and Information Technology and National Payments Corporation of India wherever applicable? If not, the cases of deviation may be highlighted	The company is an unlisted public entity. Based on our review, the company is generally complying with the applicable directives of the relevant regulatory authorities. During the course of our audit, we have not observed any non-compliance to the applicable Rules and Regulations.

For SINGHAL SUNIL & ASSOCIATES
CHARTERED ACCOUNTANTS
FRN 008030N

SINGHAL SUNIL & ASSOCIATES • CHARTERED ACCOUNTANTS • NEW DELHI FRN-08030N

CA SUNIL SINGHAL
(PARTNER)
M. NO. 086904
UDIN : 26086904KVSDWN9075

PLACE : NEW DELHI
DATE : 07.05.2026

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Singhal Sunil & Associates
CHARTERED ACCOUNTANTS

ANNEXURE-III TO THE INDEPENDENT AUDITOR'S REPORT OF RAIGAD POWER TRANSMISSION LIMITED

The Annexure referred to in our report to the members of RAIGAD POWER TRANSMISSION LIMITED ('the Company') for the period ended 31st March 2026.

Report on the Internal Financial Controls under Clause (i) of Sub-section 3 of Section 143 of the Companies Act, 2013 ("the Act")

We have audited the internal financial controls over financial reporting of **RAIGAD POWER TRANSMISSION LIMITED** ("the Company") as of 31st March, 2026 in conjunction with our audit of the standalone financial statements of the Company for the year ended on that date.

Management's Responsibility for Internal Financial Controls

The Company's management is responsible for establishing and maintaining internal financial controls based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls over Financial Reporting issued by the Institute of Chartered Accountants of India ('ICAI'). These responsibilities include the design, implementation and maintenance of adequate internal financial controls that were operating effectively for ensuring the orderly and efficient conduct of its business, including adherence to company's policies, the safeguarding of its assets, the prevention and detection of frauds and errors, the accuracy and completeness of the accounting records, and the timely preparation of reliable financial information, as required under the Act.

Auditors' Responsibility

Our responsibility is to express an opinion on the Company's internal financial controls over financial reporting based on our audit. We conducted our audit in accordance with the Guidance Note on Audit of Internal Financial Controls over Financial Reporting (the "Guidance Note") and the Standards on Auditing, issued by ICAI and deemed to be prescribed under section 143(10) of the Act, to the extent applicable to an audit of internal financial controls, both applicable to an audit of Internal Financial Controls and, both issued by the Institute of Chartered Accountants of India. Those Standards and the Guidance Note require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether adequate internal financial controls over financial reporting was established and maintained and if such controls operated effectively in all material respects.

Our audit involves performing procedures to obtain audit evidence about the adequacy of the internal financial controls system over financial reporting and their operating effectiveness. Our audit of internal financial controls over financial reporting included obtaining an understanding of internal financial controls over financial reporting, assessing the risk that a material weakness exists, and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion on the Company's internal financial controls system over financial reporting.

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Meaning of Internal Financial Controls Over Financial Reporting

A company's internal financial control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal financial control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of
financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorisations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Inherent Limitations of Internal Financial Controls Over Financial Reporting

Because of the inherent limitations of internal financial controls over financial reporting, including the possibility of collusion or improper management override of controls, material misstatements due to error or fraud may occur and not be detected. Also, projections of any evaluation of the internal financial controls over financial reporting to future periods are subject to the risk that the internal financial control over financial reporting may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Opinion

In our opinion, the Company has, in all material respects, an adequate internal financial controls system over financial reporting and such internal financial controls over financial reporting were operating effectively as at 31st March, 2026, based on the internal control over financial reporting criteria established by the Company considering the essential components of internal control stated in the Guidance Note on Audit of Internal Financial Controls Over Financial Reporting issued by the Institute of Chartered Accountants of India.

For SINGHAL SUNIL & ASSOCIATES
CHARTERED ACCOUNTANTS
FRN 008030N

SINGHAL SUNIL & ASSOCIATES • CHARTERED ACCOUNTANTS • NEW DELHI FRN-08030N

CA SUNIL SINGHAL
(PARTNER)
M. NO. 086904
UDIN : 26086904KVSDWN9075

PLACE : NEW DELHI
DATE : 07.05.2026

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CHARTERED ACCOUNTANTS

COMPLIANCE CERTIFICATE

We have conducted the audit of annual accounts of M/s **RAIGAD POWER TRANSMISSION LIMITED** for the period ended 31st March, 2026 in accordance with the directions / sub-directions issued by the C&AG of India under section 143(5) of the Companies Act, 2013 and certify that we have complied with all the directions / sub-directions issued to us.

For SINGHAL SUNIL & ASSOCIATES
CHARTERED ACCOUNTANTS
FRN 008030N

SINGHAL SUNIL & ASSOCIATES • CHARTERED ACCOUNTANTS • NEW DELHI FRN-08030N

CA SUNIL SINGHAL
(PARTNER)
M. NO. 086904
UDIN : 26086904KVSDWN9075

PLACE : NEW DELHI
DATE : 07.05.2026

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Balance Sheet as at 31st March 2026

(₹ in Hundreds)

	Particulars	Note No.	As at 31st March 2026
(I)	**Assets**		
(1)	**Non-current Assets**		
	(a) Capital Work-In-Progress	3	50,706.59
			50,706.59
(2)	**Current Assets**		
	(a) Financial assets		
	(i) Cash and Cash Equivalents	4	1,000.00
			1,000.00
	Total Assets		**51,706.59**
(II)	**Equity and Liabilities**		
(1)	**Equity**		
	(a) Equity Share Capital	5	1,000.00
	(b) Other Equity	6	(467.53)
			532.47
(2)	**Liabilities**		
(A)	**Current Liabilities**		
	(a) Financial Liabilities		
	(i) Borrowings	7	50,441.89
	(ii) Other Financial Liabilities	8	295.00
	(b) Other Current Liabilities	9	437.23
			51,174.12
	Total Equity and Liabilities		**51,706.59**

The accompanying notes are an integral part of the financial statements 1-31

As per our report of even date
For Singhal Sunil & Associates
Chartered Accountants
Firm Reg No. : 008030N

SINGHAL SUNIL & ASSOCIATES • NEW DELHI FRN-008030N • CHARTERED ACCOUNTANTS

CA Sunil Singhal
(Partner)
Membership No.: 086904

For and on behalf of Board of Directors

Nand Kishor Nagar	**Naveen Kumar**	**Sanjay Kumar Nayak**
(Director)	(Director)	(Chairman)
DIN:11384761	DIN:10427258	DIN:08197193

Place: New Delhi
Date: 07.05.2026

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Statement of Profit and Loss for the period ended on 31st March 2026

(₹ in Hundreds)

Particulars	Note No.	For the period ended on 31st March 2026
Revenue from Operations		-
Other Income		-
Total Income (I)		-
Expenses		
Other Expenses	10	467.53
Total Expenses (II)		**467.53**
Profit/(Loss) before tax (I- II =III)		(467.53)
Tax expenses: (IV)		
Current tax		-
Deferred tax		-
Profit/(Loss) for the period (III - IV = V)		**(467.53)**
Other Comprehensive Income (VI)		-
Total Comprehensive Income for the period (V + VI =VII)		**(467.53)**
Earnings per equity share : (VIII)		
Basic and Diluted (in ₹) (Par value Rs. 10/- per share)	12	(4.68)

The accompanying notes are an integral part of the financial statements 1-31

As per our report of even date
For Singhal Sunil & Associates
Chartered Accountants
Firm Reg No. : 008030N

SINGHAL SUNIL & ASSOCIATES • CHARTERED ACCOUNTANTS • NEW DELHI FRN-08030N

CA Sunil Singhal
(Partner)
Membership No.: 086904

Place: New Delhi
Date: 07.05.2026

For and on behalf of Board of Directors

Nand Kishor Nagar	**Naveen Kumar**	**Sanjay Kumar Nayak**
(Director)	(Director)	(Chairman)
DIN:11384761	DIN:10427258	DIN:08197193

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Statement of Cash Flows for the period ended on 31st March 2026

(₹ in Hundreds)

	Particulars	For the period ended on 31st March 2026
A.	**Cash Flow from Operating Activities:**	
	Net profit/(loss) before tax	(467.53)
	Adjustments for:	
	Adjustments	-
	Operating Profit before Working Capital changes	**(467.53)**
	Adjustments for changes in Working Capital :	
	- Increase/(decrease) in Other financial liabilities	295.00
	- Increase/(decrease) in Other current liabilities	437.23
	Cash Generated From Operating Activities	**264.70**
	Income Taxes paid	-
	Net Cash from Operating Activities	**264.70**
B.	**Cash Flow from Investing Activities:**	
	Addition in Capital work in Progress	(49,480.30)
	Net Cash from Investing Activities	**(49,480.30)**
C.	**Cash Flow from Financing Activities:**	
	Increase in Borrowings	49,215.60
	Issue of Share Capital	1,000.00
	Net Cash from Financing Activities	**50,215.60**
	Net Increase/(Decrease) in Cash & Cash Equivalents (A+B+C)	**1,000.00**
	Cash and Cash Equivalents as at beginning of the period	-
	Cash and Cash Equivalents as at 31st March 2026 (Note-4)	**1,000.00**
	Cash and Cash Equivalents Comprising of:	
	Balance with Bank in Current Account	1,000.00

1) The above statement of cash flows has been prepared under the indirect method as set out in Ind AS 7 'Statement of Cash Flows'.
2) Figures in bracket represent cash outflow.

The accompanying notes are an integral part of the financial statements 1-31

As per our report of even date
For Singhal Sunil & Associates
Chartered Accountants
Firm Reg No. : 008030N

SINGHAL SUNIL & ASSOCIATES • NEW DELHI FRN-008030N • CHARTERED ACCOUNTANTS

CA Sunil Singhal
(Partner)
Membership No.: 086904

Place: New Delhi
Date: 07.05.2026

For and on behalf of Board of Directors

Nand Kishor Nagar	**Naveen Kumar**	**Sanjay Kumar Nayak**
(Director)	(Director)	(Chairman)
DIN:11384761	DIN:10427258	DIN:08197193

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Statement of Changes in Equity for the period ended on 31st March 2026

A. Equity share capital

(1) Current reporting period (17-11-2025 to 31-03-2026)

(₹ in Hundreds)

Balance at the beginning of the period	Changes in Equity Share Capital due to prior period errors	Restated balance as at beginning of the period	Changes in equity share capital during the period	Balance at the 31st March 2026
-	-	-	1,000.00	1,000.00

B. Other Equity

(1) Current reporting period (17-11-2025 to 31-03-2026)

Particulars	Reserves and Surplus		Total
	Retained earnings	Others	
Balance as at the beginning of the period	-	-	-
Changes in accounting policy or prior period errors	-	-	-
Restated balance as at the beginning of the period	-	-	-
Total Comprehensive Income for the period	(467.53)	-	(467.53)
Others	-	-	-
Balance as at 31st March 2026	**(467.53)**	**-**	**(467.53)**

The accompanying notes are an integral part of the financial statements 1-31

As per our report of even date
For Singhal Sunil & Associates
Chartered Accountants
Firm Reg No. 008030N

SINGHAL SUNIL & ASSOCIATES • NEW DELHI FRN-08030N • CHARTERED ACCOUNTANTS

CA Sunil Singhal
(Partner)
Membership No.: 086904

Place: New Delhi
Date: 07.05.2026

For and on behalf of Board of Directors

Nand Kishor Nagar	Naveen Kumar	Sanjay Kumar Nayak
(Director)	(Director)	(Chairman)
DIN:11384761	DIN:10427258	DIN:08197193

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

1 Corporate Information

Raigad Power Transmission Limited "the Company" was incorporated on 17th November, 2025 under the Companies Act, 2013, as a wholly owned subsidiary of PFC Consulting Limited "PFCCL", which is a wholly owned subsidiary of Power Finance Corporation Ltd (PFC Ltd), a Govt. of India undertaking. The registered office of the Company is located at 'Urjanidhi', 1, Barakhamba Lane, Connaught Place, New Delhi-110001. The company is domiciled in india and has been incorporated "Transmission Scheme for Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" for the selection of transmission service provider.The company will be transferred to developer selected as per tariff based competitive bidding guidelines for Transmission Service issued by Ministry of Power, Government of India.

2 Material Accounting Policy Information

a. Basis of Preparation and Statement of Compliance

The financial statements have been prepared on going concern basis following accrual system of accounting. The assets and liabilities have been measured at historical cost or at amortised cost or at fair value at the end of each reporting period.

All assets and liabilities have been classified as current or non-current as per the Company's normal operating cycle and other criteria as set out in the Division II of Schedule III to the Companies Act, 2013. Based on the nature of services and the time between acquisition of assets for processing and their realisation in cash and cash equivalents, the Company has ascertained its operating cycle as 12 months for the purpose of current or non-current classification of assets and liabilities.

These Financial Statements are in compliance with the Indian Accounting Standards (referred to as "Ind AS") notified under the Companies (Indian Accounting Standards) Rules, 2015 (as amended) and applicable provisions of the Companies Act, 2013.

The Financial Statements have been prepared under Ind AS because Ind AS are applicable to its Holding Company PFCCL.

The Company's financial statements are presented in Indian Rupees (INR), which is its functional currency.

Amounts in these financial statements have been rounded off to nearest hundreds upto two decimal points (unless otherwise indicated).

b. Use of Estimates

The preparation of the financial statements requires management to make estimates and assumptions that affect the reported amounts of revenue, expense, assets and liabilities and disclosures relating to contingent liabilities on the date of the financial statements. Actual results could differ from those estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revision to accounting estimates is recognised in the period in which the estimate is revised and in any future period affected.

c. Recognition of Income / Expenditure

Income and expenses (except otherwise stated) are accounted for on accrual basis.

d. Capital Work in Progress

Expenditure incurred on Consultancy /Administrative /Interest /Manpower Charges/ Legal & Professional etc. during construction period/setting up of project (net of incomes) is capitalized and treated as Capital Work In Progress.

e. Expenditure incurred by Holding Company

Expenditure incurred by the company for the Project is funded by the Holding Company "PFCCL" and the same is considered as Borrowings and disclosed under the head Current Liabilities. Interest is charged by Holding Company "PFCCL" as per rate applicable from time to time as per finance agreement.

f. Preliminary Expenses

Preliminary expenses has been charged to the Statement of Profit & Loss in the year in which such expenditure has been incurred.

g. Borrowing Costs

Borrowing cost is charged to the Statement of Profit & Loss for the year in which it is incurred except for capital work in progress which is capitalized till the date of commercial use of the assets.

h. Provisions, Contingent Liabilities and Contingent Assets

(i) Provisions are recognised when the Company has a present obligation (legal or constructive) as a result of a past event, if it is probable that the Company will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation. The amount recognised as a provision is the best estimate of the consideration required to settle the present obligation at the end of the reporting period, taking into account the risks and uncertainties surrounding the obligation. When some or all of the economic benefits required to settle a provision are expected to be recovered from a third party, a receivable is recognised as an asset if it is virtually certain that reimbursement will be received and the amount of the receivable can be measured reliably.

(ii) Where it is not probable that an outflow of economic benefits will be required or the amount cannot be estimated reliably, the obligation is disclosed as contingent liability in notes to accounts, unless the probability of outflow of economic benefits is remote.

(iii) Contingent Assets are not recognised in the financial statements but are disclosed, where an inflow of economic benefit is probable.

(iv) These are reviewed at each balance sheet date and are adjusted to reflect the current management estimate.

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

i. Cash & Cash Equivalents

Cash comprises cash in hand and demand deposits. The Company considers cash equivalents as all short term balances (with an original maturity of three months or less from the date of acquisition), highly liquid investments that are readily convertible into known amounts of cash and which are subject to an insignificant risk of changes in value.

j. Cash Flow Statement

Cash flow Statement is prepared in accordance with the indirect method, whereby net profit/(loss) before tax is adjusted for the effects of transactions of a non-cash nature and any deferrals or accruals of past or future cash receipts or payments. The cash flows from operating, investing and financing activities of the company are segregated.

k. Taxes on Income

Income Tax expense comprises of current and deferred tax. It is recognised in Statement of Profit and Loss, except when it relates to an item that is recognised in OCI or directly in equity, in which case, tax is also recognised in OCI or directly in equity.

Current tax is the expected tax payable on taxable income for the year, using tax rates enacted or substantively enacted and as applicable at the reporting date, and any adjustments to tax payable in respect of Previous Years.

Deferred tax is recognised on temporary differences between the carrying amounts of assets and liabilities in the financial statements and the corresponding tax bases used in the computation of taxable income. Deferred tax is measured at the tax rates based on the laws that have been enacted or substantively enacted by the reporting date. Deferred tax assets and liabilities are offset if there is a legally enforceable right to offset current tax liabilities and assets, and they relate to income taxes levied by the same tax authority.

A deferred tax liability is recognised for all taxable temporary differences. A deferred tax asset is recognized for all deductible temporary differences to the extent that it is probable that taxable profits will be available against which the deductible temporary difference can be utilized. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the related tax benefit will be realized.

l. Financial Instruments

Financial assets and financial liabilities are recognised when the Company becomes a party to the contractual provisions of the financial instruments.

On initial recognition, financial assets and financial liabilities are recognised at fair value plus/ minus transaction cost that are attributable to the acquisition or issue of financial assets and financial liabilities. In case of financial assets and financial liabilities which are recognised at fair value through profit and loss (FVTPL), it's transaction costs are recognised in Statement of Profit and Loss.

A Financial Assets

All regular way purchases or sales of financial assets are recognised and derecognised on a settlement date basis.

After initial recognition, financial assets are subsequently measured in their entirety at either amortised cost or fair value, depending on the classification of the financial assets.

i) Classification and Measurement of Financial Assets (other than Equity instruments)

a) Financial Assets at Amortised Cost:

Financial assets that meet the following conditions are subsequently measured at amortised cost using Effective Interest Rate method (EIR):

- the asset is held within a business model whose objective is to hold assets in order to collect contractual cash flows; and
- the contractual terms of the asset give rise on specified dates to cash flows that are Solely Payments of Principal and Interest (SPPI) on the principal amount outstanding.

b) Financial Assets at Fair Value through Other Comprehensive Income (FVTOCI)

A financial asset is measured at FVTOCI if both the following conditions are met:

- The objective of the business model is achieved both by collecting contractual cash flows and selling the financial asset; and
- the contractual terms of the asset give rise on specified dates to cash flows that are Solely Payments of Principal and Interest (SPPI) on the principal amount outstanding.

c) Financial Assets at fair value through Profit or Loss (FVTPL)

A financial asset is measured at FVTPL unless it is measured at amortised cost or FVTOCI, with all changes in fair value recognised in Statement of Profit and Loss.

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ii) Impairment of Financial Assets

a) Subsequent to initial recognition, the Company recognises expected credit loss (ECL) on financial assets measured at amortised cost. ECL on such financial assets, other than loan assets, is measured at an amount equal to life time expected losses.
The impairment requirements for the recognition and measurement of ECL are equally applied to Loan asset at FVTOCI except that ECL is recognised in other comprehensive income and is not reduced from the carrying amount in the balance sheet.

b) Impairment of Loan Assets and commitments under Letter of Comfort (LoC):
The Company measures ECL on loan assets at an amount equal to the lifetime ECL if there is credit impairment or there has been significant increase in credit risk (SICR) since initial recognition. If there is no SICR as compared to initial recognition, the Company measures ECL at an amount equal to 12-month ECL. When making the assessment of whether there has been a SICR since initial recognition, the Company considers reasonable and supportable information, that is available without undue cost or effort. If the Company measured loss allowance as lifetime ECL in the previous period, but determines in a subsequent period that there has been no SICR since initial recognition due to improvement in credit quality, the Company again measures the loss allowance based on 12-month ECL. ECL is measured on individual basis for credit impaired loan assets, and on other loan assets it is generally measured on collective basis using homogenous groups.

c) The impairment losses and reversals are recognised in Statement of Profit and Loss.

iii) De-recognition of Financial Assets

The Company derecognises a financial asset when the contractual rights to the cash flows from the asset expire, or when it transfers the financial asset and substantially all the risks and rewards of ownership of the asset to another party.
On de-recognition of a financial asset in its entirety, the difference between the asset's carrying amount and the sum of the consideration received and receivable, and the cumulative gain or loss that had been recognised in other comprehensive income and accumulated in equity, is recognised in Statement of Profit and Loss if such gain or loss would have otherwise been recognised in Statement of Profit and Loss on disposal of that financial asset.

B Financial Liabilities

i) All financial liabilities other than derivatives and financial guarantee contracts are subsequently measured at amortised cost using the effective interest rate (EIR) method.
EIR is determined at the initial recognition of the financial liability. EIR is subsequently updated for financial liabilities having floating interest rate, at the respective reset date, in accordance with the terms of the respective contract.

ii) De-recognition of financial liabilities
The Company derecognises financial liabilities when, and only when, the Company's obligations are discharged, cancelled or have expired.
The difference between the carrying amount of the financial liability derecognised and the consideration paid and payable is recognised in Statement of Profit and Loss.

m. Earnings Per Share

Basic earnings per share are computed by dividing the net profit after tax by the weighted average number of equity shares outstanding during the period. Diluted earnings per shares is computed by dividing the profit after tax by the weighted average number of equity shares considered for deriving basic earnings per shares and also the weighted average number of equity shares that could have been issued upon conversion of all dilutive potential equity shares.

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

3. CAPITAL WORK IN PROGRESS (₹ in Hundreds)

Particulars	As at 31st March 2026
Opening Capital work in progress	-
Add: Transferred from Expenditure during construction period (Note no-11)	50,706.59
TOTAL	**50,706.59**

3.1 CWIP aging schedule:

Particulars	Amount in CWIP for a period of				Total
	Less than 1 year	1-2 years	2-3 years	More than 3 years	
As on 31st March 2026					
Projects in progress	50,706.59	-	-	-	50,706.59
Projects temporarily suspended	-	-	-	-	-
Total	**50,706.59**	-	-	-	**50,706.59**

3.2 As on the date of balance sheet, there are no capital work-in-progress projects whose completion is over due or has exceeded the cost, based on approved plan.

4. CASH AND CASH EQUIVALENTS (₹ in Hundreds)

Particulars	As at 31st March 2026
Balance with Bank:	
in Current Account	1,000.00
TOTAL	**1,000.00**

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

5. EQUITY SHARE CAPITAL

(₹ in Hundreds)

Particulars	As at 31st March 2026
Authorised Capital	
10,000 Equity shares of Rs.10/- each	1,000.00
Issued, Subscribed and Paid up	
10,000 Equity shares of Rs.10/- each fully paid up	1,000.00
TOTAL	**1,000.00**

(i) Reconciliation of the number of Shares outstanding at the beginning and at the end of the period:

Particulars	As at 31st March 2026	
	No. of Shares	Amount
Outstanding as at the beginning of the period	-	-
Add: Addition during the period	10,000	1,000.00
Outstanding as at the end of the period	**10,000**	**1,000.00**

(ii) Rights, Preferences and restriction attached to Equity Shares

The Company has one class of equity shares having a par value of Rs 10 per share. Each shareholder is eligible for one vote per share held. The dividend proposed by the Board of Directors is subject to the approval of the shareholders in the ensuing Annual General Meeting, except in case of interim dividend. In the event of liquidation, the equity shareholders are eligible to receive the remaining assets of the Company after distribution of all preferential amounts, in proportion to their shareholding.

(iii) Equity Shares held by the Controlling Entity:

Particulars	As at 31st March 2026	
	No of shares	%
Equity Shares:		
PFC Consulting Limited, the Holding Company *	10,000	100%

(iv) Details of shares held by each shareholder holding more than 5% shares in the Company:

Particulars	As at 31st March 2026	
	No of shares	%
Equity Shares:		
PFC Consulting Limited, the Holding Company *	10,000	100%

* Equity shares are held by PFC Consulting Limited and through its nominees.

(v) Details of shareholding of Promoters at the end of the reporting period

Promoter name	Number of shares	% of total shares	% change during the period
As at 31st March 2026			
PFC Consulting Limited, the Holding Company	9,400	94.00%	-
Nominees of PFC Consulting Limited	600	6.00%	-
	10,000	**100.00%**	-

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

6. OTHER EQUITY

(₹ in Hundreds)

Particulars	As at 31st March 2026
Retained Earnings:	
Balance at the beginning of the Period	-
Add: Total Comprehensive Income for the period	(467.53)
Balance at the end of the period	**(467.53)**

7. BORROWINGS

(₹ in Hundreds)

Particulars	As at 31st March 2026
Financial Liabilities carried at Amortised Cost (Unsecured)	
Borrowing from Related Party (PFC Consulting Limited- Holding Company)	49,215.60
Interest accrued but not due on Borrowing from Related Party	1,226.29
TOTAL	**50,441.89**

8. OTHER FINANCIAL LIABILITIES

(₹ in Hundreds)

Particulars	As at 31st March 2026
Expense payable	295.00
TOTAL	**295.00**

9. OTHER CURRENT LIABILITIES

(₹ in Hundreds)

Particulars	As at 31st March 2026
Statutory dues Payable (TDS)	437.23
TOTAL	**437.23**

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

10. OTHER EXPENSES

(₹ in Hundreds)

Particulars	For the period ended on 31st March 2026
Preliminary Expenses	172.53
Audit Fee	295.00
TOTAL	**467.53**

11. EXPENDITURE DURING CONSTRUCTION PERIOD

(₹ in Hundreds)

Particulars	For the period ended on 31st March 2026
Consultancy Expenses	1,299.55
Manpower Charges	36,004.74
Interest expenses	1,362.54
Outsourcing Expenses	742.33
Advertisment Expenses	8,295.24
Other Administrative Expenses	3,002.19
TOTAL (Transferred to CWIP, Note-3)	**50,706.59**

12. EARNINGS PER SHARE

(₹ in Hundreds)

Particulars	For the period ended on 31st March 2026
Basic and diluted Earning Per Share	
Face value per Equity Share **(In ₹)**	10
Net Profit / (Loss) after Tax as per Statement of Profit and Loss attributable to Equity Shareholders used as numerator	(467.53)
Weighted Average number of Equity Shares used as denominator for calculating Basic & Diluted EPS	10,000
Basic and diluted Earning Per Share (in ₹)	(4.68)
There are no dilutive instruments issued by the company.	

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RAIGAD POWER TRANSMISSION LIMITED
(CIN: U42201DL2025GOI458171)
Notes to the Financial Statements for the period ended on March 31, 2026

13. STATEMENT OF TRANSACTIONS WITH RELATED PARTIES

13.1 Name of related parties and description of relationship:

Ultimate Holding Company			
1	Power Finance Corporation Limited (PFCL)		
Holding Company			
1	PFC Consulting Limited (PFCCL)		
Associate of Holding Company (PFCCL)			
1	Chhatarpur Transmission Limited (incorporated on 25.01.2022)	2	SIOT Transmission Limited (incorporated on 27.04.2022)
3	Joda Barbil Transmission Limited (incorporated on 20.06.2023)	4	Gola B -Ramgarh B Transmission Limited (incorporated on 05.12.2023)
5	Ramakanali B -Panagarh Transmission Limited (incorporated on 21.11.2023)	6	Angul Sundargarh Transmission Limited (incorporated on 01.03.2024 and transferred on 28.07.2025)
7	Bhuj II Transmission Limited (incorporated on 01.03.2024)	8	KPS III HVDC Transmission Limited (incorporated on 18.01.2024 and transferred on 12.12.2025)
9	Bhuj ICT Transmission Limited (incorporated on 19.11.2024)	10	Bhadla and Bikaner Complex Transmisssion Limited (incorporated on 14.10.2024)
11	Kandla GHA Transmission Limited (incorporated on 27.11.2024)	12	Wahipora and Sallar Transmission Limited (incorporated on 11.11.2024)
13	Raghanesda RE Transmission Limited (incorporated on 03.12.2024 and transferred on 23.07.2025)	14	MEL Power Transmission Limited (incorporated on 19.11.2024 and transferred on 04.06.2025)
15	NES Dharashiv Transmission Limited (incorporated on 20.03.2025 and transferred on 12.03.2026)	16	NER Expansion Transmission Limited (incorporated on 06.12.2024 and transferred on 23.07.2025)
17	NES Pune East New Transmission Limited (incorporated on 29.03.2025 and transferred on 12.03.2026)	18	Kakinada I Transmission Limited (incorporated on 20.02.2025)
19	Kurnool IV REZ Power Transmission Limited (incorporated on 13.06.2025)	20	NES Navi Mumbai Transmission Limited (incorporated on 20.03.2025)
21	Alibag Power Transmission Limited (incorporated on 08.11.2025)	22	Raigad Power Transmission Limited (incorporated on 17.11.2025)
23	Tumkur II RE Transmission Limited (incorporated on 24.09.2025)	24	NERGS III Siang Basin Transmission Limited (incorporated on 21.11.2025)
25	Mandsaur I RE Transmission Limited (incorporated on 16.04.2025 and transferred on 08.10.2025)	26	Latur REZ Transmission Limited (incorporated on 10.12.2025)
27	Vindhyachal Varanasi Transmission Limited (incorporated on 16.04.2025 and transferred on 16.10.2025)	28	Wagdari Transmission Limited (incorporated on 13.06.2025 and transferred on 27.03.2026)
29	Morena I SEZ Transmission Limited (incorporated on 16.04.2025 and transferred on 03.02.2026)	30	SR And ER Power Transmission Limited (incorporated on 22.08.2025 and transferred on 03.02.2026)
31	Saswad Transmission Limited (incorporated on 16.06.2025 and transferred on 26.02.2026)	32	South Kalamb Power Transmission Limited (incorporated on 30.09.2025 and transferred on 30.03.2026)
Subsidiary and Associate of PFCL			
1	REC Limited (RECL)	2	REC Power Development & Consultancy Limited (through RECL)
3	PFC Projects Limited (under the process of strike off)	4	PFC Infra Finance IFSC Limited
5	Bihar Mega Power Limited	6	Sakhigopal Integrated Power Company Limited (Striked off on 09.03.2026)
7	Orissa Integrated Power Limited	8	Ghogarpalli Integrated Power Company Limited (Striked off on 16.03.2026)
9	Jharkhand Infrapower Limited (under the process of striking off)	10	Odisha Infrapower Limited (Striked off on 23.03.2026)
11	Coastal Tamil Nadu Power Limited	12	Deoghar Mega Power Limited (under the process of striking off)
13	Bihar Infrapower Limited (under the process of striking off)	14	Cheyyur Infra Limited (under the process of striking off)
15	Deoghar Infra Limited (under the process of striking off)		
Associate of RECL			
1	Chandil Transmission Limited	2	Dumka Transmission Limited
3	Mandar Transmission Limited	4	Koderma Transmission Limited
5	Luhri Power Transmission Limited	6	Shongtong Power Transmission Limited
7	Kankani Power Transmission Limited	8	Tuticorin Power Transmission Limited (Incorporated on 05.11.2024)
9	WRNES Talegaon Power Transmission Limited (Incorporated on 16.11.2024 and transferred on 30.05.2025)	10	Rajgarh III Power Transmission Limited (Striked off on 20.01.2026)
11	Jejuri Hinjewadi Power Transmission Limited (Incorporated on 28.03.2025 and transferred on 09.01.2026)	12	Velgaon Power Transmission Limited (Incorporated on 29.03.2025 and transferred on 09.01.2026)
13	Mekhali Power Transmission Limited (Incorporated on 20.05.2025)	14	Sharavathi Power Transmission Limited (Incorporated on 20.05.2025)
15	Hampapura Power Transmission Limited (incorporated on 20.05.2025)	16	Ryapte Power Transmission Limited (incorporated on 21.05.2025)
17	Robertsganj Power Transmission Limited (Incorporated on 28.05.2025)	18	Ananthapuram II Power Transmission Limited (Incorporated on 26.06.2025 and transferred on 17.10.2025)
19	Jalna Power Transmission Limited (Incorporated on 29.06.2025)	20	SR WR Power Transmission Limited (Incorporated on 10.07.2025 Transferred on 17.10.2025)

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21	Sakoli Power Transmission Limited (Incorporated on 07.07.2025)	22	Umred Power Transmission Limited (Incorporated on 07.07.2025 and transferred on 26.02.2026)
23	Bellary Davanagere Power Transmission Limited (Incorporated on 25.09.2025 and transferred on 12.02.2026)	24	Kempegowda Power Transmission Limited (Incorporated on 30.09.2025)
25	Barmer HVDC Power Transmission Limited (Incorporated on 30.09.2025)	26	WR ER Part A Power Transmission Limited (Incorporated on 06.11.2025)
27	WR ER Part C Power Transmission Limited (Incorporated on 06.11.2025)	28	Balsane Power Transmission Limited (Incorporated on 18.12.2025)
29	Ambernath Power Transmission Limited (Incorporated on 19.12.2025)	30	Musalgaon Power Transmission Limited (Incorporated on 20.12.2025)
31	Dholpur Power Transmission Limited (Incorporated on 23.12.2025)	32	Jaisalmer Power Transmission Limited (Incorporated on 23.12.2025)
33	Apta Power Transmission Limited (Incorporated on 24.12.2025)	34	Ranipur Chunar Power Transmission Limited (Incorporated on 26.12.2025)
35	Munak Power Transmission Limited (Incorporated on 05.01.2026)	36	Vizag Power Transmission Limited (Incorporated on 16.02.2026)

13.2 The Key Management Personnel of the Company are Employees of the ultimate Holding Company (PFC) and deployed on Part Time basis:

S. No.	Name	Designation	Date of Appointment
1	Sanjay Kumar Nayak	Chairman	17.11.2025
2	Naveen Kumar	Director	17.11.2025
3	Nand Kishor Nagar	Director	17.11.2025

Note: After transfer of company to successful bidder, the KMP will be ceased to be directors of the company.

13.3 Details of Transactions:

13.3.1 Transactions with Related Parties

(₹ in Hundreds)

Particulars	For the period ended on 31st March 2026
PFC Consulting Limited (Holding Company)	
- Manpower charges	36,004.74
- Interest on borrowings	1,362.54
- Reimbursement of expenses	13,511.84
- Borrowings	49,215.60

13.3.2 Outstanding Balances with Related Parties

(₹ in Hundreds)

Particulars	As at 31st March 2026
PFC Consulting Limited (Holding Company)	
- Borrowings	49,215.60
- Interest Accrued but not due on Borrowings	1,226.29
- Expense payable (to be reimbursed to PFCCL)	-

13.4 Compensation of Key Management Personnel:

The Key Management Personnel of the Company are Employees of the Ultimate Holding Company (PFCL) deployed to holding company (PFCCL) on secondment basis. No sitting fees has been paid to directors.

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

14 Financial Instruments

(i) Categories of Financial Instruments

(₹ in Hundreds)

Particulars	As at 31st March 2026
Financial Assets:	
Measured at amortised cost	
(a) Cash and Cash Equivalents	1,000.00
Financial Liabilities:	
Measured at amortised cost	
(a) Borrowings	49,215.60
(b) Interest on Borrowings	1,226.29
(c) Other Financial Liabilities	295.00

(ii) Financial Risk Management Objectives

The Company's financial liabilities comprise of borrowings and other payables. The Company's financial assets comprise mainly of cash and cash equivalents. The Company is exposed to market risk (including currency risk, interest risk and other price risk), credit risk and liquidity risk.

The Company's management monitors and manages the financial risks relating to the operations of the Company by analysing exposures by degree and magnitude of risks. Since the entire operations of the company are in India, the currency risk is not applicable to the company.

(iii) Market Risk

Market risk is the risk that the fair value of future cash flows of a financial instrument will fluctuate because of changes in market prices. Market risk comprises three types of risks: interest rate risk, currency risk and other price risk. The Company has no exposure from the international market as the Company operations are in India only. Financial instruments affected by interest rate risk includes borrowings . The Company is not exposed to other price risk.

Market risk exposures are measured using sensitivity analysis.

There has been no change to the Company's exposure to market risks or the manner in which these risks are being managed and measured.

(iv) Interest Rate Risk Management

The Company is exposed to interest rate risk because it borrow funds at the floating rate of interest charged by Power Finance Corporation Limited (Ultimate Holding Company) under category of "State Sector Borrowers (Category 'A') as determined from time to time.

The Company's exposures to interest rates on financial assets and financial liabilities are detailed in the liquidity risk management section of this note.

(v) Interest Rate Sensitivity Analysis

The sensitivity analysis below have been determined based on the exposure to interest rates at the end of the financial year. For floating rate liabilities, the analysis is prepared assuming the amount of the liability outstanding at the end of the financial year was outstanding for the whole year. A 50 basis point increase or decrease is used when reporting interest rate risk internally to key management personnel and represents management's assessment of the reasonably possible change in interest rates.

Sensitivity analysis for a 50 basis points fluctuation in interest and all other variables were held constant is explained below:

If increase by 50 basis point

Particulars	For the period ended on 31st March 2026
Impact for Profit or (Loss)	-
Impact for Other comprehensive income	-

If decrease by 50 basis point

Particulars	For the period ended on 31st March 2026
Impact for Profit or (Loss)	-
Impact for Other comprehensive income	-

As the company is in the project implementation period and all the expenditure incurred are capitalized hence there is no impact on Profit and Loss and Other Comprehensive Income.

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

14 Financial Instruments

(vi) Credit Risk Management

Credit risk refers to the risk that a counterparty will default on its contractual obligations resulting in financial loss to the Company. Company's bank balances are held with a reputed and creditworthy banking institution resulting to limited credit risk from the counterparties.

(vii)Liquidity Risk Management

Liquidity risk refers to the risk that an entity will encounter difficulty in meeting obligations associated with financial liabilities that are settled by delivering cash or another financial asset.
The Company's financial liabilities comprises majorly of unsecured borrowings from its holding company (PFCCL).

The table below provides details regarding the contractual maturities of Financial Liabilities as at 31st March 2026:

(₹ in Hundreds)

Particulars	Carrying Amount	Due in 1st year	Due in 2-5 year	Due in More than 5 year	Due Date not Specified
Financial Liabilities					
Borrowings	49,215.60	49,215.60	-	-	-
Interest on Borrowings	1,226.29	1,226.29	-	-	-
Other Financial Liabilities	295.00	295.00	-	-	-

(viii) Fair Value Measurements

Fair value of the Company's financial assets and financial liabilities that are measured at amortised cost on a recurring basis is as follows:

(₹ in Hundreds)

Particulars	Fair Value Hierarchy	As at 31st March 2026	
		Carrying Amount	Fair Value
Financial Liabilities			
Borrowings	Level 3	49,215.60	49,215.60
Interest on Borrowings	Level 3	1,226.29	1,226.29
Other Financial Liabilities	Level 3	295.00	295.00

There were no transfers between Level 1, Level 2, and Level 3 during the year. The carrying amounts of financial assets and financial liabilities are measured at amortized cost in the prepared financial statements,which are considered to be a reasonable approximation of their fair value, as the Company does not expect the carrying values to differ significantly from the amounts that would ultimately be received or settled.

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RAIGAD POWER TRANSMISSION LIMITED

(CIN: U42201DL2025GOI458171)

Notes to the Financial Statements for the period ended on March 31, 2026

15 Capital management:

The Company manages it's capital to ensure that it will be able to meet the expenses towards the setting up of an Independent Transmission Project. The capital structure of the Company consists of equity and debt from its holding company. For the purpose of the capital management, capital includes issued equity capital, share premium and all other equity reserves attributable to the equity holders of the Company. The primary objective of the Company's management is to maximise the shareholder value. The Company is not subject to any externally imposed capital requirements. The Company's Board reviews the capital structure of the Company on need basis. As at the end of the reporting period, balance of borrowings from its holding company (including interest) Rs.50,441.89 hundreds and equity share capital of Rs. 1,000.00 hundreds.

16 All the expenditure on development of the project incurred by the Company are towards the setting up of Independent Transmission Project. Since the project is identified, all the expenditures are required to be capitalized as Capital work-in-progress. Hence, expenditure during construction Period as mentioned in Note 11 containing all expenses has been transferred to Capital work-in-progress (Refer Accounting Policy Number 2(d)).

17 The expenditure on development are allocated by PFCCL to **Raigad Power Transmission Limited**. Direct Expenditures related to ITP are allocated on 100% basis and common expenditure are allocated based on sharing of services between various ITPs. Original supporting bills in respect of such expenditure incurred by the PFCCL are in the name of PFCCL and retained by them of which copies are available with the company. PFCCL is complying with all the statutory provisions relating to the 'Deduction of Tax At Source and GST etc as appilable to these expenses.

18 The expenses appearing in the Note No. 11 "Expenditure during construction period" include manpower charges of employees posted at PFCCL of Rs. 36,007.74 hundreds. The manpower cost are charged by PFCCL on the basis of cost to company based on actual time spent by the employees for the Company as per invoice raised by PFCCL. This includes manpower charges of Shri Sanjay Kumar Nayak, Chairman, Rs. 1,421.70 hundreds and Shri Naveen Kumar, Director is Nil and Shri Nand Kishor Nagar, Director, Rs. 776.20 hundreds.

19 The expenditure on development of the project are incurred by PFC Consulting Limited (PFCCL) (Holding Company). The company shall pay interest to PFCCL on the expenditure incurred by PFCCL. The rate of interest charged / paid ,alongwith interest tax if any , is as applicable in PFC Ltd. for the Project Loan/Schemes (Transmission) for Borrowers under category "State Sector Borrowers (Category 'A') as determined from time to time.

20 During the period, deferred tax asset on the timing difference on carried forward of losses has arisen, however, in absence of any evidence of availability of future taxable profit, the same has not been recognised in the Financial Statements.

21 Segment Information

The board of directors of the Company, which has been identified as being the chief operating decision maker (CODM), evaluates the Company's performance, allocate resources based on the analysis of the various performance indicator of the Company. The Company is mainly engaged in the business of transmission of electricity and all activities of the Company revolve around this main business as a single unit. Further there are no geographical segments as all the operations of the Company are in India. Therefore, there is no separate reportable segment for the Company as per the requirement of Ind AS 108 "Operating Segments".

22 Other Statutory Information:

(a) The Company does not have any such transaction which is not recorded in the books of accounts that has been surrendered or disclosed as income during the year in the tax assessments under the Income Tax Act, 1961.

(b) The provision of Section 135 of the Companies Act, 2013 regarding CSR is not applicable to the Company as on balance sheet date as there is no profit during the reporting period.

(c) The Company has not traded or invested in Crypto currency or Virtual currency during the financial year.

(d) The Company has not revalued its Property or Plant and Equipment during the period

(e) The Company has no transaction during the year in the nature of Loans or Advances given to Promoters, Directors, KMPs and other related parties (as defined under Companies Act, 2013) either severally or jointly with any other person.

(f) The Company does not have any Benami property and no proceedings have been initiated or pending against the company for holding any benami property under the Benami Transactions (Prohibition) Act, 1988 (45 of 1988) and the rules made thereunder.

(g) The Company has not been declared wilful defaulter by any bank or financial institution or other lender.

(h) The Company does not have any transactions during the year with Struck off Companies.

(i) The Company does not have any registration or satisfaction of charges, which is yet to be registered with ROC beyond the statutory period.

(j) The Company does not have any subsidiary company and hence, provisions related to the number of layers prescribed under clause (87) of section 2 of the Act read with Companies (Restriction on number of Layers) Rules, 2017 are not applicable to the company.

(k) Stock Statement is not applicable on the Company.

(l) In the case of the Company, no Scheme of Arrangements has been filed or approved by the Competent Authority in terms of sections 230 to 237 of the Companies Act, 2013.

(m) The Company does not have any immovable property whose title deeds are not held in the name of the company.

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23 The Particulars of dues to Micro, Small and Medium Enterprises under Micro, Small and Medium Enterprises Development Act,2006 (''MSMED Act''), based on the information available with the Company:

Particulars	As at 31st March 2026
(a) the principal amount and the interest due thereon remaining unpaid to any supplier at the end of accounting period	-
(b) the amount of interest paid by the buyer in terms of section 16 of the MSMED Act 2006, along with the amount of the payment made to the supplier beyond the appointed day during the accounting period	-
(c) the amount of interest due and payable for the period of delay in making payment (which has been paid but beyond the appointed day during the period) but without adding the interest specified under the MSMED Act 2006	-
(d) the amount of interest accrued and remaining unpaid at the end of accounting period	-
(e) the amount of further interest remaining due and payable even in the succeeding years, until such date when the interest dues above are actually paid to the small enterprise, for the purpose of disallowance of a deductible expenditure under section 23 of the MSMED Act 2006	-

24 Commitments:

Particulars	As at 31st March 2026
Estimated amount of contracts remaining to be executed on capital account and not provided for	-
Other commitments	-

25 Contingent Liabilities and Contingent assets

Particulars	As at 31st March 2026
Contingent liabilities of the company and claims against the company not acknowledged by the company as certified by the management for the period	-
Further, No contingent assets and contingent gains are probable to the company.	-

26 Employee Benefit Plans

Since there are no employees in the company, the disclosure requirement as per Ind AS- 19 is not applicable.

27 Auditors Remuneration

(₹ in Hundreds)

Particulars	For the period ended on 31st March 2026
Audit Fees	295.00

28 Other Disclosures:

(a) Expenditure in foreign currency- NIL

(b) Income in foreign exchange- NIL

29 Ratios:

Details of ratios are as under: -

Ratio	Numerator	Denominator	31st March 2026
(a) Current Ratio	Current Assets	Current Liabilities	0.02
(b) Debt-Equity Ratio	Total Debt	Shareholder's Equity	94.73
(c) Debt Service Coverage Ratio	Earnings available for debt service	Debt Service	-
(d) Return on Equity Ratio	Net Profits after taxes	Average Shareholder's Equity	(0.61)
(e) Inventory turnover ratio	Cost of goods sold OR sales	Average Inventory	-
(f) Trade Receivables turnover ratio	Net Credit Sales	Avg. Trade Receivables	-
(g) Trade payables turnover ratio	Net Credit Purchases of services	Average Trade Payables	-
(h) Net capital turnover ratio	Net Sales	Working Capital	-
(i) Net profit ratio	Net Profit after taxes	Net Sales	-
(j) Return on Capital employed	Earning before interest and taxes	Capital Employed*	(0.01)
(k) Return on investment	Return	Investment	-

*Capital employed = Tangible networth + Total debt

Note - Being first financial year, the variance (%) not applicable.

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30 The financial statements have been prepared from the date of incorporation of company on 17th November, 2025 to 31st March, 2026. This being the first year of its operations, hence previous period figures are not applicable.

31 The Financial Statements for the period ended 31st March, 2026 were approved by the Board of Directors and authorised for issue on 06th May 2026.

As per our report of even date
For Singhal Sunil & Associates
Chartered Accountants
Firm Reg No. : 008830N

SINGHAL SUNIL & ASSOCIATES • NEW DELHI FRN-008030N • CHARTERED ACCOUNTANTS

CA Sunil Singhal
(Partner)
Membership No.: 086904

Place: New Delhi
Date: 07.05.2026

For and on behalf of Board of Directors

Nand Kishor Nagar	**Naveen Kumar**	**Sanjay Kumar Nayak**
(Director)	(Director)	(Chairman)
DIN:11384761	DIN:10427258	DIN:08197193

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Annexure P/13

Transmission Licence No. of 2026

Raigad Power Transmission Limited

Date: __October, 2026

Licence is granted by the Maharashtra Electricity Regulatory Commission under the provisions of Section 14 and 15 of the Electricity Act, 2003 to Raigad Power Transmission Limited (RPTL), having its registered office at 1st Floor, Urjanjidhi, 1, Barakhamba Lane, Connaught Place, New Delhi -110001, to build, own, operate and transfer the project (as defined in this Licence, under Part II) and with the powers and upon the terms and conditions specified herein.

Part I: General

1. Short Title:

This Licence may be called the Transmission Licence for RPTL (Licence No. __ of 2026).

2. Definitions:

In these Regulations unless the context otherwise requires:

a) "Accounting Statement" means for each financial year, accounting statements separately in respect of the Licensed Business and the Other Business, comprising-

i. balance sheet, prepared in accordance with the form contained in the Companies Act, 1956 or Companies Act, 2013, as applicable;

ii. profit and loss account, complying with the requirements contained in the Companies Act, 1956 or Companies Act, 2013, as applicable;

iii. cash flow statement, prepared in accordance with the applicable Accounting Standards of the Institute of Chartered Accountants of India;

iv. report of the statutory auditors of the Transmission Licensee;

v. reconciliation statement, duly certified by the statutory auditors, showing the reconciliation between the total expenses, revenue, assets and liabilities, of the entity as a Company and the expenses, revenue, assets and liabilities, separately for each business regulated by the Commission and unregulated business operations;

vi. cost records prescribed by the Central Government under the Companies Act, 1956 or Companies Act, 2013, as applicable;

together with notes thereto, and such other supporting statements and information as the Commission may direct from time to time;

b) "Allocation Statement" means for each financial year, a statement in respect of each of the Other Businesses of the Transmission Licensee undertaken for optimum utilisation of its assets, showing the amounts of any revenue, cost, asset, liability, reserve or provision, which has been either:

i. charged from or to any Other Business together with a description of the basis of that charge; or

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ii. determined by apportionment or allocation between the Transmission Business and any Other Business of the Transmission Licensee, together with a description of the basis of the apportionment or allocation;

c) "Act" means the Electricity Act, 2003 (36 of 2003), as amended from time to time;

d) "Commission" means the Maharashtra Electricity Regulatory Commission;

e) "Licence" means licence granted under Section 14 of the Act to establish or operate transmission lines;

f) "Licensed Business" means the business of establishing or operating transmission lines;

g) "Other Business" means such other business as is referred to in Section 41 of the Act;

h) "Transmission Licensee" means M/s. Raigad Power Transmission Limited in its capacity as operator of the Licensed Business.

Words or expressions used herein and not defined shall have the meanings assigned to them in the Act.

Part II: General Terms and Conditions

3. Area of transmission:

The Licence authorizes the Transmission Licensee to build, own, operate and transfer the project comprising of the elements mentioned in Schedule 1 of TSA dated 28 September 2026, as under:

Sl. No.	***Name of the Transmission Element***	***Scheduled COD***
1	*Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level.* • *765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit)* • *240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit)* • *400/220 kV, 500 MVA, ICT – 2 Nos.* • *125 MVAR ,420 kV Bus reactor–1 No* • *765 kV ICT bays –3 Nos.* • *400 kV ICT bays –5 Nos.* • *765 kV line bays –4 Nos.* • *400 kV line bays – 4 Nos.* • *765 kV Bus reactor Bay– 1 No.*	*24 months from Effective Date*

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	• *400 kV Bus reactor bay– 1 No.* • *220 kV ICT bays – 2 Nos.* • *220 kV line bays – 2 Nos.* • *220 kV Transfer Bus Coupler- 1 set* • *220 kV Bus Coupler-1 No* ***Future space Provisions:*** • *765/400 kV, 1500 MVA, ICT -1 No* • *400/220 kV, 500 MVA, ICT -1 No* • *765 kV line bays- 4 Nos.* • *400 kV line bays – 4 Nos* • *220 kV line bays – 2 Nos.*	
2	*LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon*	
3	*LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon*	
4	*220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing)* • *220 kV GIS line bays at 220 kV Kandalgaon (Existing)– 2 Nos.*	
Note: 1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation) *a. 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)* 2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters.		

4. Commencement and term of licence:

The Licence shall come into force from _____ and, unless revoked earlier by the Commission in accordance with the provisions of Section 19 of the Act, shall remain in force for the period of 25 years as specified under sub-section (8) of Section 15 of the Act. Additionally, considering that the term of the Transmission Service Agreement dated 28.09.2026 which pertains to the Project is of 35 years, the Licensee seek leave to file a Petition seeking extension of the Transmission Licence after the initial term of 25 years.

5. Duties:

5.1. The Transmission Licensee shall comply with all the applicable provisions of the Act, the rules prescribed thereunder, Transmission Service Agreement, all Regulations, Orders and directions issued by the Commission from time to time.

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5.2. The Transmission Licensee shall as soon as practicable, report to the Commission:

a) any significant change in its circumstances which may affect the Transmission Licensee's ability to meet its obligations under the Act, the Rules and Regulations thereunder, directions and Orders issued by the Commission, Transmission Service Agreement or the Licence;

b) any material breach, or likelihood thereof, of the provisions of the Act, the Rules and the Regulations thereunder, Directions and Orders issued by the Commission, agreement or the Licence, which was reasonably within its knowledge, along with the reasons therefor, as soon as practicable; and

c) any change in management control or major change in the shareholding pattern of the Transmission Licensee.

Explanation I – for the purpose of this clause, "management control" shall include the right to appoint majority of the directors or to control the management or policy decisions of the Transmission Licensee, including by virtue of shareholding or management rights or shareholders' agreement or partnership deed or trust deed or voting agreement or in any other manner;

Explanation II – for the purpose of this clause, "major change in shareholding pattern" shall mean the acquisition, by such person as specified in Regulation 7 of the Securities and Exchange Board of India (Substantial Acquisition of Shares and Takeovers) Regulations, 1997, as in force from time to time, of such per cent of shares or voting rights in the Transmission Licensee as would entail a disclosure under sub-regulation (1) of that Regulation.

5.3. The Transmission Licensee shall seek the approval of the Commission before creating any encumbrance on the assets of the Licensed Business, except where such encumbrance is created for the purpose of the Licensed Business.

5.4. The Transmission Licensee may engage any of its subsidiaries or holding company or a subsidiary of such holding company to provide any goods or services to the Transmission Licensee in connection with the Licensed Business, subject to the following conditions:

a) that the transaction shall be undertaken on an "arm's-length basis" and at a value that is fair and reasonable in the circumstances, which for the purposes of this clause, shall mean with respect to any specific transaction, substantially on terms that would be obtained between the Transmission Licensee and a third party unrelated to and unconnected with the Transmission Licensee;

b) that the Transmission Licensee shall report to the Commission, for each financial year, the details of all transactions of the nature referred to in this Regulation entered into during the financial year;

c) that the Transmission Licensee shall submit to the Commission, for each financial year, a certificate from a Chartered Accountant as regards compliance with the requirement of clause (a) above .

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Explanation – for the purpose of this clause, the terms "subsidiary" and "holding company" shall have the same meaning as under Section 2 of the Companies Act, 2013 as amended from time to time.

6. Street Works:

The Transmission Licensee may, undertake works upon any streets or parts of streets, railways, canals or waterways or parts thereof, either in the domain of Central Government, State Government, Semi government and Municipal bodies or in private domain, only after obtaining all statutory permissions required to be obtained for undertaking such work.

7. Accounts:

7.1. The financial year of the Transmission Licensee shall run from the first of April to the following thirty-first of March.

7.2. The Transmission Licensee shall, in respect of the Licensed Business and the Other Business:

a) keep such Allocation Statement as would be required, so that the revenues, costs, assets, liabilities, reserves and provisions for, or reasonably attributable to the Licensed Business are separately identifiable in the books of the Transmission Licensee;

b) adopt a fair and transparent cost allocation mechanism for the reasonable allocation of joint and common costs between the Licensed Business and the Other Business;

c) prepare on a consistent basis the Accounting Statements in accordance with the provisions of the Companies Act, 2013 and/or the standards or guidelines of the Institute of Chartered Accountants of India.

Explanation – References in this Licence Condition 7.2 to costs or liabilities of, or reasonably attributable to Licensed Business or Other Business shall be construed as excluding taxation, and capital liabilities which do not relate principally to such Business and interest thereon.

7.3. The Transmission Licensee shall upon request by any person make available a copy of its Accounting Statements to any person who may require it at a reasonable price not to exceed the photocopying charges.

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8. Provision of Information to the Commission

The Transmission Licensee shall furnish to the Commission such information, documents and details related to the Licensed Business and/or the Other Business of the Transmission Licensee as the Commission may require.

9. Licence Fees

During the period of validity of the licence, the Transmission Licensee shall, by the 10th of April of every year, or such further period as the Commission may allow, pay to the Commission such licence fees as may be specified.

10. Decision on Interpretation of Licence:

The interpretation of the Licence and the terms and conditions thereof shall be as determined by the Commission.

Part III: Specific Terms and Conditions

11. Other Duties:

11.1. The Transmission Licensee shall strictly abide by all the terms and conditions as specified in Transmission Service Agreement executed between the Licensee and Long Term Transmission Customers.

11.2. The Transmission Licensee shall abide by the system specifications as provided and agreed in the bidding document and also incorporated in the Transmission Service Agreement. No deviation, whatsoever, shall be permitted at any stage.

11.3. The Transmission Licensee shall be responsible for obtaining all Consents, Clearances and Permits relating but not limited to road/ rail/ river/ canal/ power line/ crossings, power and telecom coordination committee, defence, civil aviation, right of way/ way-leaves and environmental & forest clearance from relevant authorities required for developing, financing, constructing, maintaining/ renewing all such Consents, Clearances and Permits in order to carry out its obligations under the Transmission Service Agreement, and shall furnish to the Commission promptly with the copy/ies of Consents, Clearances and Permits, which it obtains.

11.4. The Transmission Licensee shall be responsible to acquire the necessary land for Substation and Lines etc., required for the project in a manner such that all the obligations under the Transmission Service Agreement are met.

11.5. The Transmission Licensee shall be responsible to operate and maintain the project in an efficient, coordinated and economical manner in accordance with MERC State Grid Code and comply with the directions issued by the National Load Despatch Centre, RLDC or the SLDC, as the case may be, in line with the provisions of the Electricity Act 2003 and Rule 5 of the Electricity Rules, 2005, and as amended from time to time.

11.6. The Transmission Licensee shall be responsible to honour all the terms and conditions of Transmission Service Agreement during the construction and operations phase.

11.7. The Transmission Licensee shall not enter into any contract for or otherwise engage in the business of trading in electricity during the period of subsistence of the Transmission Licence.

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11.8. The licensee shall not undertake any other business for optimum utilization of the Transmission System without prior intimation to the Commission.

11.9. The Transmission Licensee shall ensure commissioning/ execution of the project within timeline specified in the Schedule 1 of the TSA (i.e., 24 Months from effective date/ 28.09.2026).

11.10. The Transmission Licensee shall provide to the Maharashtra State Transmission Utility, on a monthly basis, progress reports with regard to the Project and its execution to enable the Long Term Transmission Customers to monitor and co-ordinate the development of the Project, matching with the Interconnection Facilities. A copy of such monthly progress report shall also be sent to STU, CEA and the Commission.

11.11. The Transmission Licensee shall as far as practicable coordinate with the other licensees executing the upstream or downstream transmission Projects and the STU for ensuring execution of the Project in a matching timeline;

11.12. Failure of RPTL to comply with the provisions of TSA/EA and Rules and Regulations etc., this Licence would be liable to be cancelled with due process.

12. Sharing of Transmission Charges:

The transmission charges will be shared and recovered as per the Maharashtra Electricity Regulatory Commission (Multi Year Tariff) Regulations, 2014 as amended from time to time.

Secretary

Maharashtra Electricity Regulatory Commission, Mumbai

Dated: ___,October,2026

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Annexure P/14

RAIGAD POWWR TRANSMISSION LIMITED

1st Floor, Urjanjidhi, 1, Barakhamba Lane, Connaught Place, New Delhi – 110 001

NOTICE

[Under sub-section (2) of Section 15 of the Electricity Act, 2003]

1. **RAIGAD POWER TRANSMISSION LIMITED** ("**RPTL**"), having its Registered Office at First Floor, Urjanidhi, 1, Barakhamba Lane, Connaught Place, New Delhi – 110001, which is incorporated under the Companies Act, 2013, has made an Application before the Central Electricity Regulatory Commission, New Delhi under sub-section (1) of Section 15 of the Electricity Act, 2003 for grant of transmission licence in respect of the transmission lines, sub-stations and other assets, the details of which are given as under: -

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
1	Establishment of AIS Kandalgaon with 3x1500 MVA, 765/400 kV ICTs with 240 MVAr Bus Reactor at 765 kV Level and 2x500 MVA, 400/220 kV ICTs with 125 MVAr Bus Reactor at 400 kV Level. • 765/400 kV, 1500 MVA, ICT – 3 Nos. (10x500 MVA single phase units including one spare ICT Unit) • 240 MVAr, 765 kV Bus Reactor - 1 No. (4 x 80 MVA single phase units including one spare Reactor Unit) • 400/220 kV, 500 MVA, ICT – 2 Nos. • 125 MVAR ,420 kV Bus reactor–1 No • 765 kV ICT bays –3 Nos. • 400 kV ICT bays –5 Nos. • 765 kV line bays –4 Nos. • 400 kV line bays – 4 Nos. • 765 kV Bus reactor Bay– 1 No. • 400 kV Bus reactor bay– 1 No. • 220 kV ICT bays – 2 Nos. • 220 kV line bays – 2 Nos. • 220 kV Transfer Bus Coupler- 1 set • 220 kV Bus Coupler-1 No **Future space Provisions:** • 765/400 kV, 1500 MVA, ICT -1 No • 400/220 kV, 500 MVA, ICT -1 No	24 months from Effective Date, i.e., 28 September 2028	100%	All Elements are required to be commissioned simultaneously as their utilization is dependent on commissioning of each other.

TRUE COPY

Sl. No.	Name of the Transmission Element	Scheduled COD	Percentage of Quoted Transmission Charges recoverable on Scheduled COD of the Element of the Project	Element(s) which are pre-required for declaring the commercial operation (COD) of the respective Element
	• 765 kV line bays- 4 Nos. • 400 kV line bays – 4 Nos • 220 kV line bays – 2 Nos.			
2	LILO on 765 kV D/C line from Satara (Proposed) to Pune-III (Proposed) at 765 kV AIS Kandalgaon			
3	LILO on 400 kV D/C line from Dabhol to Nagothane at 765 kV AIS Kandalgaon			
4	220 kV D/C line from 765 kV AIS Kandalgaon to 220 kV Kandalgaon (Existing) • 220 kV GIS line bays at 220 kV Kandalgaon (Existing)– 2 Nos.			
Note: 1. The Existing 220 kV Kandalgaon (MSETCL) Sub-station is being converted from AIS to GIS with expected Time line for completion as August 2027. Space shall be provided by Transmission Utility for extension of the work at existing substation) *a. 220 kV GIS line bays at 220 kV AIS Kandalgaon (Existing)* 2. In case of LILO lines the technical specifications of Conductor and OPGW should be matching with existing line parameters.				

2. The complete Application and other documents filed before the Commission are available on the website www.apraava.com for access by any person. The Application can also be inspected at the office of the Company at First Floor, Urjanidhi, 1, Barakhamba Lane, Connaught Place, New Delhi – 110001 with Mr. Sumit Kumar Sinha, or at the Office of the Commission in accordance with the procedure specified by the Commission.

3. Objections or suggestions, if any, may be filed before the Secretary, Maharashtra Electricity Regulatory Commission, World Trade Centre,Centre No.1,13th Floor, Cuffe Parade, Colaba, Mumbai, Maharashtra 400 005, with a copy of the objection(s)/suggestion(s) to Mr. Sumit Kumar Sinha @sumit.sinha@apraava.com within 15 days of the publication of this notice in the newspaper.

Place: Mumbai

Date: ____.10.2026

For Raigad Power Transmission Limited

_____

(Signature of the Authorised Signatory)

Name: Nabeel Saleem

Designation: General Counsel

TRUE COPY

BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY

COMMISSION AT MUMBAI

Filing No._____

Case No._____

IN THE MATTER OF:

Application under Sections 14, 15 and 86 (1)(d) of the Electricity Act, 2003 read with Regulation 4 of the Maharashtra Electricity Regulatory Commission (Transmission License Conditions) Regulations, 2004 for the grant of transmission license for establishment of the intra-State transmission system forming part of the "Establishment of 765/400/220 kV AIS Kandalgaon (Dist. Raigad)" on Build, Own, Operate and Transfer (BOOT) basis, and to provide transmission service, developed through Tariff Based Competitive Bidding.

AND IN THE MATTER OF:

Raigad Power Transmission Limited **...Petitioner/Applicant**

VERSUS

Maharashtra State Electricity Transmission Co. Ltd. &Ors. **...Respondents**

MEMO OF AUTHORISATION

I, Nabeel Saleem, Authorised Signatory of the Raigad Power Transmission Limited, i.e., the Petitioner in the above-mentioned matter do hereby nominate, appoint and constitute PLA Advocates, to act, plead and appear on my behalf in the aforesaid matter.

IN WITNESS WHEREOF I have set and subscribed my hands to this writing on this 1st day of October, 2026.

Place: Mumbai

Date: 01.10.2026

NOTARY BRAJESH C YADAV Greater Mumbai Reg. No. 10049 Exp. On 29/09/2028 GOVT. OF INDIA

Petitioner

I ACCEPT

RAIGAD POWER TRANSMISSION LTD.

Address for Correspondence

Archita

PLA Advocates

B-42, (West Wing), First Floor

Panchsheel Enclave, New Delhi-110017

Ph. No.: +91-11-45549494

Mob. No.: +91-9871012051

Email id: aniket.prasoon@plalegal.com

NOTARY
BRAJESH C YADAV
Greater Mumbai
Reg. No. 10049
Exp. On 29/09/2028
GOVT. OF INDIA

BEFORE THE HON'BLE MAHARASHTRA ELECTRICITY REGULATORY

COMMISSION AT MUMBAI

ADVOCATES' WELFARE FUND STAMP ₹25 3132060 BAR COUNCIL OF DELHI DELHI TWENTYFIVE RUPEES

Filing No._____

Case No._____

AND IN THE MATTER OF:

Raigad Power Transmission Limited **...Petitioner/Applicant**

VERSUS

Maharashtra State Electricity Transmission Co. Ltd. &Ors. **...Respondents**

VAKALATNAMA

I, Nabeel Saleem, i.e., the authorized representative of the Petitioner, in the above Petition do hereby appoint Mr. Aniket Prasoon, Ms. Pratiksha Chaturvedi, Mr. Aman Sheikh, Ms. Sunanda Chowdhury, Mr. Adarsh Kumar Bhardwaj, Mr. Shubham Singh, Ms. Archita Kashyap, Mr. Sarthak Sareen, Ms. Tanya Bajaj, Ms. Anannya Sinha Ms. Priyanshi Singh, Mr. Aditya Rai and Mr. Amulya Jaiswal Advocate(s) with e-portal Id 'ANIKETPRASOON' to appear, plead and act for me/us in the above petition/application and to conduct and prosecute all proceedings that may be taken in respect thereof and applications for return of documents, enter into compromise and to draw any moneys payable to me/us in the said proceeding.

Place: Mumbai

Date: 01.10.2026

Signature of the Party

RAIGAD POWER TRANSMISSION LTD.

"Accepted"

Executed in my presence.

Aniket Prasoon D/1375/2009 [ANIKET PRASOON]

PLA Advocates

Advocates for the Petitioner

B-42, First Floor (West Wing),

Panchsheel Enclave, New Delhi-110017

Ph. No.: +91-11-45549494

Mob. No.: +91-9871012051

Email id: aniket.prasoon@plalegal.com

NOTARY BRAJESH C YADAV Greater Mumbai Reg. No. 10049 Exp. On 29/09/2028 GOVT. OF INDIA

Aditya Rai [D/4970/2026] Aditya Rai

Sheikh D/4323/2019 [AMAN SHEIKH]

Adarsh BR/91/2022 [ADARSH KUMAR BHARDWAJ]

Pratiksha D/2334/2015 [PRATIKSHA CHATURVEDI]

Archita D/686/2023 [ARCHITA KASHYAP]

RAIGAD POWER TRANSMISSION LIMITED

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTORS OF RAIGAD POWER TRANSMISSION LIMITED (THE "COMPANY") ON 28 SEPTEMBER 2026

AUTHORISATION TO THE DIRECTORS / AUTHORISED REPRESENTATIVES FOR AUTHENTICATING AND FILING DOCUMENTS WITH STATUTORY / REGULATORY AUTHORITIES, COURTS OF LAW AND JUDICIAL / QUASI-JUDICIAL BODIES, INCO ME TAX E-FILING, FOR AND ON BEHALF OF THE COMPANY

"RESOLVED THAT each and any one of the Directors of Company, Mr. Anurag Deshmukh, Group Financial Controller, Apraava Energy Private Limited, the holding company or Mr. Sanjeev Sharma, General Manager – Finance & Accounts, Kohima-Mariani Transmission Limited, fellow subsidiary company be and is hereby authorised severally, for and on behalf of the Company to;

a. execute, sign / authenticate, verify, affirm, depose, seal, certify and amend, if required, letters, forms, e-forms, applications, petitions, appeals, addendums, rejoinders, memoranda, papers and other documents required to be authenticated for and on behalf of the Company (**"Documents"**);

b. submit, deliver and file any of the Documents with and to appear / represent the Company and to appoint / retain, instruct lawyers and / or other consultants to represent the Company before any courts of law, statutory / regulatory authorities, Income Tax / Goods & Services Tax authorities or any tribunals / appellate authorities and judicial / quasi-judicial bodies, from time to time, as may be considered necessary or expedient;

RESOLVED FURTHER THAT each and any one of the Directors of Company, be and is hereby authorised severally to forward a certified true copy of the resolution to the concerned authorities for their action/s thereon."

For Raigad Power Transmission Limited

Ramesh Kumar Shanmugam
Additional Director
DIN: 10776122

RAIGAD POWER TRANSMISSION LTD. NEW DELHI

NOTARY BRAJESH C YADAV Greater Mumbai Reg. No. 10049 Exp. On 29/09/2028 GOVT. OF INDIA

Date: 29 September 2026
Place: Mumbai