Annexure-2.1

OFFICE OF THE CHIEF ELECTRICAL ENGINEER
GOVERNMENT OF GOA
ELECTRICITY DEPARTMENT
VIDYUT BHAVAN, 3RD FLOOR
PANAJI – GOA

No. 103/01/CEE/Tech/25-26/ 513 **Dated:** 13 /06/2025

To,

The Member Secretary
Western Regional Power Committee
F-3, MIDC-Area, Andheri (East),
Mumbai- 400 093.

Sub: - Agenda item for upcoming Commercial Committee Meeting (CCM) of WRPC - Request for Equitable Sharing of Transmission Charges under Goa Tamnar Transmission Project.

Sir,

The Electricity Department of Goa (ED-Goa) respectfully submits this representation regarding the sharing of transmission charges for the Goa Tamnar Transmission Project, as adopted by the Hon'ble Commission through its order dated 13th July 2018 in Petition No. 97/AT/2018 (enclosed in **Annexure-1**).

The Hon'ble Commission had, vide the said order, approved the adoption of transmission charges discovered through competitive bidding under Section 63 of the Electricity Act, 2003, for the Goa Tamnar Transmission Project, comprising critical infrastructure aimed at strengthening the 400 kV feed to Goa and facilitating power evacuation from the Raigarh (Tamnar) Pool.

As per paragraph 9 of the said order, eight beneficiaries were identified as Long-Term Transmission Customers (LTTCs), namely:

1. Maharashtra State Electricity Distribution Company Limited
2. Gujarat Urja Vikas Nigam Limited
3. Madhya Pradesh Power Management Company Limited
4. Chhattisgarh State Power Distribution Company Limited

5. Goa Electricity Department
6. DNH Power Distribution Corporation Limited
7. Electricity Department, Daman & Diu
8. North Bihar Power Distribution Company Limited.

The table below (referenced from Point 8 of the order) outlines the major components of the project:

S. No.	Name of Transmission Element	Status
1	LILO of one ckt. of Narendra (existing)-Narendra (New) 400 kV D/c quad line at Xeldem	Not yet implemented; timeline uncertain
2	Xeldem–Mapusa 400 kV D/c (quad) line	Already commissioned
3	Establishment of 2X500 MVA, 400/220 kV substation at Xeldem	Already commissioned

While the substation at Xeldem is ready and operational, the LILO of one circuit from Narendra (existing) to Narendra (new), which is the main upstream connectivity to the Western Region, has not yet been commissioned. Further, there is no certainty regarding upcoming load or upstream lines from the Western Region. Additionally, connectivity through the Southern Region remains unresolved due to interconnection issues with Karnataka.

Despite the above, it has been observed from the RTA and RTDA documents issued by WRPC for the billing month of May 2025 (billing period: March 2025), reference Letter No. WRPC/Comml-I/POC/RTA&RTDA/2025/5.0/10051-10093 dated 30th April 2025 (enclosed in **Annexure-2**), that the entire cost of the downstream system under the project has been allocated to ED-Goa, whereas the infrastructure was envisaged to serve multiple beneficiaries.

This disproportionate loading of charges is inconsistent with the Hon'ble Commission's intent and the CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, which stipulate cost-sharing among all beneficiaries.

We therefore humbly request to - Take up this issue as Agenda item in the upcoming Commercial Committee Meeting (CCM) of WRPC for National sharing of the transmission charges among all eight identified beneficiaries, as per the sharing principles under applicable CERC regulations.

We seek your kind intervention to ensure fair and equitable treatment of Goa, and to prevent unjust financial burden on our consumers.

Yours Faithfully,

(Stephen Fernandes)

Chief Electrical Engineer

Enclosures:

1. Copy of CERC Order dated 13.07.2018 in Petition No. 97/AT/2018
2. Copy of WRPC Letter No. [insert letter number] – RTA/RTDA for May 2025

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 97/AT/2018

Subject : Application under Section 63 of the Electricity Act, 2003 for adoption of Tariff with respect to the Transmission System being established by Goa- Tanmar Transmission Project Limited.

Date of hearing : 29.5.2018

Coram : Shri P.K. Pujari, Chairperson
Shri A.K. Singhal, Member
Shri A.S. Bakshi, Member
Dr. M.K. Iyer, Member

Petitioner : Goa- Tanmar Transmission Project Limited (GTTPL)

Respondents : Maharashtra State Electricity Distribution Company Ltd. and Others

Parties present : Shri Pulkit Sharma, Advocate, GTTPL
Shri Sanjay Nayak, PFCCL
Shri N.C. Gupta, PFCCL

Record of Proceedings

Learned counsel for the Petitioner submitted that the present petition has been filed under Section 63 of the Electricity Act, 2003 for adoption of transmission charges to establish the transmission system for Goa- Tanmar Transmission Project Limited and requested to adopt the transmission charges.

2. After hearing the learned counsel for the Petitioner, the Commission reserved the order in the petition.

By order of the Commission

Sd/-
(T. Rout)
Chief (Law)

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Petition No. 97/AT/2018

Coram:
Shri P. K. Pujari, Chairperson
Shri A. K. Singhal, Member
Shri A.S. Bakshi, Member
Dr. M.K. Iyer, Member

Date of Order: 13th of July, 2018

In the matter of:

Application under Section 63 of the Electricity Act, 2003 for adoption of transmission charges with respect to the Transmission System being established by the Goa Tanmar Transmission Project Limited for "Additional 400 kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool on Build, Own, Operate and Maintain basis.

And
In the matter of:

Goa Tanmar Transmission Project Limited
F-1, The Mira Corporate Suites1 & 2 Ishwar Nagar,
Okhla Crossing, Mathura Road, New Delhi-110065 **…Petitioner**

Vs.

1. Maharashtra State Electricity Distribution Company Limited
Hongkong Bank Building, M.G. Road, Fort,
Mumbai – 400001,

2. North Bihar Power Distribution Company Limited
Chief Engineer (Commercial)
2nd Floor, Vidyut Bhawan, Bailey Road,
Patna-800001

3. Gujarat Urja Vikas Nigam Limited
Race Course
Baroda- 390007

4. M.P. Power Management Company Limited
Shakti Bhavan
Jabalpur, (MP) – 482008

5. Chattisgarh State Power Distribution Company Limited
Vidyut Sewa Bhavan, Daganiya,
Raipur – 492 013

6. Goa Electricity Department
Vidyut Bhavan, 3rd Floor
Panaji, Goa - 403001

7. DNH Power Distribution Corporation, Limited
Vidyut Bhavan, Near 66 KV Amli S/S,
Besides Secretariat,
Silvasa, Dadar Nagar Haveli - 396230

8. Electricity Department, Daman & Diu
Vidyut Bhavan, Kachigam, Ringanwada
Vapi, Daman – 396215 **…Respondents**

Parties Present:
Shri TAN Reddy, GTTPL
Shri Pulkit Sharma, GTTPL
Shri Sanjay Nayak, PFCCL
Shri N.C. Gupta, PFCCL

ORDER

The Petitioner, Goa Tanmar Transmission Project Limited, has filed the present petition under Section 63 of the Electricity Act, 2003 (hereinafter referred to as the 'Act') for adoption of transmission charges in respect of 'Transmission System associated with Additional 400 kV feed to Goa and additional system for power evacuation from generation projects pooled at Raigarh (Tamnar) Pool' on Build, Own, Operate and Maintain (BOOM) basis (hereinafter referred to as "Transmission System").

2. Section 63 of the Act provides as under:

> "Section 63: Determination of tariff by bidding process: Notwithstanding anything contained in section 62, the Appropriate Commission shall adopt the tariff if such tariff has been determined through transparent process of bidding in accordance with the guidelines issued by the Central Government."

3. Government of India, Ministry of Power has notified the Guidelines under Section 63 of the Act vide Resolution No. 11/5/2005-PG(i) dated 17.4.2006. The salient features of the Guidelines are discussed in brief as under:

a) The Guidelines are applicable for procurement of transmission services for transmission of electricity through tariff based competitive bidding and for selection of transmission service provider for new transmission lines and to build, own, maintain and operate the specified transmission system elements.

b) For procurement of transmission services, required for inter-State transmission, the Central Government shall notify any Central Government Organization or any Central Public Sector Undertakings, as the Bid Process Coordinator (BPC) who would be responsible for coordinating the bid process.

c) The BPC shall prepare the bid documentations in accordance with the Guidelines and obtain approval of the Appropriate Commission or alternatively, the BPC can use the standard bid documents notified by the Ministry of Power. Approval of the Appropriate Commission would be necessary if any material deviation is proposed to be made in the Standard Bid Documents. Intimation about the initiation of the bid process shall be sent by the BPC to the Appropriate Commission.

d) For procurement of transmission charges under the Guidelines, the BPC may adopt at its option either a two-stage process featuring separate Request for Qualifications (RfQ) and Request for Proposal (RFP) or adopt a single stage two envelope tender process combining both RFQ and RFP processes.

e) RfQ or combined RfQ and RfP notice shall be issued in at least two national newspapers, on websites of the BPC and the appropriate Government and preferably in the trade magazines also to provide wide publicity. For the purpose of issue of RfQ, minimum conditions to be met by the bidder shall be specified in RfQ notice. The bidding shall be by way of International Competitive Bidding.

f) Standard documentations to be provided in the RFQ stage shall include definitions of requirements including the details of location and technical qualifications for each component of the transmission lines, construction milestones and financial requirements to be met by the bidders; proposed Transmission Service Agreement; period of validity of offer of bidder; conditions as specified by the Appropriate Commission for being eligible to obtain transmission licence and other technical and safety criteria to be met by the bidder/TSP including the provisions of Indian Electricity Grid Code (Grid Code).

g) Standard documentations to be provided by BPC in the RFP shall include specified target dates/months for commissioning and commercial operations and start of providing transmission services. TSA proposed to be entered with the selected bidder; bid evaluation methodology to be adopted by the BPC; Discount Factor to be used for evaluation of the bids; specification regarding the bid bond and project completion guarantee to be furnished by the bidders, proposed indemnification agreement between the TSP and the utilities, amount of contract performance guarantee as percentage of the project cost; and the

liquidated damages that would apply in the case of delay in start of providing the transmission services.

h) To ensure competitiveness, the minimum number of qualified bidders shall be two. The BPC shall constitute a committee for evaluation of the bids with at least one member from Central Electricity Authority (CEA) and the concerned Regional Power Committees. The member from CEA shall have expertise in the cost engineering of transmission projects. The bids shall be opened in public and the representative of the bidders shall be allowed to remain present. The technical bids shall be scored to ensure that only the bids that meet the minimum technical criteria set out in the RFQ shall be considered for further evaluation on the transmission charge bids. The transmission charge bid shall be rejected if it contains any deviation from the tender conditions for submission of the same. The bidder who has quoted the lowest transmission charge as per the evaluation procedure shall be considered for the award.

i) The Guidelines provide for suggested time tables for the bid process. The timeline suggested for a two stage bid process is 240 days and single stage two envelope bid process is 180 days. The BPC is empowered to give extended time-frame based on the prevailing circumstances and such alterations shall not be construed as the deviation from the Guidelines.

j) The selected bidder shall make an application for grant of transmission licence to the Appropriate Commission within ten days from the date of issue of LoI subject to further extension of time as provided under para 2.4 of the RFP.

The TSA shall be signed with the selected bidder in accordance with the terms and conditions as finalized in the bid document before the RFP stage.

k) The BPC shall make evaluation of the bid public by indicating the terms of the winning bid and anonymous comparison of all other bids. All contracts signed with the successful bidder shall also be made public. The final TSA along with the certification of BPC shall be forwarded to the Appropriate Commission for adoption of tariff in terms of Section 63 of the Act.

Therefore, we have to examine whether the process as per provisions of the Guidelines has been followed in the present case for arriving at the lowest levelised transmission charges and for selection of the successful bidder.

4. Ministry of Power, Government of India, vide its Gazette Notification No. 2599 dated 31.10.2016 notified the PFC Consulting Limited (hereinafter referred to as 'PFCC'L) as the Bid Process Coordinator (BPC) for the purpose of selection of bidder as Transmission Service Provider to establish Transmission system for "Additional 400 kV feed to Goa and Additional System for power evacuation from generation projects pooled at Raigarh (Tamnar) Pool" through tariff based competitive bidding process.

5. Tanmar Transmission Project Limited was incorporated on 16.1.2017 under the Companies Act, 2013 as a wholly owned subsidiary of PFCCL. The main objectives of the Petitioner Company in its Memorandum of Associations are as under:

> "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-station, load dispatch stations and communication facilities and appurtenant works, coordination of

integration operation of regional and national grid system, execution of turn-key jobs for other utilities/organizations, wheeling of power, purchase and sale of power in accordance with the policies, guidelines and objectives laid down by the Central Government from time to time".

6. BPC prepared the bidding documents such as RfQ and RfP in accordance with the Standard Bid Documents issued by the Ministry of Power, Government of India. The BPC started the process of selection of TSP with the publication of Global Invitation for Qualification for selection of developer on BOOM basis for the project. The notice for RfQ was published on 21.12.2016 in all the editions of Times of India, Business Standard (Hindi), Business Standard (English) and Financial Times (all editions, Worldwide) with the last date of submission of response to RfQ as 20.1.2017. Intimation regarding the initiation of the bid process was given to the Central Commission in accordance with para 4.2 of the Guidelines vide letter No. 03/ITP-24/16- 17/KMTL/RFQ dated 23.12.2016.

7. The key milestones in the bidding process were as under:

S.No.	Events	Date
1.	Publication of RFQ	21.11.2016
2.	Submission of Request for Qualification	1.2.2017
3.	Issuance of Request for Proposal	6.6.2017
4.	Technical and Price bid (on line) submission	19.9.2017
5.	Technical bid opening (on line)	19.9.2017
6.	Financial Bid opening (on line)	11.10.2017
7.	Issuance of Letter of Intent to successful bidder	30.11.2017
8.	Signing of Share Purchase Agreement and transfer of Special Purpose Vehicle	14.3.2018

8. The scope of the Project as per the Request for Proposal (RfP) and the Transmission Service Agreement is as under:

a) Additional 400 kV feed to Goa			
S.No.	**Name of the Transmission Element**	**Completion Target**	**Conductor per phase**
1.	LILO of one ckt. of Narendra (existing)-Narendra (New) 400 kV D/c quad line at Xeldem	44 months	Quad Moose ACSR The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C for ACSR.
2	Xeldem-Mapusa 400 kV D/c (quad) line	38 months	Quad Moose ACSR The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C for ACSR.
3.	Establishment of 2X500 MVA, 400/220 kV substation at Xeldem <u>400 kV</u> • ICTs: 2X500 MVA, 400/220 kV • ICT bays: 2 nos. • Line bays: 4 nos. [2 nos. for Xeldem – Mapusa 400 kV D/c (quad) line & 2 nos. for LILO of one ckt of Narendra (existing)-Narendra (New) 400 kV D/c quad line at Xeldem] • Bus Reactor: 1X125 MVAR • Bus Reactor Bay: 1 no. • Space for 2X500 MVA, 400/220 kV ICTs (future) • Space for ICT bays (future): 2 nos. • Space for Line bays along with Line reactors (future): 4 nos. • 1X63 MVAR switchable line reactor along with 500 Ohms NGR and its auxiliaries [for Narendra (existing)-Xeldem 400 kV line		

	formed after LILO of one ckt of Narendra (existing) –Narendra (New) 400 kV D/c quad line at Xeldem] • 1X80 MVAR switchable line reactor along with 500 Ohms NGR and its auxiliaries [for Narendra (New) – Xeldem 400 kV (quad) line formed after LILO of one ckt of Narendra (existing)-Narendra (New) 400 kV D/c quad line at Xeldem] <u>220 kV</u> • Inter-connection with Xeldem (existing) substation through 220 kV D/c line with HTLS conductor (ampacity equivalent to twin moose conductor) • ICT bays: 2 nos. • Line bays: 6 nos. (2 nos. for New Xeldem (400 kV)-Xeldem (GED) 220 kV D/c line, 2 nos. for New Xeldem (400 kV)-Verna (GED) 220 kV D/c line and 2 nos. for LILO of 2nd Circuit of Ambewadi-Ponda 220 kV D/C line at New Xeldem (400 kV) • Space for ICT bays (future): 2 nos. • Space for Line bays (future): 6 nos.		

Note:

1. Narendra (existing)-Narendra (New) 400 kV D/c (quad) line: 178 KM is without Line Reactor at both ends. After LILO of this line at Xeldem S/s (considering LILO length as 120 KM), the length of modified sections i.e. Narendra (existing)-Xeldem 400 kV (quad) line: 120 KM (approx.) and Narendra (New)-Xeldem 400 kV (quad) line: 298 KM

(approx.) Accordingly, POWERGRID to provide 1X80 MVAR, 420 kV fixed line reactor along with 500 Ohm NGR and its auxiliaries at its Narendra (New) S/s [for Narendra (new)-Xeldem 400 kV (quad) line].

2. POWERGRID to provide 2 nos. of 400 kV line bays at its Mapusa s/s for Xeldem Mapusa 400 kV D/c (quad) line.

3. GED to provide 2 nos. of 220 kV line bays of adequate rating required for the inter-connection at Xeldem existing sub-station.

b) Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool			
S.No.	**Name of the Transmission Element**	**Completion Target**	**Conductor per phase**
1.	Dharamjaygarh Pool Section B-Raigarh (Tamnar) Pool 765 kV D/c line	40 months	Hexa Zebra ACSR The transmission lines shall have to be designed for a maximum operating conductor temperature of 85 deg C for ACSR.

Note: POWERGRID to provide 2 nos of 765 kV line bays at Dharamjaygarh Pool Section B and Raigarh (Tamnar) Pool

9. The identified Long Term Transmission Customers (LTTCs) of the project are as under:

S.No	Name of the Long Term Transmission Customer
1.	Maharashtra State Electricity Distribution Company Limited
2.	Gujarat Urja Vikas Nigam Limited
3.	M. P. Power Management Company Limited
4.	Chhattisgarh State Power Distribution Company Limited
5.	Goa Electricity Department
6.	DNH Power Distribution Corporation Limited
7.	Electricity Department, Daman & Diu

10. As per the decision of the Empowered Committee on Transmission, the Bid Evaluation Committee (BEC) comprising of the following was constituted:

a) Smt. Kamlesh Sekhon, Sr. Vice President & Head, SBI Capital Markets, New Delhi-Chairman

b) Shri G. T. Munde, Director (Operation), MSETCL, Mumbai-Member

c) Shri Y. B. Jain, General Manager (Finance), CSPTCL, Chhattisgarh-Member

d) Shri S. K. Ray Mohapatra, Chief Engineer (PSETD), CEA, New Delhi-Member

e) Shri Awdhesh Kumar Yadav, Director (PSPA- I), CEA, New Delhi-Member

f) Shri P. C. Hembram, Chairman, Goa- Tamnar Transmission Project Limited, New Delhi-Convenor-Member

11. Responses to RfQ were received from the eight bidders as per details given below:

S.No.	Name of Bidders
1.	Power Grid Corporation of India Limited
2.	Sterlite Grid 5 Limited
3.	Adani Transmission Limited
4.	Essel Infraprojects Limited
5.	Kalpataru Power Transmission Limited
6.	Techno Electric & Engineering Company Limited
7.	Mytrah Energy (India) Pvt. Ltd
8.	L&T Infrastructure Development Projects Limited

12. The responses to the RfQ were opened 1.2.2017 in the presence of the representatives of the bidders. Bid Evaluation Committee (BEC) recommended the following seven bidders as qualified at RfP stage.

S.No.	Name of Bidders
1.	Power Grid Corporation of India Limited
2.	Sterlite Grid 5 Limited
3.	Adani Transmission Limited
4.	Essel Infraprojects Limited
5.	Kalpataru Power Transmission Limited
6.	Techno Electric & Engineering Company Limited
7.	L&T Infrastructure Development Projects Limited

13. Out of seven bidders, five bidders submitted their RfP (Non-Financial) Bids which were opened online through MSTC portal by the BEC. Hard Copies of the RfP (Non-Financial) along with the bid bond were also opened by the BEC on 19.9.2017. The RfP (Financial) Bids Initial Price Officer (IPO) of the five bidders was opened online

at MSTC portal on 11.10.2017 in the presence of BEC and the representative of the bidders. The lowest IPO discovered (Best Deal) at MSTC Portal was Rs. 1,834.05 million per annum which was communicated to the following four qualified bidders for participating in the e-reverse bidding process.

S.No.	Name of Bidders
1.	Power Grid Corporation of India Limited
2.	Sterlite Grid 5 Limited
3.	Techno Electric & Engineering Company Limited
4.	Adani Transmission Limited

14. The e-Reverse Auction was carried out on 12.10.2017 by the BEC. During the process of e-reverse bidding, PGCIL vide its email dated 12.10.2017 sought certain clarifications regarding MSTC server. After clarification, BEC in its meetings dated 27.11.2017 and 30.11.2017 decided to proceed with the evaluation of financial bids. As per the Bid Evaluation Report dated 27.11.2017 and 30.11.2017, M/s Sterlite Grid 5 Limited emerged as the successful bidder with the lowest levelized transmission charges of Rs. 1647.75 million per annum.

15. Letter of Intent (LoI) was issued by the BPC on 30.11.2017 to the successful bidder i.e. Sterlite Grid 5 Limited. In accordance with para 12.3 of the Guidelines, BPC has hosted on the website of PFCCL, the final result of the evaluation of the bids for selection of developer for the project.

16. In accordance with the provisions of the bid documents and LoI issued in its favour, the Petitioner has prayed for adoption of the transmission charges for the project which has been discovered through the process of competitive bidding.

17. In accordance with para 2.4 of RfP, the selected bidder shall within 10 days of issue of the Letter of Intent, accomplish the following tasks:

a) Provide Contract Performance Guarantee in favour of the LTTCs;

b) Execute the Share Purchase Agreement

c) Acquire, for the acquisition price, one hundred percent equity shareholdings of Goa Tamnar Transmission Limited along with all its related assets and liabilities;

d) Make an Application to the Central Electricity Regulatory Commission for adoption of charges under Section 63 of the Electricity Act, 2003

e) Apply to Central Electricity Regulatory Commission for grant of transmission licence.

18. The proviso to para 2.4 of the RfP further provides 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 10 days shall be extended, on a day to day basis till the end of the Bid validity period". Though LoI was issued on 30.11.2017, BPC, vide its letter dated 14.3.2018, in terms of clauses 2.4, 2.5 and 2.6 of RfP extended the date upto 24.3.2018 for completion of all activities by the successful bidder. The selected bidder furnished the Contract Performance Guarantee to the Long Term Transmission Customers of the project for an amount of Rs. 42.30 crore and has acquired hundred percent equity-holding in the applicant company on 14.3.2018 after execution of the Share Purchase Agreement. The TSP on behalf of the selected bidder filed the application for adoption of tariff on 19.3.2018.

19. On receipt of the present petition, BPC vide letter dated 4.4.2018 was directed to submit the relevant documents regarding complete process of competitive bidding. The necessary details have been filed by the BPC under affidavit dated 12.4.2018.

20. Notices were issued to all the respondents who are the Long Term Transmission Customers of the project. No reply has been filed by the respondents. Notice was also issued to PFC Consulting limited in its capacity as Bid Process Coordinator. BPC has filed the copies of all relevant documents pertaining to the bidding process.

21. The petition was heard on 22.5.2017. During the course of hearing, the representative of the Petitioner reiterated the submissions made in the petition and requested to adopt the transmission tariff for the transmission system.

22. Under the Guidelines, BPC has to certify that the tariff has been discovered through a transparent process of bidding and the tariff discovered is in line with prevailing market prices. Under the Guidelines, BPC has to certify that the tariff has been discovered through a transparent process of bidding and the tariff discovered is in line with prevailing market prices**.** The Bid Evaluation Committee vide para 14, 15, 16, 17 and 18 of the minutes of meetings held on 27.11.2017 and 30.11.2017 has recorded as under:

> "14. Based on the evaluation report of the e- Reverse bidding conducted on October, 12 2017 at 11:00 hrs which closed on October 12, 2017 at 16:52 hrs was concluded.
>
> 15. Based on the evaluation report of the final offer (levelised transmission Charges) of each Bidder as quoted at the time of closing e- reverse biding is as under:

S.No	Name of the Bidder	Levelised Transmission Charges (in Indian Rupees Million per annum)	Ranking of Bidders bases on Levelised Tariffs
1.	Sterlite Grid 5 limited	1647.75	L-1
2.	Power Grid Corporation of India Limited	1652.04	L-2
3.	Techno Electric and Engineering Company Limited	1931.40	L-3
4.	Adani Transmission Limited	2374.72	L-4

16. Accordingly, The lowest final offer (levelised Transmission Charges) of M/s Sterlite Grid 5 Limited is Rs. 1647.75 Million per annum was declared as successful bidder. The BPC, PFC Consulting Limited to issue the Letter of Intent (LOI) to Sterlite Grid 5 Limited (L-1 Bidder)."

17. The BEC further deliberated the following on financial evaluation:

i. The estimated cost of the project as communicated by CEA vide its letter dated 29.8.2017 is Rs 1531 crore.

ii. As per CERC tariff norms and cost provided by CEA, the Levelised Transmission charges worked out to be Rs 2245.70 million per annum which is 14.7% of the estimated project cost.

iii. The lowest Levelised Transmission charges discovered through the e- reverse bidding process is Rs 1,647.75 Million per annum.

iv. BEC observed that the Levelised Transmission charges discovered through the bidding process is Rs 1,647.75 Million per annum vis-a vis levelised tariff worked out as per CERC tariff Regulations of Rs 2245.70 million per annum which is 26.63% lower..

v. The rated quoted by the Successful Bidder M/s Sterlite Grid 5 Limited are in line with the prevalent market price."

18. The Bid Evaluation Committee also certifies and confirms that the Evaluation of the Responses to RFQ and RFP Bids has been carried out in accordance with the provisions of the Guidelines and the Standard Bid Documents (FRQ and RFP)."

23. Bid Evaluation Committee vide its certificate dated 30.11.2017 has certified as under:

> a. M/s Sterlite Grid 5 Limited has emerged as the successful bidder with the lowest levelised transmission charges of Rs. 1,647.75 Million per annum for the subject project after completion of e-reverse bidding at MSTC portal.
>
> b. The rates quoted by the successful bidder, M/s Sterlite Grid 5 Limited, are in line with the prevailing market prices.
>
> c. 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 as amended from time to time and the Standard Bid Documents (RfQ, RfP & TSA) notified by Ministry of Power, Govt. of India."

24. In the light of the discussions in the preceding paragraphs, it emerges that selection of the successful bidder and the process of arriving at the levelised tariff of the project through competitive bidding has been carried out by the Bid Process Coordinator through a transparent process in accordance with the Guidelines and Standard Bid Documents. The Bid Evaluation Committee has certified that the process is in conformity with the MOP Guidelines. The BPC in its certificate dated 30.11.2017 has certified that the rates quoted by the successful bidder are in line with the prevailing prices. The Commission is not required to go into the cost details of the bids as per the bidding guidelines and has to adopt the tariff if the same has been discovered in accordance with the Guidelines. Based on the certification of the BEC, we approve and adopt the levelised transmission charges for the project as per the Appendix to this order. The sharing of the transmission charges by the LTTCs shall be governed by the provisions of the Central Electricity Regulatory Commission (Sharing of inter-State Transmission Charges and Losses) Regulations, 2010 as amended from time to time.

25. A copy of this order shall be sent to CTU and Long Term Transmission Customers of the transmission system.

26. The Petition No 97/AT/2018 is disposed of in terms of the above.

Sd/-	sd/-	sd/-	sd/-
(Dr. M. K. Iyer)	**(A.S. Bakshi)**	**(A.K. Singhal)**	**(P. K. Pujari)**
Member	**Member**	**Member**	**Chairperson**

Appendix

Year (Term of License)	Commencement Date of Contract Year	End Date of Contract Year	Non- Escalable Transmission Charges (Rs. Millions)	Escalable Transmission Charges (Rs. Millions)
1	Scheduled COD 14.6.2021	31-Mar-22	1632.61	19.11
2	1-Apr-22	31-Mar-23	1632.61	Same as Above
3	1-Apr-23	31-Mar-24	1632.61	Same as Above
4	1-Apr-24	31-Mar-25	1632.61	Same as Above
5	1-Apr-25	31-Mar-26	1632.61	Same as Above
6	1-Apr-26	31-Mar-27	1632.61	Same as Above
7	1-Apr-27	31-Mar-28	1632.61	Same as Above
8	1-Apr-28	31-Mar-29	1632.61	Same as Above
9	1-Apr-29	31-Mar-30	1632.61	Same as Above
10	1-Apr-30	31-Mar-31	1632.61	Same as Above
11	1-Apr-31	31-Mar-32	1632.61	Same as Above
12	1-Apr-32	31-Mar-33	1632.61	Same as Above
13	1-Apr-33	31-Mar-34	1632.61	Same as Above
14	1-Apr-34	31-Mar-35	1632.61	Same as Above
15	1-Apr-35	31-Mar-36	1632.61	Same as Above
16	1-Apr-36	31-Mar-37	1632.61	Same as Above
17	1-Apr-37	31-Mar-38	1632.61	Same as Above
18	1-Apr-38	31-Mar-39	1632.61	Same as Above
19	1-Apr-39	31-Mar-40	1632.61	Same as Above
20	1-Apr-40	31-Mar-41	1632.61	Same as Above
21	1-Apr-41	31-Mar-42	1632.61	Same as Above
22	1-Apr-42	31-Mar-43	1632.61	Same as Above
23	1-Apr-43	31-Mar-44	1632.61	Same as Above
24	1-Apr-44	31-Mar-45	1632.61	Same as Above
25	1-Apr-45	31-Mar-46	1632.61	Same as Above
26	1-Apr-46	31-Mar-47	1632.61	Same as Above
27	1-Apr-47	31-Mar-48	1632.61	Same as Above
28	1-Apr-48	31-Mar-49	1632.61	Same as Above
29	1-Apr-49	31-Mar-50	1632.61	Same as Above
30	1-Apr-50	31-Mar-51	1632.61	Same as Above
31	1-Apr-51	31-Mar-52	1632.61	Same as Above
32	1-Apr-52	31-Mar-53	1632.61	Same as Above
33	1-Apr-53	31-Mar-54	1632.61	Same as Above
34	1-Apr-54	31-Mar-55	1632.61	Same as Above
35	1-Apr-55	31-Mar-56	1632.61	Same as Above
36	1-Apr-56	35th anniversary of the Schedule COD	1632.61	Same as Above

Annexure-2.3

Annexure-IX

Commercial data containing Monthly Transmission Charges of Inter-State/Intra-State Network elements as per Regulation 13(12) for the billing month of May,2025

1. Monthly Transmission Charges to be disbursed to inter-State transmission licensee as per Regulation 13(12)(a) & 13(12)(b):

Sl. No.	Name of Inter-State Tranmission Licensee	Voltage Level	Name of Inter-State Network element	Type of Network element	MTC (Rs.)	COD	Details of the CERC Order
1	**Kallam Transmission Limited**	400kV	LILO of both circuits of Parli (PG) - Pune (GIS) 400kV D/C Line at Kallam PS	Line	14441753	Deemed COD on 14.02.2024	CERC order dated 01.06.2022 in Petition No. 31/AT/2022
		400kV	1x125MVAr bus reactor at Kallam PS 400 kV Reactor bay -1	Bus Reactor			
		400kV	Provision of new 50MVAr switchable line reactor with 400 ohms NGR at Kallam PS end of Kallam-Pune (GIS) 400kV D/c line. 2x50 MVAr, 400 kV Reactor bay - 2	Line Reactor			
		400/220kV	Establishment of 2X500 MVA, 400/220kV substation near Kallam PS				
		400kV	Xeldem-Mapusa 400kV D/c (Quad) line	Line			

Sl. No.	Name of Inter-State Tranmission Licensee	Voltage Level	Name of Inter-State Network element	Type of Network element	MTC (Rs.)	COD	Details of the CERC Order
2	**Goa Tamnar Transmission Projects Limited**	400/220kV	Establishment of 2x500MVA, 400/220kV substation at Xeldem 400kV • ICTs: 2x500MVA, 400/220kV • ICT bays: 2 nos. • Line bays: 4 nos. (2 nos. for Xeldem-Mapusa 400kV D/c (Quad) line & 2 nos. for LILO of one ckt. of Narendra (New) 400kV D/c quad line at Xeldem) • Bus Reactor : 1x125MVAR • Bus Reactor Bay: 1 no •Space for 2x500MVA, 400/220kV ICTs (Future) •Space for ICT bays (future) : 2 nos. •Space for Line bays along with line reactors (future): 4 nos. • 1x63MVAR switchable line reactor along with 500 ohms NGR and its auxiliaries (for Narendra (existing) -Xeldem 400kV line formed after LILO of one ckt. of Narendra (existing) -Narendra (New) 400kV D/c quad line at Xeldem) • 1x80MVAR switchable line reactor along with 500 ohms NGR and its auxiliaries (for Narendra (New) -Xeldem 400kV (quad) line formed after LILO of one ckt. of Narendra (existing) -Narendra (New) 400kV D/c quad line at Xeldem) 220kV •Inter-connection with Xeldem (existing) substation through 220kV D/c line with HTLS conductor (ampacity equivalent to twin moose conductor) •ICT bays: 2 nos. •Line bays: 6 nos. (2 Nos. for New Xeldem (400 kV)-Xeldem (GED) 220kV D/c line, 2 nos. for New Xeldem (400 kV)-Verna (GED) 220kV D/c line and 2 nos. for LILO of 2nd circuit of Ambewadi-Ponda 220Kv D/c line at New Xeldem (400 kV) •Space for ICT bays (future) : 2nos. •Space for Line bays (future) : 6 nos.	Substation	13369477	Deemed COD on 19.11.2024	CERC order dated 13.07.2018 in Petition No. 97/AT/2018

Sl. No.	Name of Inter-State Tranmission Licensee	Voltage Level	Name of Inter-State Network element	Type of Network element	MTC (Rs.)	COD	Details of the CERC Order
3	**Nangalbibra Bongaigaon Transmission Limited**	220/132kV	Establishment of new 220/132kV, 2x160MVA substation at Nangalbibra i. 220/132kV, 160 MVA ICT - 2 No. ii. 220kV ICT bays - 2 No. iii. 132kV ICT bays - 2 No. iv. 220kV Line bays: 2 No. [for termination of Bongaigaon (POWERGRID) - Nangalbibra 400kV D/c line (initially operated at 220kV) -under this scheme] v. 132 kV Line bays: 2 No. [for termination of Nangalbibra -existing Nangalbibra (MePTCL) 132kV D/c (Single Moose) line of MePTCL] vi. Bus reactor 245kV, 31.5MVAr - 2 No. vii. 220kV Bus reactor bays - 2 No. Additional space for future expansion: •220/132kV, 200MVA ICT – 1 No. (along with associated bays at both levels) •400/220kV, 500MVA ICT -3 No. (along with associated bays at both levels) Space for 400kV upgradation: -Line bays along with space for switchable line reactor : 8 No. [2 No. for 400kV operation of Bongaigaon (Powergrid)-Nangalbibra 400kV D/c line (initially operated at 220kV) and 6 No. for other lines] -Bus reactor 420kV, 125MVAr- 3 No. -400kV Bus reactor bays- 3 No. Space for future 220kV line bays: 6 No. [2 no. for termination of Mawngap (Meghalaya)-Nangalbibra 220kV D/c line of MePTCL and 4 No. for future lines] Space for future 132kV line bays: 6 No. (for future lines)	Substation	23458012	Deemed COD on 26.11.2024	CERC order dated 27.05.2022 in Petition No. 24/AT/2022

Sl. No.	Name of Inter-State Tranmission Licensee	Voltage Level	Name of Inter-State Network element	Type of Network element	MTC (Rs.)	COD	Details of the CERC Order
		400kV	Extension at Boingaigaon (Powergrid) S/s: 2 No. of line bays for termination of Bongaigaon (Powergird)-Nangalbibra 400kV D/c line (initiated operated at 220kV)	Line bays			
		400kV	Boingaigaon (Powergrid)-Nangalbibra 400kV D/c line (initially operated at 220kV)	Line			
			Total		**51269242**		

ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]

आज़ादी का अमृत महोत्सव

केन्द्रीय कार्यालय : 61, आई एफ सी आई टावर, 8वां और 9वां तल, नेहरु प्लेस, नई दिल्ली -110019
Corporate Office : 61, IFCI Tower, 8th & 9th Floor, Nehru Place, New Delhi - 110019
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 40234672

संदर्भ संख्या:एनएलडीसी/2025/ दिनाँक: 13th June 2025

सेवा मे,
As per distribution list.

Subject: Consent for participation in Tertiary Reserve Ancillary Services (TRAS) under shortfall provisions

Ref: (i) Record of Proceedings of CERC hearing dated 5.6.2025 in Diary no. 292/2025
(ii) CERC (Ancillary Services), Regulations, 2022
(iii) CERC order in petition no. 7/SM/2023 dated 31.5.2023

Dear Sir/Madam,

This is with reference to the directions issued by the Hon'ble CERC under the RoP referenced at (i) above. In line with the Hon'ble Commission's directions, you are requested to provide your consent for participation in TRAS under shortfall conditions in the format enclosed herewith.

In line with Ancillary Services Regulations and CERC Order in 7/SM/2023, participating stations are required to declare their energy charges/compensation charge upfront on monthly basis, by 12th of each month, which shall be used for TRAS despatch under shortfall conditions from the 16th of the current month to the 15th of the next month. This declaration shall be submitted as per Format TRAS-I provided in detailed procedure for TRAS through NOAR. In case of non-submission of energy/compensation charges through NOAR to the respective RLDC/NLDC, the last submitted rate shall be considered for despatch under TRAS shortfall.

Generating stations despatched under TRAS-Up under shortfall conditions shall be paid at the rate of 110% of their energy charges/compensation charges/reference rates corresponding to the quantum of TRAS-Up despatched and if despatched for TRAS-Down, shall pay back at the rate of 90% of their energy charges/compensation charges/reference rates, as applicable corresponding to the quantum of TRAS-Down despatched.

The power stations not providing consent for despatch under TRAS Shortfall category shall be considered for TRAS despatch under emergency conditions depending on grid requirement. For despatch under TRAS-Emergency, generating stations are requested to submit their energy charges/compensation charges/reference rates, as applicable and other details as per Format TRAS-I provided in detailed procedure for TRAS through NOAR. In case these details are not submitted, the reference charge rates used for preparation of last available DSM accounts by concerned RPCs, as on 12th of this month, shall be used for TRAS despatch under emergency conditions. These rates shall be applicable till further directions from the Hon'ble Commission under the said petition or declaration of energy charges/compensation charges/reference rates by the power station, whichever is earlier. Details of applicable energy charges/compensation charges/reference rates considered for despatch under TRAS and preparation of statements of ancillary services by RPCs, shall be published on Grid-India website.

पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

It is requested that consent for participation in TRAS under shortfall conditions along with declaration of applicable energy charges/compensation charges/reference rates for TRAS under shortfall/emergency conditions may be communicated by 14th June 2025 to NLDC with copy to the concerned RLDC.

Thanking You,

Yours Sincerely,

(S Usha)

Executive Director, NLDC

Encl: As above

Copy to:

1. Secretary, CERC
2. Member Secretary NRPC/WRPC/SRPC/ERPC/NERPC
3. CMD, Grid-India
4. Director (SO), Grid-India
5. Executive Director NRLDC/WRLDC/SRLDC/ERLDC/NERLDC

Distribution list:

WR

1. ACB India Ltd., 2*135 MW Kasaipali Power Project, Kasaipali, P.O.- Jawali, Tehsil- Katghora, Korba – Chhattisgarh-495445.

2. Adani Corporate House, Shantigram, S G Highway, Ahmedabad 382421 Gujarat.

3. Bharat Aluminium Co. ltd (BALCO), P.O. Balco Nagar, Distt. Korba -495684 Chhattisgarh.

4. M/s D B Power Ltd., 3rd floor, Naman Corporate Link, C-31, G-block, BKC Bandra East Mumbai-400051.

5. Dhariwal Infrastruture Ltd, C-6, Tadali Growth centre, MIDC Tadali, Dist Chandrapur, Maharashtra-442406.

6. GMR Warora Energy ltd. B1, MIDC, Growth centre, Warora-post Chandrapur- dist, Mahrashtra-442907.

7. Jhabua Power ltd, Vill. Berela, post Attariya, Tehsil Ghansore, Dist-Seoni-480997 (MP).

8. Jaypee Nigrie Super Thermal Power Project (A Unit of Jaiprakash Power Ventures Limited) Vill-Nigrie, Tehsil- Sarai Distt. - Singrauli, MP-486669.

9. Jindal power limited, O.P Jindal Super Thermal Power Plant, Village PO: TAMNAR Tehsil Gharghoda, Dist : Raigarh (Chhattisgarh) 496107.

10. KSK Mahanadi Power Co. Ltd., 8-2-293/82/A/A431/A, Road no 22, Jubilee Hills, Hyderabad-500033.

11. MB Power Limited, Hotel Govindam, Kotma Road, Anuppur, MP-484224.

12. RKM Powergen Pvt Ltd, Village Uchpinda, PO Dhurkot, Via Chandrapur, Tehsil- Dabra, Janigir-Champa Dist, Chhattisgarh-495692.

13. SKS Power Generation Ltd; 501B Elegant Business Park, Andheri Kurla Road, J.B. Nagar, Mumbai – 400059.

14. TRN Energy Ltd; L8, Vasant Enclave, Rao Tula Ram Marg, New Delhi – 110057.

15. Sasan Power Limited; Reliance Centre, Near Prabhatt Colony, Off Western Express Highway, Santacruz (E), Mumbai – 400055.

16. The Tata Power Company Limited, Mundra Thermal Power Station - Ultra Mega Power Plant, formerly a Unit of Coastal Gujarat Power Limited ,Tunda- Vandh Road, Tunda Village, Mundra, Kutch 370 435, Gujarat.

17. Korba Power Limited (Formerly Known as Lanco Amarkantak Power Limited) Flat No. 5A, 5th Floor, D No. 6-3-626/1/601, Parameswara Apartment, Anandnagar, Hyderabad, Khairatabad, Telangana – 500004.

ER

1. General Manager (Operation), Adhunik Power & Natural Resources Ltd., Lansdowne Towers, Sarat Bose Road Kolkata-700020

2. Associate Vice President GMR Kamalanga Energy Ltd., 29 Satyanagar, Bhubaneswar-751007

3. Head, JIPL, Plot no.2, Pocket C, 2nd Floor, Nelson Mandela Road, Vasant Kunj, New Delhi-110070, India

4. Director, JSW Energy (Utkal) Ltd. Village-Sahajbahal, P.O- Charpali Dist.-Jharsuguda – 768211 (Odisha)

SR

1. JPL-Simhapuri Plant Head, Simhapuri Energy Limited, Chillakur Mandal, Nellore District, Thamminapatnam Andhra Pradesh-524412

2. Head-Power Sales Operations, SEIL Energy India, BUILDING 7A, Level 5, DLF Cyber city, Gurugram, Pin:122002

3. Head-Power Sales Operations, SEIL Energy India Limited Project-2, BUILDING 7A, Level 5, DLF Cyber city, Gurugram, Pin:122002

4. Head Regulatory Affairs, Meenakshi Energy Ltd, Chillakur Mandal, near Gudur SPSR, Thamminapatnam, Andhra Pradesh 524412

5. Managing Director, IL&FS Tamil Nadu Power Company Limited, 4th Floor, KPR Tower, old no 21, New no 2, 1st street, Subba Rao Avenue College Road, Chennai-600006

6. Plant Head, Coastal Energen Private Limited, 5th Floor, Bhuhari Tower, Moores Rd, Chennai, Tamil Nadu 600006

NR

1. Company Secretary Shree Cement Thermal Power Project, Bangurnagar, Beawar, Dist - Ajmer, Rajasthan -305901.

Annex-I

Letter of Consent for Participating Under TRAS-Shortfall Category

To,

Grid Controller of India Limited (GRID – INDIA)/National Load Despatch Centre NLDC)/

_____Regional Load Despatch Centre (_RLDC)

Sub: Consent for Participation under TRAS – Shortfall Category

This is with reference to the directions as per the Record of Proceedings dated 05.06.2025 in Diary No. 292/2025 issued by the Hon'ble Central Electricity Regulatory Commission (CERC).

1. I/We on behalf of _____ (Name of AS Provider) hereby give consent to participate under the Tertiary Reserve Ancillary Services (TRAS) – Shortfall Category. I agree to be paid at the rate of 110% of compensation charge herewith for TRAS-Up and agree to pay back 90% of the compensation charge declared herewith for TRAS-Down.

2. The duly filled Format TRAS – I: Technical and Commercial Parameters of TRAS Providers, as per Detailed Procedure for TRAS, is enclosed and the same have been updated in National Open Access Registry (NOAR).

3. I/We undertake to declare the applicable rate on the NOAR platform in accordance with the timelines specified under the Detailed Procedure for TRAS. In case of non-submission of energy/compensation charge rates through NOAR to the respective RLDC/NLDC, the last submitted rate(s) shall be considered for preparation of TRAS shortfall accounts by the Regional Power Committees (RPCs).

4. I/We hereby indemnify Grid Controller of India Limited (GRID – INDIA)/National Load Despatch Centre (NLDC)/Regional Load Despatch Centre (RLDC)/Regional Power Committee(RPCs) against any liability/ claims whatsoever arising out of this declaration and my/our participation in Tertiary Reserve Ancillary Services.

Signature of the Authorized Signatory with seal

Date:

Place:

Format TRAS – I: Technical and Commercial Parameters of TRAS Providers

(to be provided in NOAR Interface)

Hydro Generator Details for Participation in Tertiary Reserve Ancillary Service Provider (TRAS) **From**: (Name of TRAS Provider Generating Station) / (Name of Owner Organization) **To**: Nodal Agency (NLDC) Validity of the Information From: xx/mm/yyyy To: xx/mm/yyyy Date: dd/mm/yyyy		
(Name of Hydro Electric Plant, Installed Capacity and Owner Organization)		
S.No.	**Title/Parameters**	**Values/Data/ Information**
1	Number of Generating Units (e.g. 1 x 100 MW + 2 x 250 MW)	
2	Auxiliary consumption (%)	
3	Type of Plant (RoR, Pondage or Reservoir)	
4	Installed Capacity of Unit (MW) - P	
5	Start time for each unit (Standstill to Synchronization of unit to grid) (in minutes)	
6	Which value (Cumecs/MW) is used for declaring MWh capability?	
7	Minimum load at which unit can stably run after synchronization - Unitwise (P1) (in MW)	
8	Forbidden zones or high cavitation zones - Unitwise (From MW to MW) - P2 to P3	
9	Maximum loading possible on unit (continuous) (P4)	
10	Unit-wise Cumecs/MW for P, P1,P2,P3 and P4 generation level as well as cumecs from standstill to synchronization.	
11	Maximum possible Ex-bus injection (MW) (including overload if any)	
12	Fixed Cost (paise / kWh upto one decimal place)	
13	Variable Cost (paise / kWh upto one decimal place)	
14	Ramp-Up Rate (MW/Min) for each unit	
15	Ramp-Down Rate (MW/Min) for each unit	
16	Requirement of Tandem Operation of the Plant (If Yes, with which plant and details and its Ratio)	
17	Present Governor Droop Setting (Unit-wise)	

18	Considering all the constraints, how much further droop setting can be improved and range thereof	
19	Blackstart Facility availability (Yes/No)	
20	Any Other Information including the constraints (Time-specific, Location-Specific, Event Specific, Unit-Specific, etc.)	

Thermal (Coal/Lignite/Gas) Generator Details for Participation in Tertiary Reserve Ancillary Service Provider (TRAS)		
From: (Name of TRAS Provider Generating Station) / (Name of Owner Organization)		
To: Nodal Agency (NLDC)		
Validity of the Information **From:** xx/mm/yyyy **To**: xx/mm/yyyy		
Date: dd/mm/yyyy		
S.No.	**Title/Parameters**	**Values/Data**
1	Number of Generating Units (e.g. 1 x 210 MW + 2 x 500 MW)	
2	Total Installed Capacity (MW)	
3	Auxiliary consumption (%)	
4	Maximum possible Ex-bus injection (MW) (including overload if any)	
5	Technical Minimum (MW)	
6	Type of Fuel	
7	Region	
8	Bid area	
9	Fixed Cost (paise / kWh upto one decimal place)	
10	Variable Cost (paise / kWh upto one decimal place)	
11	Ramp-Up Rate (MW/Min) for each unit	
12	Ramp-Down Rate (MW/Min) for each unit	
13	Start-up Time from Cold Start (in Min) & Warm Start of each unit	
14	Any other information	

ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
राष्ट्रीय भार प्रेषण केन्द्र / National Load Despatch Centre

आज़ादी का अमृत महोत्सव

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Office : 1st and 2nd Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 42785855

संदर्भ संख्या:एनएलडीसी/2025/

दिनाँक: 19th June 2025

सेवा मे,
As per distribution list.

Subject: Consent for compensation charge for Tertiary Reserve Ancillary Services (TRAS) under emergency conditions from RE plants

Ref: (i) CERC (Ancillary Services), Regulations, 2022
(ii) Record of Proceedings of CERC hearing dated 5.6.2025 in Diary no. 292/2025

Dear Sir/Madam,

Clause 20(6) of CERC (Ancillary Services) Regulations, 2022 empowers NLDC to require any generating station to provide ancillary services under emergency conditions. Generating stations providing ancillary services are to be paid at the rate of their energy charge rate/compensation charge for the quantum of AS-Up dispatched and need to pay back at the same rate for the quantum of AS-Down dispatched.

To address the high frequency conditions observed in the grid on a number of days, coupled with low availability of reserves, NLDC has despatched Tertiary Reserve Ancillary Services (TRAS) – Down to a number of generating stations, including renewable generating stations. Settlement of TRAS-Down dispatched to renewable generating stations under emergency conditions presents a challenge as TRAS-Down providers need to pay back at their ECR/compensation charge, while wind and solar are resources with zero marginal cost.

Accordingly, Grid-India has approached the Hon'ble CERC seeking directions for, inter alia, considering compensation charge as zero for RE plants under TRAS emergency provision. This is with reference to the directions issued by the Hon'ble CERC under the above mentioned RoP. As per directions of the Hon'ble Commission under para 2(d) of the RoP in the matter referenced at (ii) above, the Hon'ble Commission affirmed the applicability of emergency provisions to all generating stations and has empowered Grid-India to take action on the proposal for consideration of compensation charge as zero for RE generating stations for TRAS despatched under emergency conditions, subject to the consent of participating entities.

Accordingly, it is requested to convey your consent in the format enclosed at Annex-1 for consideration of the compensation charge as zero for the despatch and settlement for TRAS under emergency conditions as per the CERC (Ancillary Services) Regulations, 2022. This consent shall remain valid until the next date of hearing in the matter by the Hon'ble Commission. Considering compensation charge as zero would ensure that RE plants would have to return money at zero rate to the Deviation and Ancillary Services Pool Account for the quantum of TRAS-Down dispatched under emergency conditions. As the original schedules to beneficiaries remain unaltered, RE plants would continue to bill and receive energy charges as per the original schedule. It may be noted that generating stations may be considered for TRAS despatch under emergency conditions, irrespective of this consent, in line with the provisions under Regulation 20(6) of CERC (Ancillary Services) Regulations, 2022.

It is requested that the consent in the enclosed format (Annex-1) may be communicated by 20th June 2025 to NLDC (addressed to the email ID: ancillary@grid-india.in) with a copy to the concerned RLDCs.

Yours sincerely,

(S. Usha)
Executive Director, NLDC

Enclosed: As above

Copy to:

1. Secretary, CERC
2. Member Secretary NRPC/WRPC/SRPC/ERPC/NERPC
3. CMD, Grid-India
4. Director (SO), Grid-India
5. Executive Director NRLDC/WRLDC/SRLDC/ERLDC/NERLDC

Distribution List

RE stations in NR Region

Pooling Station: Bhadla

1. M/s Azure Power Forty-One Private Limited
2. Azure Power Maple Pvt Ltd
3. Clean Solar Power (Bhadla) Pvt Ltd
4. Clean Solar Power (Jodhpur) Private Limited
5. ACME Chittorgarh Solar Energy Pvt Ltd
6. SB Energy Six Private Limited
7. Mega Soils Renewable Private Limited
8. Tata Power Renewable Energy Ltd

Pooling Station: Bhadla-2

9. Avaada Sunrays Energy Private Ltd
10. Kolayat Solar Power Plant NTPC Limited
11. Mega Suryaurja Pvt Ltd
12. Nokhra Solar Power NTPC
13. ABC RENEWABLE ENERGY
14. ACME Heergarh Powertech Private Limited
15. Adani Green Energy Twenty-Five Limited

Pooling Station: Bikaner

16. Azure Power Forty-Three Private Limited
17. Ayana Renewable Power One Private Limited, Bikaner
18. Renew Solar Power Pvt Ltd. Bikaner
19. Thar Surya 1Private limited
20. Ayana Renewable Three Pvt Ltd
21. Avaada Sunce Energy Private Limited, Bikaner
22. Avaada Sustainable RJProject Pvt Ltd
23. ReNew Surya Ravi Pvt Ltd

Pooling Station: Bikaner-2

24. SJVN GREEN ENERGY LIMITED
25. Banderwala Solar Plant Ltd

Pooling Station: Fatehgarh-1

26. ACME Phalodi Solar Energy Private Limited (APSEPL)
27. ACME Raisar Solar Energy Private Limited (ARSEPL)
28. Fatehgarh Solar PV Project
29. Adani Hybrid Energy Jaisalmer Four Limited Solar
30. ACME Dhaulpur Powertech Private Limited (ADPPL)
31. ACME Deoghar Solar Power Private Limited (ADSPPL)

Pooling Station: Fatehgarh-2

32. Eden Renewable Cite Private Limited
33. Adani Hybrid Energy Jaisalmer One Limited Solar

34. Adani Hybrid Energy Jaisalmer Three Limited Solar
35. Adani Green Energy Twenty-Four Limited
36. Adani Jaisalmer One SEPL Solar
37. Renew Sun Waves Private Limited
38. Adani Hybrid Energy Jaisalmer Two Limited Solar
39. ReNew Sun Bright Private Limited (RSBPL)
40. Renew Solar Energy (Jharkhand Three) Pvt Ltd
41. Renew Solar Urja Pvt Limited

Pooling Station: Fatehgarh-3

42. Altra Xergi Power Private Limited
43. Renew Surya Aayan Private Limited
44. Renew Surya Roshni Pvt Ltd

RE stations in WR Region

Pooling Station: Khavda

45. Adani Green Energy Twenty-Four A Limited_PSS-3
46. Adani Green Energy Twenty-Five A Limited_PSS-2
47. Adani Green Energy Twenty-Five B Limited_PSS-2
48. ADANI RENEWABLE ENERGY FIFTY-SEVEN LIMITED_PSS13
49. ADANI RENEWABLE ENERGY HOLDING FOUR LIMITED_PSS-1

Pooling Station: Khandwa

50. Masaya Solar Energy Private Limited

Pooling Station: Rewa

51. Arinsun Clean Energy Private Ltd
52. Athena Jaipur Solar Power Pvt. Ltd.
53. Mahindra Renewables Pvt Ltd.

Pooling Station: Pachora

54. BEEMPOW ENERGY PRIVATE LIMITED

RE stations in SR Region

Pooling Station: NP Kunta

55. Adani Solar Energy AP Seven Pvt Ltd
56. AYANA ANATHAPURAM SOLAR PRIVATE LIMITED
57. AYANA RENEWABLE POWER SIX PRIVATE LIMITED
58. SPRNG AGNITRA PRIVATE LIMITED

Pooling Station: Pavagada

59. ADYAH SOLAR ENERGY PRIVATE LIMITED
60. FortumSolarIndia PrivateLimited
61. PVG_Tata Power Renewable Energy Limited

Pooling Station: Kurnool

62. AM GREEN ENERGY PRIVATE LIMITED_SOLAR

Annex-I

Letter of Consent for Compensation Charge under TRAS-Emergency

To,

Grid Controller of India Limited (GRID – INDIA)/National Load Despatch Centre NLDC)/

_____Regional Load Despatch Centre (_RLDC)

Sub: Consent for considering zero compensation charge under TRAS-Emergency

This is with reference to the directions as per the Record of Proceedings dated 05.06.2025 in Diary No. 292/2025 issued by the Hon'ble Central Electricity Regulatory Commission (CERC).

1. I/We on behalf of _____ (Name of RE generating station) hereby give consent for considering my/our compensation charge as zero for despatch and settlement of instructions under Tertiary Reserve Ancillary Services (TRAS) – Emergency Category.

2. I/We undertake to follow the TRAS instructions issued by NLDC/RLDC through Web-based energy scheduling software or communicated through other means, as updated from time to time.

3. I/We hereby indemnify Grid Controller of India Limited (GRID – INDIA)/National Load Despatch Centre (NLDC)/Regional Load Despatch Centre (RLDC)/Regional Power Committee(RPCs) against any liability/ claims whatsoever arising out of my/our participation in Tertiary Reserve Ancillary Services.

Signature of the Authorized Signatory with seal

Date:

Place:

CENTRAL ELECTRICITY REGULATORY COMMISSION
NEW DELHI

Diary No. 292/2025

Subject	:	Petition under Section 79 and 178 of the Electricity Act, 2003 read with the CERC (Indian Electricity Grid Code) Regulations 2023, the CERC (Ancillary Services) Regulations, 2022, the CERC (Deviation Settlement Mechanism and Related Matters) Regulations, 2024, and Commission's Suo-Motu Orders in 7/SM/2023 and 2/SM/2025 to secure reliable grid operation.
Petitioner	:	GRID Controller of India Limited (GCIL)
Respondents	:	Mytrah Energy (India) Private Limited (MEIPL) & Ors.
Date of Hearing	:	**5.6.2025**
Coram	:	Shri Ramesh Babu V., Member Shri Harish Dudani, Member Shri Ravinder Singh Dhillon, Member
Parties Present	:	Shri Subhendu Mukherjee, GCIL

Record of Proceedings

The representative of the Petitioner submitted that the present Petition has been filed for seeking appropriate directions and/or amendments to the Central Electricity Regulatory Commission (Ancillary Services) Regulations, 2022 ("the AS Regulations"), the Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 ("the DSM Regulations") and the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2023 ("the IEGC") to implement the measures indicated in the Petition. The representative of the Petitioner further submitted as under:

(i) In the recent past, the grid frequency has been remaining persistently, for around 4-5 hours, above the upper limit of 50.5 Hz, particularly during low demand periods (e.g., weekends and holidays), which jeopardizes the stability and security of the national grid.

(ii) To manage such imbalances and secure reliable grid operation, NLDC resorts to backing down generation, requisitioning Ancillary Services, and altering the generation schedules. However, despite these measures, frequency excursions continue and TRAS Down reserves are getting exhausted prematurely, revealing systemic weaknesses in current regulatory and market frameworks.

(iii) Due to low liquidity in the Ancillary Services market, the Tertiary Reserve Ancillary Services (TRAS) DOWN quantum procured from the TRAS DAM and TRAS RTM recently was up to 2400 MW. Further, due to scarcity of reserves in the TRAS shortfall category, NLDC has no option but to trigger TRAS under emergency provisions.

(iv) In the above circumstances, the Petitioner is also pressing for interim direction for the mandatory participation of IPPs as well as Section 63 Projects under TRAS-Shortfall category. Further, to incentivize such generating stations, other than RE plants participating in the TRAS Emergency mechanism, whose URS is despatched for TRAS-Up, may be paid on the lines of Section 62 projects, at the rate of 110% of their energy charges/compensation charges/reference rates, as applicable for the quantum of TRAS-Up despatched and if despatched for TRAS-Down, may pay back at the rate of 90% of their energy charges/compensation charges/reference rates, as applicable corresponding to the quantum of TRAS-Down despatched.

(v) Emergency could be kept purely for RE plants. For RE plants, considering zero marginal cost, the compensation charge may be considered as Zero for despatch and settlement purpose, under TRAS Emergency provision.

(vi) In addition, the Petitioner also submitted proposal for the amendment in Regulations in relation to (i) Minimum Requisition Obligation, (ii) Unit Shut-Down for grid requirement, and (iii) DSM revision.

2. After hearing the representative of the Petitioner, the Commission directed as under:

(a) Issue notice subject to just exceptions to the Respondents.

(b) The Respondents to file their respective replies, if any, within three weeks with a copy to the Petitioner, who may file its rejoinder, if any, within two weeks thereafter.

(c) As regards the Petitioner's request for an interim direction, the Commission directed that Grid India may take actions in the interest of Grid security as proposed above in para 2(iv), subject to the consent of the participating entities, till the next date of hearing.

(d) Regarding the proposal in para 2(v), the Commission noted that the emergency provisions are applicable to all generating stations. As regards the proposal for a compensation charge for RE under emergency conditions, Grid-India may take action as proposed, subject to the consent of the participating entities, till the next date of hearing.

3. In the meantime, the staff is directed to examine the issue and initiate necessary regulatory changes.

4. The matter will be listed for the hearing on **23.8.2025**.

By order of the Commission
Sd/-
(T.D. Pant)
Joint Chief (Law)

Inter-state Thermal IPPs who are yet to submit TRAS-I Format (Compensations charges)		
S.No.	**TRAS Provider Name**	**WBES Acronym**
1	ACB (India) Ltd.	ACBIL
2	BALCO_CTU	BALCO
3	TRN Energy Pvt. Ltd.	TRN_ENERGY
4	TPCL Mundra Thermal Power Station	TPCL_Mundra

Inter-state Thermal IPPs who are yet to submit consent for TRAS Shortfall		
S.No.	**TRAS Provider Name**	**WBES Acronym**
1	DB Power	DBPL
2	GMR Warora Energy Ltd.	GMR_WARORA
3	Jindal Power Ltd. Stage-1	JPL
4	Jindal Power Ltd. Stage-2	JPL2
5	JPNIGRIE (JNSTPP)	JPNIGRIE_JNSTPP
6	Jindal Steel & power Ltd. (Dangamahua CPP)	JSPL_DCPP
7	Moser Baer Power (MB Power) MP Limited	MBMP
8	Maruti Clean Coal Pvt. Ltd.	MCCPL
9	RKM_POWER	RKM_POWER

Inter-state REGS who are yet to submit consent for TRAS Emergency		
S.No.	**TRAS Provider Name**	**WBES Acronym**
1	Alfanar Energy Private Limited SECI-III	AlfanarWind_SECI_III
2	Apraava Energy Private Limited (AEPL)	APRAAVA_KHKRDA_JAM_W
3	Arinsun Clean Energy Private Ltd	Arinsun_RUMS
4	Avikiran Solar India Private Ltd.	ASIPL_BARANDA
5	Athena Jaipur Solar Power Pvt. Ltd.	Athena_RUMS
6	AVAADA SUNSHINE ENERGY PRIVATE LIMITED	AVAADA_AGAR_RUMS_S
7	BEEMPOW ENERGY PRIVATE LIMITED	BEEMPOW_AGAR_RUMS_S
8	Continuum Power Trading (TN) Private Limited	CPTTNPL
9	ELECTRO SOLAIRE PVT. LTD.	ESPL_RSP
10	NTPC Gandhar Solar	GANDHAR_SOLAR
11	Gujarat Industries Power Company Limited KhavdaPS2 PSS-1	GIPCL_PSS1_KPS2_S
12	GUJARAT INDUSTRIES POWER COMPANY LTD	GIPCL_RSP
13	Green Infra Wind Energy Limited SECI-II Vadva	GIWEL_SECI_II_RE
14	Green Infra Wind Energy Limited SECI-III Roha Naranpar	GIWEL_SECI_III_RE
15	Gujarat State Electricity Corporation Limited phase-2	GSECL_ph2_RSP_S
16	Gujarat State Electricity Corporation Limited	GSECL_RSP
17	NTPC Kawas Solar	KAWAS_SOLAR
18	Mahindra Renewables Pvt Ltd.	Mahindra_RUMS
19	Masaya Solar Energy Private Limited	MASAYA_BWSPRA_KNDW_S
20	Netra Wind Private Limited	NETRA_KOTDA_BHUJ_W
21	NTPC RENEWABLE ENERGY LIMITED	NTPC_REL_DYPR_BHUJ_W

22	NTPC REL Shahjapur RUMS MP	NTPC_REL_SJPR_RUMS_S
23	NTPC REL Shahjapur RUMS MP unit-1	NTPCREL1_SJPR_RUMS_S
24	NTPC Renewable Energy Limited_KPS2	NTPCREL_PSS2_KPS2_S
25	Nani Virani Wind Energy Private Limited	NVWEPL_DAYAPAR_BHJ_W
26	OSTRO Energy Private Limited	OEPL
27	Ostro Kutch Wind Private Limited	OKWPL_RE
28	POWERICA LIMITED	POWERICA
29	Renew Green Energy Solutions Private Limited	RenewGreen_SLPR_HS
30	RENEW GREEN (TN THREE) PRIVATE LIMITED	RenewGreenTN3_SLPR_S
31	RENEW GREEN (MHS THREE) PRIVATE LIMITED_HYBRID_SOLAR	RGMHS3_PSS5_SLPR_S
32	Renew Power Limited SECI-II	RPL_SECI_II_RE
33	Renew Wind Energy AP2 SECI-III	RWE_AP2_SECI_III
34	Satluj Jal Vidyut Nigam Green Energy Limited	SGEL_RSP_S
35	Sherisha Rooftop Solar SPV Four Private Limited	SHERISHA_RAIPUR_S
36	Sitac Kabini Renewables Pvt. Ltd.	SITAC_CHUGGER_BHJ2_W
37	Solapur Solar PV Project	SOLAPUR_SOLAR
38	Srijan Energy Systems Pvt Ltd	SRIJAN_MORJAR_BHJ2_W
39	M/s Talettutayi Solar Projects Nine Pvt Ltd	TALTUTAI_SJPR_RUMS_S
40	TEQ GREEN POWER XI PRIVATE LIMITED_C&I(Hybrid_wind)	TeqGreen_Wasi_klm_W
41	Torrent Solargen Ltd (Torrent Power Ltd)	Torrent_Sidpur_Jam_W
42	TATA POWER RENEWABLE ENERGY LTD	TPREL_RSP
43	TP Sourya Limited U1 (SPD of Neemuch RUMS Solar Park)	TPSOURY_BRVD_NMCH_S
44	TP Sourya Limited Kawai (SPD of Neemuch RUMS Solar Park)	TPSOURY_KWAI_NMCH_S
45	M/s Wind Two Renergy Private Limited	W2RPL_DAYAPAR_BHUJ_W

ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
राष्ट्रीय भार प्रेषण केन्द्र / National Load Despatch Centre

आज़ादी का अमृत महोत्सव

कार्यालय : बी-9, प्रथम एवं द्वितीय तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Office : 1st and 2nd Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 42785855

Ref: NLDC/MO/2025/ Date:24th June 2025

To,
As per distribution list.

Subject: Participation in TRAS-Down Market in Line with CERC Regulations and Approved Procedure

Dear Sir/Madam,

This is to bring to your attention upon recent grid conditions and to urge active participation in the Tertiary Reserve Ancillary Services (TRAS) Down market, in accordance with the CERC (Ancillary Services) Regulations, 2022 and the Detailed Procedure for Tertiary Reserve Ancillary Services (TRAS), April 2023.

In the recent past, the grid frequency has remained persistently above the upper operational limit of 50.05 Hz for prolonged durations (4–5 hours), particularly during low demand periods such as weekends and holidays. These frequency excursions pose serious risks to the stability and security of the national grid. To mitigate such imbalances and ensure reliable grid operation, the National Load Despatch Centre (NLDC) has been backing down the conventional generation fleet under the Ancillary Services framework. However, the available reserves are at times insufficient to meet the requirement, and frequency deviations continue to persist.

As per the CERC Ancillary Services Regulations, a generating station or an entity having energy storage resource or an entity capable of providing demand response, on standalone or aggregated basis, connected to inter-State transmission system or intra-State transmission system are eligible for participation as TRAS Providers. The TRAS-Up providers are required to increase generation or reduce drawal and the TRAS-Down providers are required to reduce generation or increase drawal to balance over-generation or lower system demand.

TRAS-Down bids may be submitted in the Day-Ahead and Real-Time AS markets through Power Exchanges in the form of price-quantity pairs. Price discovery for TRAS-Down follows a pay-as-bid mechanism. Upon despatch of the cleared bids, the respective TRAS providers are required to pay back to the Deviation and Ancillary Services Pool Account as per their quoted price.

Participation in TRAS-Down:

- Aids the grid in managing system over-frequency and high renewable injection periods.
- Provides a market opportunity for flexible operation of generation assets.
- Supports compliance with system operator instructions under emergency or balancing conditions.

Key requirements for participation in TRAS:

- Standing clearance from the concerned RLDC/SLDC.
- Registration on the National Open Access Registry (NOAR) portal with TRAS-specific technical and commercial parameters.
- Submission of time-block wise Energy-Down bids on Power Exchanges in accordance with the bidding timelines prescribed in the procedure.

The quantum of reserve to be procured from TRAS Markets is notified on a day ahead basis and published at the following link on Grid-India website: https://grid-india.in/en/operations/range-of-reserve-requirement-projected.

पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

It may be noted that the quantum of TRAS-Down procured through the Day-Ahead and Real-Time Ancillary Services Markets has recently reached levels of up to 2400 MW. The cleared quantum through the market is despatched first, while any remaining requirement is met through despatch under TRAS shortfall category.

Due to inadequate market liquidity in TRAS Down market and limited availability under the shortfall category, on multiple occasions, NLDC had to invoke TRAS under emergency provisions to ensure grid security.

In this context, all eligible generators and demand-side entities are encouraged to actively participate in the TRAS-Down market, which offers both operational benefits and market-based compensation.

We look forward to your proactive participation in the TRAS-Down market to support secure and economic grid operation. For any assistance in the registration or bidding process, kindly coordinate with NLDC or respective RLDC/SLDC.

Thanking You,

Yours Sincerely,

(S Usha)
Executive Director, NLDC

Copy to:

1. CMD, Grid-India
2. Director (SO), Grid-India
3. Executive Director NRLDC/WRLDC/SRLDC/ERLDC/NERLDC

Distribution List

1. ABC Renewable Energy (RJ-01) Private Limited, 6-3-680/8/3, PNO-03, PMR Plaza, 1st Floor Thakur Mansion Lane, Somajiguda, Hyderabad, Telangana-500082
2. ACME Chittorgarh Solar Energy Pvt Ltd, 9 Floor Ashoka Estate 24 B.K. Road, New Delhi - 110001
3. ACME Heergarh Powertech Private Limited, Corp Office: Plot No. 152, Sector-44, Gurugram-122002, Haryana
4. Adani Hybrid Energy Jaisalmer Four Limited, Adani Corporate House, 4th Floor South Wing, Shantigram, S G Highway, Ahmedabad, 382 421
5. Adani Hybrid Energy Jaisalmer One Limited, Village Madhipura, Tehsil-Pokharan,Dist-Jaiselmer, Rajasthan-345026
6. Adani Hybrid Energy Jaisalmer Three Limited, 4th Floor, South Wing, Adani Corporate House, SG Road, Ahmedabad-382421
7. Adani Hybrid Energy Jaisalmer Two Limited, 4th Floor, South Wing, Adani Corporate House, SG Road, Ahmedabad- 382421
8. Adani Renewable Energy (RJ) Limited Rawara, 4th floor, South Wing, Adani Corporate House, Shantigram, Near Vaishnav Devi Circle Ahmedabad-382421
9. Adani Solar Energy Four Limited, Rawara, 4th floor, South Wing, Adani Corporate House, Shantigram, Near Vaishnav Devi Circle Ahmedabad-382421
10. Adani Solar Energy Jaisalmer One Private Limited, C-105, Anand Niketan, New Delhi, India, 110021
11. Adani Solar Energy Jaisalmer Two Private Limited, Adani Corporate House, Shantigram, Ahmedabad 382421
12. Adani Solar Energy Jaisalmer Two Private Limited (Project-2), Adani Corporate House, Shantigram, Ahmedabad 382421
13. Adani Solar Energy Jodhpur Five Private Limited Bhadla, Adani Corporate House, Shantigram, Ahmedabad-382421
14. Adani Solar Energy Jodhpur Two Limited, Rawara, 4th floor, South Wing, Adani Corporate House, Shantigram, Near Vaishnav Devi Circle Ahmedabad-382421
15. Adani Solar Energy RJ One Private Limited Bhadla, Adani Corporate House, Shantigram, Ahmedabad-382421

16. Adani Solar Energy RJ Two Private Limited, 9th Floor, Inspire Business Park, CT-1, Crown 2, Opp. Adani Corporate House,Nr. Vaishnodevi Circle, Shantigram, Khodiyar, Ahmedabad.
17. ADEPT RENEWABLE TECHNOLOGIES PRIVATE LIMITED, Unit 702, 7th Floor, Tower 3, Equinox Business Park, Off Bandra Kurla Complex, L.B.S. Marg, Kurla West, Mumbai City – 400070 Tel.: 022-68812800
18. ADHPL, A.G.M(BD), ADHPL, Bhilwara Towers, A-12 Sector-1, Noida-201301
19. Altra Xergi Power Private Limited, 8th Floor, DLF Square, Jacaranda Marg, DLF Phase-2, Sector-25, Gurugram, Haryana-122002
20. AMP Energy Green Six Private Limited, 309, 3rd Floor, Rectangle One Behind Sheraton Hotel Saket New Delhi-110017
21. AMPLUS AGES PRIVATE LIMITED, A-57, DDA Sheds, Okhla Industrial Area Phase-II, South Delhi, Delhi, India, 110020
22. Anta GPP, NCRHQ NTPC,Room No-39,R & D Building ,Plot No-8A, sector-24,NOIDA
23. Auraiya GPP, NCRHQ NTPC,Room No-39,R & D Building ,Plot No-8A, sector-24
24. Auraiya Solar Power Plant NTPC Ltd., EEMG Department, Auraiya Solar Power Plant NTPC Ltd., P.O. Dibiyapur-Auraiya, Uttar Pradesh-206244
25. Avaada RJHN Private Limited Bikaner, C-11, C Block, Sector-65, Noida-201301, UP
26. Avaada Sunce Energy Private Limited Bikaner, c-11, C Block, Sector-65, Noida-201301
27. Avaada Sunrays Energy Private Limited, C11, Sector 65, Gautam Buddha Nagar, Noida, Uttar Pradesh 201301
28. Avaada Sustainable RJProject Private Limited Bikaner, M/s Avaada Sustainable RJProject Private Limited, C - 11, Sector - 65, Noida, Uttar Pradesh - 201301
29. Ayana Renewable Power One Private Limited, Bikaner, S 2904, 29th floor, Word Trade Center, Brigade Gateway Campus, 26/1, Dr Rajkumar Road , Maleswaram-Rajajinagar, Banglore-560211039
30. Azure Power Forty One Private Limited Bhadla, Southern Park, 5th Floor, D-II, Saket Place, Saket, New Delhi 110017
31. Azure Power Forty Three Private Limited, 5th Floor, Southern Park, D-II, Saket Place, Saket, New Delhi – 110017

32. AZURE POWER INDIA Pvt. Ltd., Bhadla (SPD), Azure Power India Pvt Ltd. (Bhadla SPD), 3rd Floor, Asset 301-304 & 307, Word Mark-3, Aerocity, Delhi
33. Azure Power Maple Private Limited, Southern Park, 5th Floor, D-II, Saket Place, Saket, New Delhi, 110017
34. Azure Power Thirty Four Pvt. Ltd. Bhadla, Azure 34 Power Pvt Ltd. (Bhadla SPD), 3rd Floor, Asset 301-304 & 307, Word Mark-3, Aerocity, Delhi
35. Bairasiul HPS, O/o HOP Secretrait, Bairasul Power Station, NHPC Ltd., Surangani, Dist Chamba Himachal Pradesh
36. Banderwala Solar Plant TPSL, The Tata Power Company Limited, Corporate Center A, 34 Sant Tukaram Road, Carnac Bunder, Mumbai 400 009, Maharashtra, India
37. Budhil, HPS, Second Floor, Block D, Plot No.13, Sy. No. 64 Part, Hitech City Layout, Madhapur Village, Hyderabad (Telangana) 500081
38. Chamera-I HPS, Chamera Power Station-I NHPC Ltd. Kairi Distt: Chamaba, Himachal Pradesh-176325
39. Chamera-II HPS, Chamera Power Station-II NHPC Ltd. Karian Chamaba-176310
40. Chamera-III HPS, Chamera-III Power Station, NHPC Ltd. Village Dharwala, post bag No-9, Distt: Chamaba, Himachal Pradesh-176311
41. Clean Solar Power (Bhadla) Pvt. Ltd, 1st Floor, Plot 201 Okhla Industrial Estate, Phase III, New Delhi 110020
42. Clean Solar Power (Jodhpur) Private Limited Bhadla, 1st Floor, 201, Okhla Industrial estate, Phase-III, New Delhi-110020
43. Dadri GPP, NCRHQ NTPC, Room No-39,R & D Building ,Plot No-8A, sector-24
44. Dadri NCTPS, NCRHQ NTPC, Room No-39,R & D Building ,Plot No-8A, sector-24
45. DADRI SOLAR PV POWER STATION, Dadri Solar PV Station NTPC Dadri P. O. Vidyut Nagar, Gautam Budh Nagar, U.P. -201008
46. Dadri Stage-II NCTPS, NCRHQ NTPC,Room No-39,R & D Building ,Plot No-8A, sector-24,NOIDA
47. Dehar HEP, Bhakra Beas Management Board, SLDC Complex, Industrial Area Phase – I, Chandigarh - 160002
48. Devikot Solar Power Plant NGEL, NTPC Bhawan, Scope Complex, Institutional Area, Lodhi Road, New Delhi- 110003
49. Dhauliganga HPS, Dhauliganga Power Station, Tapovan, NHPC Ltd, Dharchulla, Distt- Pithoragarh, Uttarakhand- 262545

50. Dulhasti HPS, Dulhasti Power House, NHPC Ltd. Chenab Nagar, Sector -II, Distt:- Kistwar, Jammu & Kashmir-182206
51. Eden Renewable Cite Private Limited, 236 B&C, First Floor, DLF South Court, Saket, Delhi-110017
52. Grian Energy Private Limited, A-57. DDA sheds, Okhla Industrial Area Phase–II, South Delhi, Delhi, India, 110020
53. IGSTPS, General Manager IGSTPS, Aravali power Company Private Limited,PO-Jharli,Dist-Jhajjar
54. Khurja STPP, Khurja Super Thermal Power Project, Vill. & Post-Dashera Kherli, Tehsil-Khurja, Distt. Bulandshahr (U.P) -203131
55. Kishanganga HEP, Kishanganga HEP, Office cum Residential colony, Kralpora, Distt: Bandipora, Jammu and Kashmir-193502
56. Kolayat Solar Power Plant NGEL, NTPC Bhawan ,Scope Complex ,7 ,Institutional Area, Lodhi Road,New Delhi -110003
57. Koteshwer HPS, General Manager (Project) Koteshwar Hydro Electric Project THDC India Limited, Koteshwarpuram Post Office- Pokhari Tehri Garhwal, Uttarakhand Pin Code – 249146
58. KWHPS, Himachal Baspa Power Company Limited Sholtu Colony, P.O. Tapri, Kinnaur H.P 172104
59. Mega Solis Renewables Private Limited, DevCo, Mahindra Towers, Dr. GM Bhoasale Marg, P K Kurle Chowk, Worli, Mumbai-400018
60. Mega Suryaurja Private Limited, Mahindra Towers , Dr. GM Bhosale Marg , PK Kurne Chowk , Worli , Mumbai , Maharashtra -400018 , India
61. NAPS, Narora Atomic Power Station,Narora, Distt. Bulandshahar,UP-202389
62. Nathpa-Jhakri HPS, NJHPS Jhakri, Rampur, Distt. Shimla, HP-172201
63. Nidan Solar Power Plant NGEL, NTPC Limited, Fatehgarh Solar Project, Village-Nidan, Tehsil-Pokharan, Dist- Jaisalmer Rajasthan- 345021
64. Nokhra Solar Plant NGEL, NTPC Bhawan Core-07, Scope Complex Lodhi Road Institutional Area New Delhi-110003
65. NTPC Koldam Hydro Electric Power Plant, NTPC KOLDAM HEPP P.o-Barmana,Distt:-Bilaspur, H.P-174013
66. Onevolt Energy Private Limited, A-57, DDA Sheds, Okhla Industrial Area Phase-II, South Delhi, Delhi,110020

67. Parbati-II, HEP, Parbati-II, HEP, NHPC Ltd., E & M Complex, Sainj, Distt. Kullu, Himachal Pradesh -175134
68. Parbati-III, HEP, Parbati-III Power Station, Vill. Behali, P.O. Larji, Distt. Kullu H.P.
69. Pong HEP, Bhakra Beas Management Board, SLDC Complex, Industrial Area Phase – I, Chandigarh – 160002
70. Rampur HEP, HOD, Power House Operation Department, Rampur Hydro Electric Project, Bayal, PO Koyal, Teh-Nirmand, Distt. Kullu, HP-172023
71. RAPP-7&8, NPCIL, TSS, RAPP 7 & 8, NPCIL, Post : ANUSHAKTI, Rawatbhata via KOTA, Rajasthan 323307
72. RAPS-B, RAPP-B, NPCIL, Anu Shakti Vihar, Kota, Rajasthan - 323307
73. RAPS-C, Station Director, Rajasthan Atomic Power Station-B,Anu Shakti Vihar,Kota, Rajasthan-323303
74. ReNew Solar Energy Jharkhand Three Pvt. Ltd., Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram, 122009 Haryana
75. Renew Solar Power Pvt Ltd, Bikaner (250MW), RENEW SOLAR POWER Pvt. Ltd, Commercial Block-1, Zone 6, Golf Course Road, DLF City phase-V,Gurugram
76. Renew Solar Power Pvt. Ltd. Bhadla, (SPD), RENEW SOLAR POWER Pvt. Ltd, Commercial Block-1, Zone 6, Golf Course Road, DLF City phase-V,Gurugram
77. ReNew Solar Urja Pvt Ltd, ReNew Power Private Limited : ReNew Power, Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram-122009, Haryana
78. Renew Sun Bright Private Limited, Commercial Block-1, Golf Course Rd, DLF City, Zone 6, Sector 43, Gurugram, Haryana 122009
79. ReNew Sun Waves Private Limited, Fatehgarh-II, Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram, 122009 Haryana
80. Renew Surya Aayan Private Limited, ReNew Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram- 122102, Haryana
81. Renew Surya Pratap Private Limited, Renew Hub, Commercial Block -1, Zone-6,Golf course Road, DLF city Phase-V, Gurugram-122009
82. Renew Surya Ravi Private Limited Bikaner, M/s Renew Surya Ravi Private Limited, 138, Ansal Chambers-II, Bhikaji Cama Place, New Delhi, 110066
83. Renew Surya Roshni Private Limited, 138, Ansal Chambers-II, Bhikaji Cama Place, Delhi - 110066

84. Renew Surya Vihaan Private Limited, ReNew.Hub, Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram - 122009
85. Rihand -I STPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
86. Rihand -II STPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
87. Rihand-III, STPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
88. Rising Sun Energy (K) Private Limited, PHD House, Upper Ground Floor, 4/2, Siri Institutional Area, August Kranti Marg, New Delhi-110016
89. Sainj HEP, DGM Electrical, Sainj HEP, HPPCL, Larji, Distric - Kullu, Himachal Pradesh, 175122
90. Salal HPS, Salal Power Station, NHPC Ltd. Jyotiputram, Distt: Reasi, Jammu & Kasmir-182313
91. SCL Bewar, Shree Cement Ltd., PO Box No. 33, Bangur Nagar, Beawar. 305901. District: Ajmer (Rajasthan)
92. SEWA-II, Sewa-II Power Station, NHPC Ltd. Mashka, Distt; Kathua Jammu & kashmir- 182206
93. Singoli-Bhatwari HEP, M/s Renew Jal Urja Private Limited, Village -Bedubagar, Dist-Rudraprayag, Uttarakhand-246421
94. Singrauli Small Hydro Station, NTPC Singrauli Small hydro, P.O. Shati Nagar, Distt Sonebhadra, UP 231222
95. Singrauli Solar Pv Power Station, SINGRAULI SOLAR PV POWER STATION, NTPC Singrauli, P.O. Shati Nagar, Distt Sonebhadra, UP 231222
96. Singrauli STPS, TC-33/V-1 Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh, 201301
97. SORANG HEP, D 4, Sector 1, Near SBI, New Shimla, Shimla (H.P.) 171009
98. Tanakpur HPS, Tanakpur Power Station, NHPCLtd, Banbassa, Distt-Champawat, Uttarakhand-262310
99. Tanda Stage II, NTPC Ltd. Tanda stage-II, PO Vidyut Nagar Dist AmbedkarNagar UP -224238
100. Tata Power Green Energy Limited, 34, Sant Tukaram Road, Carnac Bunder, Mumbai, 400009

101. Tehri HPS, General Manager(Project), THDC India Ltd.,Bhagirath Puram, Tehri, Uttrakhand-249001
102. Thar Surya 1 Private Limited, Enel Green Power, 12th Floor, Crescent 1, Prestige Shantiniketan, ITPL Main Rd, Whitefield, Bengaluru - 560048, INDIA
103. TP Saurya Limited, TATA Power Company Limited Corporate Center, B Block, 34, Sant Tukaram Road, Carnac Bunder, Mumbai 400009
104. TPREL (Chhayan), Project Head, TPREL, Corporate Centre, A Block, 34 Sant, Tukaram Road, Camac Bunder, Mumbai 400009
105. Transition Cleantech Services Private Limited, Unit 702,7th Floor,Tower 3, Equinox Business Park, Off Bandra Kurla Complex,L.B.S. Marg, Kurla West, Mumbai City - 400070
106. Transition Energy Services Private Limited, Unit 702, 7th Floor, Tower 3, Equinox Business Park, Off Bandra Kurla Complex, L.B.S. Marg, Kurla West, Mumbai City – 400070. Tel.: 022-68812800
107. Unchahar Solar PV Plant, TC-33/V-1 Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh, 201301
108. Unchahar-I TPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
109. Unchahar-II TPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
110. Unchahar-III TPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
111. Unchahar-IV TPS, AGM (Comml) , NRHQ NTPC Ltd., TC-33/ V-1 Vibhuti Khand, Gomti Nagar , Lucknow-201301
112. URI 2 HEP, URI 2 HE Project, Nowpura, PO URI, Dist Baramula, State J & K
113. Uri HPS, Uri Power Sation Gingle, P. O- Mohura, Distt: Baramulla, Jammu & Kashmir -193122
114. Delhi Seller (PPCL, Bawana), RPH OFFICE COMPLEX RAJGHAT NEW DELHI-110002
115. Haryana Seller, Chief Engineer ,HVPNL, Room No-213, Shakti Bhawan,Sector-6 Panchkula-134109, Haryana
116. HP Seller, SE, SLDC, Himachal Pradesh Load Society, Totu, Shimla, Himachal Pradesh -171011
117. UP Seller (MUNPL), P.O.- kohdar, Tehsil- Meja, Allahabad, Uttar Pradesh-212301

118. Rajasthan Seller, Superintending Engineer (Billing), RUVNL, 132KV GSS Building, Calgiri Road, Malviya Nagar, Jaipur, Rajasthan-302017
119. Malana-II HPS, Everest Power Pvt. Ltd , Director, Everest Power Pvt Ltd Hall-A/ First Floor Plot No-143-144, Udyog Vihar, Phase -4 Gurgaon 122015
120. Korba STPS STG (I & II), General Manager, NTPC Ltd., P.O.: Vikas Bhavan, Jamnipali, Korba(District), Chhattisgarh- 495 450.
121. VSTPS-STAGE-I, General Manager, Vindhayachal STPS, NTPC Ltd, P.O.: Vindhyanagar, Sidhi(District), Madhya Pradesh – 486 885
122. VSTPS-STAGE-II, General Manager, Vindhayachal STPS, NTPC Ltd. ,P.O.: Vindhyanagar, Sidhi(Dist),Madhya Pradesh – 486 885
123. VSTPS-STAGE-III, General Manager, Vindhayachal STPS, NTPC Ltd, P.O.: Vindhyanagar, Sidhi(Dist),Madhya Pradesh – 486 885
124. Kawas Gas Power Project, General Manager, NTPC Ltd , P.O- Aditya Nagar, Surat, Gujarat - 394 516
125. Gandhar Gas Power Project, General Manager, NTPC Ltd, P.O.- NTPC Township, Bharuch(Dist), Gujarat- 392215
126. SIPAT TPS Stg-II, General Manager, NTPC Ltd., SIPAT, Chhattisgarh-495558.
127. Kakrapara Atomic Power Station 1&2, Station Director, Nuclear Power Corporation of India ltd, PO- Vyara, Dist – Surat, Gujarat - 395651
128. Tarapur Atomic Power Station 1&2, Station Director, Nuclear Power Corporation of India Ltd, P.O-TAPP, Thane (Dist), Maharashtra- 401 504
129. Tarapur Atomic Power Station 3&4, Station Director, Nuclear Power Corporation of India Ltd, P.O-TAPP, Thane (Dist), Maharashtra- 401 504
130. SSP, Member (Power), Narmada Control Authority, Narmada Sadan, Sector -B, Scheme No 74, Vijaynagar, Indore, Madhya Pradesh-452010 (Mobile: 9978934846)
131. Jindal Power Ltd. Stg-I, Executive Director, OP Jindal STPP, PO-Tamnar, Gjarghoda Tehsil, Chhattisgarh District - Raigarh, 496107
132. LANCO Power Ltd, General Manager (Comml), Plot No - 397, phase -III, Udyog Vihar, Haryana Gurgaon 122016

133. Korba STPS STG (III), General Manager, NTPC Ltd, P.O.Vikas Bhavan, Jamnipali, Korba(Dist), Chhattisgarh- 495 450.

134. NTPC-SAIL Power Company Private Ltd, General Manager, Puranena Village, Chhattisgarh Dist - Durg, Bhilai 490021

135. ACB (India) Ltd., General Manager ,2 X 135 MW Kasaipali Thermal Power Project, District - Korba Chhattisgarh Chakabura 495445

136. Ratnagiri Gas & Power Pvt Ltd. General Manager, RGPPPL, 5th floor, GAIL Jubilee Tower, B-35-36, Sector-1, Noida, Gautam Budh Nagar, Uttar Pradesh 201301

137. Bharat Aluminium Co. Ltd, General Manager, Captive Power plant-II, BALCO Nagar Chhattisgarh Korba 495684

138. General Manager, SIPAT TPS Stg-I, NTPC Ltd, SIPAT, Chhattisgarh - 495558.

139. Head - Accounts Taxation & MIS The Tata Power Company Limited The Tata Power Company Limited, Mundra Thermal Power Station Tunda Vandh Road, Tunda Village, Mundra, Kutch, Gujarat 370435

140. Executive Director, DCPP, OP Jindal STPP, PO-Tamnar, Gjarghoda Tehsil, Chhattisgarh District - Raigarh, 496107

141. General Manager Mahan Energen Limited Adani House, C-105, Anand Niketan New Delhi, Delhi 110021

142. Managing Director, Sasan Power Ltd, Reliance Centre, Near Parbhat Colony, Off Western Express Highway, Santacruz (E), Mumbai 400055

143. General Manager, Mouda STPP Stage-I, NTPC Ltd, Mouda Ramtek Road, P.O.Mouda, Nagpur (Dist), Maharashtra

144. General Manager, VSTPS-STAGE-IV, Vindhayachal STPS, National Thermal Power Corporation of India Ltd, P.O Vindhyanagar, Sidhi(Dist),Madhya Pradesh – 486 885

145. Executive Director, GMR Warora Energy Limited, Plot No B-1, Mohabala MIDC Growth Center Post Tehsil - Warora, Dist – Chandrapur, Maharashtra 442907

146. Managing Director, KSK Mahanadhi , 8-2-293/82/A/431/A, Road No 22 Jubilee Hills Andhra Pradesh Hyderabad 500033

147. Associate General Manager Adani Power Limited - Raigarh TPP Adani Corporate House, Shantigram, S.G. Highway, Ahmedabad, Gujarat 382421

148. Excecutive Director, DB Power, Village - Baradarha, Post - Kanwali, Dist - Janjgir, Champa, Chhattisgarh Baradarha 495695

149. Managing Director, Jaypee Nigrie Super Thermal Power Project, Nigri District, Singrauli, Madhya Pradesh 486668

150. Executive Director Jindal Power Ltd. Stg-II, OP Jindal STPP, PO-Tamnar, Gjarghoda Tehsil, Chhattisgarh District - Raigarh, 496107

151. EXECUTIVE DIRECTOR (O & M) DGEN CCPP Plot No Z-9, Dahej SEZ Area (Eastern side), At Dahej, Taluka-Vagra, Dist-Bharuch,, Gujarat 392130

152. Associate General Manager Adani Power Limited-Raipur TPP Adani Corporate House, Shantigram, S.G. Highway, Ahmedabad, Gujarat 382421

153. Head(Commercial), Dhariwal Infrastructure Ltd., CESC House, Chowringhee Square, Kolkata – 700001

154. Chief General Manager, RKM Powergen Pvt. Ltd., Village: Uchpinda, PO: Dhurkot, Dist: Janjgir-Champa, Chhattisgarh -495692

155. CEO, MB Power (Madhya Pradesh) Ltd., Corporate Office: 239, Okhla Industrial Estate Phase-III, New Delhi- 110020 (Tel: 011-47624100)

156. Head (Commercial), Jhabua Power Ltd., Village – Barrella, Post – Attaria, Tahsil – Ghansor, Dist – Seoni, Madhya Pradesh – 480997

157. General Manager, VSTPS-STAGE-V, Vindhayachal STPS, National Thermal Power Corporation of India Ltd, P.O Vindhyanagar, Sidhi(Dist),Madhya Pradesh – 486 885

158. General Manager, Mouda STPP Stage-II, NTPC Ltd, Mouda Ramtek Road, P.O.Mouda, Nagpur (Dist), Maharashtra

159. Head (Commercial), SKS Power Generation Chhattisgarh Ltd., 501B, Elegant Business Park, Andheri Kurla Road, J B Nagar, Andheri (East), Mumbai – 400059 (Mob: 07389939063)

160. Sr. Vice President (Power), M/s. TRN Energy Pvt. Ltd., 18, Vasant Enclave, Rao Tula ram Marg, New Delhi-110057

161. Station-Incharge, NTPC Ltd LARA STPP, - Vill-Chhappora Po+Ps- Pussora, Raigarh, Chattisgarh-496001

162. General Manager/ Plant Head, NTPC Ltd., Solapur Super Thermal Power Station, PO: Hotgi Station, Taluka: South Solapur, District: Solapur, Maharashtra-413003.

163. Station Incharge, Kakrapar Atomic Power Project-3&4(KAPP-3&4), Regd. Office: NPCIL, 16th Floor, Centre-1, World Trade Centre, Cuffe Parade, Colaba, Mumbai-400005

164. Station-Incharge, NTPC Ltd. Gadarwara STPP, Village-Dongargaon, PO: Gangai, Tehsil- Gadarwara, Dist-Narsinghpur, Madhya Pradesh (Mobile: 9004497016)

165. Mahindra Renewables Pvt Ltd, RUMS, Deputy Manager, Mahindra Towers, Dr. G.M Bhosale Marg, P.K Kurne Chowk, Worli, Mumbai-400018

166. Arinsun Clean Energy Pvt Ltd, RUMS, Construction Manager, Unit-3, ACEPL, Rewa Ultra Mega Solar Plant, Gurh Tehsil, Dist. Rewa, MP- 486553

167. Senior Manager ATHENA JAIPUR SOLAR POWER PRIVATE LIMITED 08B116, WeWork Enam Sambhav, C 20, G Block Road, G Block BKC, Bandra Kurla Complex, Bandra East, Mumbai, Maharashtra 400051

168. OSTRO Kutch Wind Pvt. Ltd, Sr. Manager, Unit No G-0, Mira Corporate Suites,1&2 Iswar Industrial Estate, Mathura Road, New Delhi-110065

169. Assistant General Manager ReNew Power Private Limited Renew Power Pvt. Ltd, Commercial Block 1 Zone 6, Golf Course Road, DLF City Phase V Gurugram, Haryana 122009

170. AGM Khargone Khargone Super Thermal Power Project, PO Khedi(Bujurg) SO-Bediya,Distt-Khargone, Khargone, MP 451113

171. Sr. Manager GIWEL II RS. No. 133/P Bhuj Taluka, Vadasar Village Kachchh, Gujarat 370445

172. Sr. Manager GIWEL III R.S. No. 236 Naranpar Mosuna, Taluka Nakthrana Kutch, Gujarat 370615

173. Sr. Manager Nani Virani Wind Energy Private Limited Inox Green Energy Services Limited Survey No. 1837 & 1834, At Moje Jetalpur, Second Floor ABS Tower, Old Padra Road Vadodara, Gujarat 390007

174. Associate Manager Adani Wind Energy Kutchh One Limited Adani Corporate House, Shantigram, Near Vaishno Devi Circle, SG Highway, Khodiyar, Ahmedabad, Gujarat 382421

175. Director Alfanar Energy Private Limited 15th Floor, Building No.5, Block-B, DLF Cyber City, Phase-II, Gurugram, Haryana 122002

176. Assistant General Manager ReNew Wind Energy (AP2) Private Limited Commercial Block-1, Zone-6, Golf Course Road, DLF City Phase-V, Gurugram, Haryana 122009

177. DGM Adani Wind Energy Kutchh Three Limited 4th Floor South Wing, ACH Shantigram, Near Vaishno Devi Circle, SG Highway, Khodiyar, Ahmedabad, Gujarat 382421

178. Deputy Manager Continuum Power Trading (TN) Private Limited, 102, 1st Floor, El Tara Building, Behind Delphi Building, Hiranandani Gardens, Powai At Nakhatrana Dist kucth Gujrat Mumbai, Maharashtra 400076

179. Sr. Manager (RE Projects) Gujarat Industries Power Company Limited PO Ranoli Vadodara, Gujarat 391350

180. AGM Electro Solaire Private Limited 203, Pentagoan P3, Magarpatta City, Pune, Maharshtra 411013

181. Tata Power Renewable Energy Limited, Bombay House, 24, Homi Mody Street, Mumbai - 400 001, Maharashtra

182. Deputy Manager Adani Wind Energy Kutchh Five Limited Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle S G Highway, Khodiyar Ahmedabad, Gujarat 382421

183. Assistant General Manager Ostro Energy Private Limited 138, Ansal Chambers-II, Bhikaji Cama Place,New Delhi-110066.

184. AVIKIRAN SOLAR INDIA PRIVATE LIMITED Enel Green Power India Private Limited 12th Floor, Crescent 1, Prestige Shantiniketan, ITPL Main Rd, Whitefield Bangalore, Karnataka 560048

185. Additional Chief Engineer Gujarat State Electricity Corporation Limited- Phase I Sardar Vidyut Bhavan, GSECL Corporate Office; Vadodara vadodara, Gujarat 390007

186. Deputy General Manager NTPC KAWAS SOLAR PV PROJECT DGM (Commercial), NTPC Ltd, Samruddhi venture Park MIDC SEEPZ Road, Near Hotel Tunga Paradise, Andheri (East) Mumbai, Maharashtra 40093

187. Deputy Manager Powerica Limited 14,Valmik Complex , Near Parimal Garden, Ambawadi, Ahmedabad 380006 Ahmedabad, Gujarat 380006

188. General Manager ? Finance & Accounts Srijan Energy Systems Pvt Ltd 402 & 404, Delphi, C Wing, Hiranandani Business Park, Orchard Avenue, Powai, Mumbai , Maharashtra Mumbai, Maharashtra 400076

189. Manager Sitac Kabini Renewables Private Limited EDF Renewables India Private Limited 507-508, Ashoka Estate, 24, Barakhamba Road, New Delhi, New Delhi 110001

190. Dy. General Manager NTPC Jhanor-Gandhar Solar PV Project NTPC Jhanor-Gandhar P.O. Urjanagar Jhanor, Dist Bharuch, Gujarat 392215

191. Manager Adani Wind Energy MP One Private Limited Adani Corporate House, 4th Floor South Wing - Shantigram, Nr. Vaishnodevi Circle, S.G. Highway, Khodiyar, Ahmedabad Ahmedabad, Gujarat 382421

192. Addl. General Manager 23MW SOLAR PROJECT AT NTPC SOLAPUR Dept-EEMG O&M NTPC Solapur Hotgi Station Fhatetewadi Hotgi Road south Solapur Solapur, Maharastra 413215

193. Deputy Manager ADANI WIND ENERGY KUTCHH FOUR LIMITED Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad, Gujarat 382421

194. Deputy Manager WIND FIVE RENERGY LIMITED Adani Corporate House, 4th Floor ,South Wing, Shantigram Nr. Vaishno Devi Circle, SG Highway Khodiyar, Ahmedabad, Gujrat 382421

195. Deputy Manager WIND THREE RENERGY LIMITED 4th Floor ,South Wing, Adani Corporate House, Shantigram Nr. Vaishno Devi Circle SG Highway Khodiyar Ahmedabad, Gujarat 382421

196. Deputy Manager WIND ONE RENERGY LIMITED 4th Floor ,South Wing, Adani Corporate House, Shantigram Nr. Vaishno Devi Circle, SG Highway Khodiyar, Ahmedabad, Gujarat 382421

197. GENERAL MANAGER WIND TWO RENERGY PRIVATE LIMITED SUGEN MEGA POWER PROJECT OFF NH-48, AT & PO - AKHAKHOL, NR. GAYPAGALA, TA-KAMREJ SURAT, GUJARAT 394155

198. Senior Manager Apraava Energy Private Limited Apraava Energy Pvt Ltd, 7th Floor, Fulcrum, Sahar Road, Andheri East Mumbai , Maharashtra 400099

199. Finance Sherisha Rooftop Solar SPV Four Private Limited 11th Floor, Bascon Futura SV IT Part, Venkatnarayana Road, T Nagar, Chennai, Tamilnadu 600017

200. Manager Netra Wind Private Limited 15th Floor, Building No.5, Tower-B DLF Cybercity, Phase-II Gurugram, Haryana 122002

201. Torrent Power Limited Torrent Solargen Limited (Re finance Dept: Address "Samanvay", 600 , Tapovan, Torrent Power Limited , Ambavadi , Ahmedabad - 380015 Ahmedabad, Gujarat 380015

202. Executive MASAYA SOLAR ENERGY PRIVATE LIMITED 208 & 209 , Second Floor, Tower B, Pioneer Urban Square Sec-62, Golf Course Extension Road Gurugram, Haryana 122005

203. Additional Chief Engineer Gujarat State Electricity Corporation Limited- Phase II Sardar Vidyut Bhavan, GSECL Corporate Office, Vadodara Vadodara, Gujarat 390007

204. ADDITIONAL GENERAL MANAGER NTPC Renewable Energy Ltd (Dayapar WEP-Ph-1) DAYAPAR WIND ENERGY PROJECT (CAMP OFFICE) ANAND NAGAR, NAKHATRANA NAKHATRANA, GUJARAT 370615

205. Executive Director, RAMAGUNDAM STG I & II, NTPC, RSTPS, Jyothi Nagar, Dist. Karim Nagar, Telangana - 505 215

206. Executive Director, RAMAGUNTAM STG III, NTPC, RSTPS, Jyothi Nagar, Dist. Karim Nagar, Telangana - 505 215

207. Executive Director, SIMHADRI STG II, NTPC, District - Vishakhapatnam, Simhadri – 531 020, Andhra Pradesh

208. Executive Director, SIMHADRI STG I, NTPC, District - Vishakhapatnam, Simhadri – 531 020, Andhra Pradesh

209. Executive Director, NTPC, TALCHER STG II, NTPC, Kaniha, Deepshikha - P.O,

District – Angul 759 147, Orissa

210. General Manager (O&M), Kudgi STPP, NTPC, T.K.Basavana Bagewadi, Bijapur Dist 586 121, Karnataka

211. Chief General Manager, NLC TPS II STG I, Neyveli Lignite Corpn. Ltd, Thermal Power Station II, Neyveli 607 801, Tamil Nadu

212. Chief General Manager, NLC TPS II STG II, Neyveli Lignite Corpn. Ltd., Thermal Power Station II, Neyveli 607 801, Tamil Nadu

213. Chief General Manager, NLC TPS I EXPANSION, Neyveli Lignite Corpn. Ltd., Thermal Power Station I (Exp.), Neyveli 607 801, Tamil Nadu

214. Chief General Manager, NLC TPS II EXPANSION, Neyveli Lignite Corpn. Ltd., Thermal Power Station II (Expn.), Neyveli 607 801, Tamil Nadu

215. Chief General Manager , New Neyveli Thermal Power Project, Neyveli 607 807, Cuddalore Dist. Tamil Nadu

216. Station Director, MAPS , Nuclear Power Corpn. Of India Ltd, Madras Atomic Power Station, Kalpakkam 603 102, Tamil Nadu

217. Station Director, KGS UNITS 1&2, Nuclear Power Corpn. Of India Ltd, Kaiga Generating Station, Kaiga 581 400, Karwar, Karnataka

218. Station Director, KGS UNIT 3&4, Nuclear Power Corpn. Of India Ltd, Kaiga Generating Station, Kaiga 581 400, Karwar, Karnataka

219. The Station Director, KNPP Unit-1, Kudankulam Nuclear Power Project, Nuclear Power Corporation of India ltd., Kudankulam Post, Radhapuram Taluk – 627 106, Tamil Nadu

220. The Station Director, KNPP Unit-2, Kudankulam Nuclear Power Project, Nuclear Power Corporation of India ltd., Kudankulam Post, Radhapuram Taluk – 627 106, Tamil Nadu

221. The Executive Director, NTPC Tamilnadu Energy Company Ltd., Vallur Thermal Power Project, Vellivoyalchavadi Post, Poneri Taluck, Tiruvallur Dist, Chennai – 600 013, Tamil Nadu

222. The Executive Director, NLC Tamilnadu Power Limited, 2 * 500MW JV Thermal Power Project, Harbour Estate, Tuticorin – 628 004, Tamilnadu

223. Executive Director, LANCO KODAPALLI St II, LANCO KONDAPALLI POWER PVT. LTD, Kondapalli, Ibrahimpatnam Mandal, PIN 521 228, Telangana

224. Executive Director, LANCO KODAPALLI St III, LANCO KONDAPALLI POWER PVT. LTD, Kondapalli, Ibrahimpatnam Mandal, PIN 521 228, Telangana

225. The General Manager, Meenakshi Energy Pvt Ltd.(Phase I), Thamminapatnam Village, Chillakur Mandal, Nellore- 524412, Andhra Pradesh.

226. The General Manager, Meenakshi Energy Pvt Ltd (Phase II), Thamminapatnam Village, 405, Chilakur Mandal, Nellore-524412, Andhra Pradesh.

227. The Plant Incharge, JINDAL POWER LIMITED (Simhapuri unit), Thamminapatnam Village, Chillakur Mandal Tirupati (Dist)- 524412, Andhra Pradesh.

228. The President & CEO, Coastal Energen Pvt Limited, 7th Floor, Buhari Towers, No. 4 Moores Road, Chennai 600 006, Tamil Nadu

229. The Chief Commercial Officer (CCO), Sembcorp Energy India Ltd., 6-3-1090, A-Block, 5th Floor, T.S.R Towers, Raj Bhavan Road, Somajiguda, Hyderabad 500082, Telangana

230. The AGM-Electrical, IL&FS Tamil Nadu Power Company Ltd, C. Pudhupettai (Post), Parangipettai (Via), Chidambaram (TK), Cuddalore 608 502, Tamil Nadu

231. The Chief Commercial Officer (CCO), Sembcorp Energy India Ltd., Project-2, 6-3-1090, A-Block, 5th Floor, T.S.R Towers, Raj Bhavan Road, Somajiguda, Hyderabad 500 082, Telangana

232. Assistant General Manager, INDIGRID SOLAR-I (AP) PRIVATE LIMITED (Formerly known as FRV Andhra Pradesh Solar Farm-I Pvt. Ltd.,) S-5, SECOND FLOOR, MANISH MEGA PLAZA, PLOT NO 13, SECTOR-05, DWARKA, NEW DELHI,110075

233. Assistant General Manager, INDIGRID SOLAR-II (AP) PRIVATE LIMITED (Formerly known as FRV Andhra Pradesh Solar Farm-II Pvt. Ltd.,), S-5, SECOND FLOOR, MANISH MEGA PLAZA, PLOT NO 13, SECTOR-05, DWARKA, NEW DELHI,110075

234. General Manager, Azure Power thirty six private limited, Southern Park, 5th Floor,

D-II, Saket Place, Saket, New Delhi, Delhi 110017

235. Group Head Commercial,Tata Power Renewable Energy Limited, 2nd Floor, Block B, Corporate Centre, 34, Sant Tukaram Road, Carnac Bunder, Mumbai 400 009

236. The Manager, Athena Karnal Solar Power Pvt Ltd (Formerly known as ACME Karnal Solar Power Pvt. Ltd.) 08B116, WeWork Enam Sambhav, C 20, G Block Road, G Block BKC, Bandra Kurla Complex, Bandra East, Mumbai 400051, Maharashtra, India.

237. The Manager, Athena Bhiwadi Solar Power Pvt Ltd (Formerly known as ACME Bhiwadi Solar Power Pvt. Ltd).08B116, WeWork Enam Sambhav, C 20, G Block Road, G Block BKC, Bandra Kurla Complex, Bandra East, Mumbai 400051, Maharashtra, India.

238. The Manager, Athena Hisar Solar Power Pvt Ltd (Formerly known as ACME Hisar Solar Power Pvt. Ltd) 08B116, WeWork Enam Sambhav, C 20, G Block Road, G Block BKC, Bandra Kurla Complex, Bandra East, Mumbai 400051, Maharashtra.

239. The GM (Commercial), NTPC Green Energy Limited, Ultra Mega Solar park, Southern Region Head Quarters, , NTPC Bhavan, Kavadiguda Main Road, Secunderabad 500 080, Telangana

240. General Manager – Projects, Green Infra Renewable Energy Limited, 5th floor, Tower C, Building No.8, DLF Cyber city, Gurugram, Haryana 122 002.

241. Chief operating officer (Wind & Solar), Mytrah Energy (India) Energy Pvt Ltd, 8001, S NO 109 Q city, Nanakramguda, Gachibowli, Hyderabad, Telangana -500032

242. The Assistant General Manager (Electrical), Orange Sironj Wind Power Pvt Ltd, C/o Greenko Sironj wind power pvt. Ltd. 4th floor, Plot No. 13, Sy.No.64 Part, Block-D, Hitech City Layout, Madhapur Village, Hyderabad-500081.

243. Project Head, Vivid Solaire Energy Private Limited, SF No:93/2, 230 KV Substation, OTTANATHAM to SILLANKULAM main road,628718, Sillankulam, Thoothukudi , Tamilnadu.

244. Manager, ADANI SOLAR ENERGY AP SEVEN PRIVATE LIMITED (Formerly known as SB Energy Solar Private Limited), 1st Floor, Adani Green Energy Limited, Fourth Floor South Block, Adani Corporate House (ACH) Shantigram, Ahmedabad – 382421

245. Chief Manager, Fortum Finnsurya Energy Private Ltd., Block 30 and 31, Tirumani village, Pavagada solar Park, Tumkur, dist., Karnataka, India - 572136

246. Manager, Parampujya Solar Energy Private Ltd, Parampujya Solar Energy Private Ltd., Adani Green Energy Limited, Fourth Floor South Block, Adani Corporate House (ACH) Shantigram, Ahmedabad – 382421

247. Asst. General Manager, Yarrow Infra Structure Private Ltd, Rayacherlu (village), pavagad (Taluk), Tumkur (Dist), Karnataka -572136

248. Station Head, Tata Power Renewable Energy Ltd., 2nd floor, B Block, Corporate Center, 34, Sant Tukaram Road, Carnac Bunder, Mumbai 400009

249. Asst. Manager, Adyah Solar Energy Pvt Ltd., S 2904, 29th Floor, World Trade Center, Brigade Gateway Campus, #26/1, Dr. Rajkumar Road, Malleswaram, Rajajinagar Bangalore-KA 560055 IN

250. Manager, ReNew Wind Energy (TN2) Private Limited, Commercial, Block - 1, Zone 6, Golf Course Road, Gurugram - 122009, Haryana

251. Sr. Manager, Avaada Solar Energy Private Ltd, C- 11, Sector 65 | Noida (U.P.) - 201301 | India

252. Senior Manager, AMPLUS TUMKUR SOLAR ENERGY ONE PVT LTD. (Formerly known as ACME Kurukshetra Solar Energy Pvt. Ltd.), Block No. 37&38, Ackmanhalli Village, Tirumani Mandal, Pavagada, Tumkur, Karnataka - 572136

253. Senior Manager, AMPLUS PAVAGADA SOLAR ENERGY TWO PVT LTD (Formerly known as ACME Rewari Solar Power Pvt. Ltd.), Block No. 38, Tirumani Mandal, Pavagada, Tumkur, Karnataka – 572136

254. Sr. manager, ADANI SOLAR ENERGY KA NINE PRIVATE LIMITED. Adani Green Energy Limited, Fourth Floor South Block, Adani Corporate House (ACH) Shantigram, Ahmedabad – 382421

255. AGM, Sprng Solar, Office # 001, Level G, Pentagon P-5, Magarpatta City, Hadapsar, Pune – 411013 , Maharastra.

256. Ayana Ananthapuram, S 2904, 29th floor, World Trade Center, Brigade Gateway Campus, #26/1, Dr. Rajkumar Road, Malleswaram, Bengaluru*(Bangalore), KARNATAKA - 560055

257. HEAD CONSTRUCTION SOLAR, Spring Agnitra, SOLAR PARK KOTHAPALLI VILLAGE, ANANTAPUR, ANDHRA PRADESH- 515521

258. AGM - Asset Management, Spring Renewables, Unit No. FF-48 A, First Floor, Omaxe Square, Plot No.14, Jasola District Centre, New Delhi - 110025

259. Deputy General Manager, Avaada solarise, C-11 sector 65 Noida, UP- 201301

260. AGM, Karnataka renewable energy Development, #39, shanti gruha bharath opposite to general office palace road Bengaluru 560001

261. GENERAL MANAGER, Azure power earth, 5th Floor, Southern Park, D-II, Saket Place, Saket, NEW DELHI- 110017

262. Senior Engineer, Ostro Kannada Power Private Limited, Commercial Block-1, Zone 6, Golf Course Road, DLF City Phase-V, Gurugram :122009

263. DGM, Commercial, NTPC RAMAGUNDAM FLOATING SOLAR PV STATION, NTPC LIMITED SR Headquarters NTPC Bhawan Kavadiguda main road Secunderabad Telangana -500080.

264. DGM, Commercial, NTPC SIMHADRI 25MW SOLAR PROJECT, NTPC LIMITED SR Headquarters NTPC Bhawan Kavadiguda main road Secunderabad Telangana -500080.

265. Asst. General Manager, GRT Jewellers (India) Private Limited, 138, Usman Road, T. Nagar, Chennai, TamilNadu- 600017.

266. General Manager, JSW RENEW ENERGEY TWO LTD ,House No 9/1, 7th Street, Main Road, Perumalpuram Tirunelveli, Tamil Nadu 627007.

267. AGM, Ettayapuram Solar Power Plant NGEL (formerly known as NTPC ETTAYAPURAM SOLAR PLANT) , NAVALAKAMPATTI ROAD, ETTAYAPURAM, THOOTHUKUDI DISTRICT, TAMIL NADU-628902.

268. CM, NTPC Telangana, National Thermal Power Corporation Ltd, Southern Region Head Quarters, SR head Quarters , NTPC Bhavan, Kavadiguda Main Road Secunderabad, Telangana 500080

269. Manager, Renew Surya Roshni private Limited, Commercial Block-1, Golf Course Rd, DLF City, Zone 6, Sector 43 Gurugram, Haryana 122009

270. GM, AYANA RENEWABLE POWER SIX PRIVATE LIMITED S 2904, 29th

Floor World Trade Center, Gateway Campus, 26/1, Dr. Rajkumar Road, Malleshwaram - Rajajinagar Banglore, Karnataka 560055

271. Associate Vice President, JSW Energy Ltd, H.no- 9/1, 7th street main road, perumalpuram Tirunelvelli- 627007 Tirunelvelli, Tamil nadu 627007

272. Head Commercial, Tata Power Trading Company Limited, Tata Power Trading Co. Ltd, C-43, Sec-62, Noida-201307, UP

273. Chief Executive Officer, Maithon Power Limited, Maithon Power Limited MA-5, Gogna Colony. Post Office: Maithon Dhanbad PIN-828207

274. Chief Engineer (Comml.) DVC Seller, Commercial Department, Damodar Valley Corporation, DVC Tower, VIP Road, KOLKATA, WEST BENGAL- 700054

275. GM, EEMG, Nabinagar Power Generation Corporation Ltd., NPGC Nabinagar, Dist-Aurangabad, State- Bihar, Pin -831014

276. GM, O&M, NTPC North Karanpura STPS (3X660 MW), NTPC Bhavan, Core - 7, Scope Complex, 7 Institutional Area, Lodhi Road, New Delhi - 11 0003

277. AGM, COMMERCIAL, ERNVVNBHUTAN_NIKACHHU, NTPC Vidyut Vyapar Nigam Limited, Core - 3,7th Floor, SCOPE COMPLEX, Lodhi Road, New Delhi-110003

278. Add GM(EE), BARH STG-I, NTPC Bhawan Scope complex.,7 Institutional Area, Lodhi road, New Delhi -110003

279. General Manager, KHSTPP-II, NTPC Ltd, P.O. Kahalgaon STP, District: Bhagalpur- 813214

280. Sr. Manager (Electrical), Adhunik PNRL, Village: Padampur, PS: Kandra,Behind 400kv PGCIL Sub-Station,Tata-Seraikela Road, Dist: Seraikela-Kharsawan PIN: 832105 JHARKHAND

281. Head PPA Management, POWER & SALES, GMR Kamalanga Energy Ltd., Plot No.-29, Satyanagar, Bhubaneswar-751007

282. TSTPP-I, ER-II Headquarters, NTPC Ltd 3rd Floor, OLIC Building Plot No., N-17/2 Nayapali Bhubaneswar- 751012

283. FSTPP-I - II, NTP Ltd. ERHQ - I Loknayak Jaiprakash Bhawan, 2nd floor Dak Bunglow Chowk Patna - 800 001

284. Rognichu HEP, MBPCL,E-585, Greater Kailash Part-II, New Delhi

285. GM, Darlipali Super Thermal Power Project, PO: Darlipali-770072 Dist: Sundergarh,Odisha

286. Bharatiya Rail Bijlee Company Ltd., Nabinagar, Khera Police Station, Dist.- Aurangabad, Bihar-824303

287. GM, KHSTPP-I, NTPC Ltd. ERHQ - I Loknayak Jaiprakash Bhawan, 2nd floor Dak Bunglow Chowk Patna - 800 001

288. Ind Barath Energy(Utkal) Ltd, Ind Barath Energy(Utkal) Ltd. Village-Sahajbahal, PO Charpali, Dist-Jharsuguda(Odisha)-768211

289. Kanti Bijlee Utpadan Nigam limited, Kanti Bijlee Utpadan Nigam Limited,MTPS,P.O. - Kanti Thermal,Dist.- Muzaffarpur,Bihar-843130

290. JINDAL INDIA THERMAL POWER LTD., Habitat India,1st Floor, C-3-Qutub Institutional Area,Katwariya Sarai,New Delhi - 110 016 (INDIA)

291. RANGEET HEP, Chief Engineer, Rangit Hydro Electric Project

292. TEESTA HEP, HOP, TEESTA V POWER STATION

293. Jorethang Loop HEP, Dans Energy Pvt. Ltd., 10th Floor,DLF Building No. 8, Tower C, DLF Cyber City,Phase-II,Gurgaon-122002,Haryana

294. FSTPP-III, NTPC Ltd. ERHQ - I Loknayak Jaiprakash Bhawan, 2nd floor Dak Bunglow Chowk Patna - 800 001

295. BARH-II, NTPC Ltd. ERHQ - I Loknayak Jaiprakash Bhawan, 2nd floor Dak Bunglow Chowk Patna - 800 001

296. Sneha Kinetic Power Project Private Ltd, Second Floor, Plot No. 13, Sy. No.64 Part, Block D, Hitech City Layout, Madhapur Village, Hyderabad 500081 (Telangana)

297. Shiga Energy Private Ltd, 10th Floor, DLF Building No.8, Tower C, Phase-II

298. TALCHER SOLAR PV POWER STATION, NTPC LIMITED, ER-II Headquaters,NTPC Limited,3rd Floor,OLIC Builiding, Plot No.: N-17/2, Nayapalli,Bhubaneswar

299. GI HYDRO PRIVATE LIMITED, Legend Platinum, 4th Floor, Plot No. 20, Survey No. 12, Kothaguda, Kondapur, Hyderabad, Hyderabad, Telangana, India, 500084

300. Managing Director, ONGC Tripura Power Company Ltd., Corporate Office, 10th Floor, Core 4 & Central, SCOPE MINAR, Laxmi Nagar, Delhi-110092
301. AGM (O&M), NTPC Ltd., BgTPP, Salakati (P), Dist: Kokrajhar (BTAD), Assam-783369
302. Group General Manager, Incharge (HOP),Loktak Power Station,NHPC Ltd, AT/PO: Loktak Project,Dist:Churachand Pur,State: Manipur,PIN:795124
303. Head of Plant, Doyang HEP, NEEPCO, Wokha, Nagaland
304. Head of Plant, Ranganadi HEP, NEEPCO, Yazali, Dist. Lower Subansiri, Ar. Pradesh- 791119
305. Head of Plant, AGBPP, NEEPCO, Kathalguri, Bokuloni, Tinsukia, Assam-786191
306. Head of Plant, Agartala Gas Turbine Power Plant, NEEPCO Ltd. RC Nagar, Agartala, Tripura(West)- 799008
307. Head of Plant, Khandong HEP, NEEPCO, Umrangsoo, N.C.Hills, Assam
308. Head of Plant, Kopili HEP, NEEPCO, Umrangsoo, N.C.Hills, Assam
309. Head of Plant, Kopili-2 HEP, NEEPCO, Umrangsoo, N.C.Hills, Assam
310. Head of Plant, Pare HEP, NEEPCO Ltd, Sopo, P.O- Doimukh, Dist- Papumpare, Arunachal Pradesh, PIN - 791112
311. Head of Plant, EMG, Kameng HEP, NEEPCO, Kimi, P.O.- Bhalukpong, Post Box-2, West Kameng Dist., Arunachal Pradesh, PIN 790114
312. Divisional Engineer/Technical, Andhra Pradesh Solar Power Corporation Pvt. Ltd, H.No. 6-3-856/A/3, Sadat Manzil Compound, Neeraj Public School Lane, Opposite to Green Park Hotel, Ameerpet, Hyderabad 500 016, Telangana
313. CEO, KSPDCL,2nd Floor, South Block Beeja Raja Seeds Complex, Bellary Road, Hebbala ,Bengaluru -560024.
314. Delhi, Chief Engineer, SLDC, 33kV Sub Station Building, Minto Road, New Delhi – 110002
315. Haryana, Chief Engineer, HVPNL, Room No-213, Shakti Bhawan, Sector-6, Panchkula – 134109, Haryana
316. Himachal Pradesh, Chief Engineer, HP Load Despatch Society, SLDC Complex, Totu, Shimla – 171011
317. Jammu & Kashmir, Chief Engineer, SLDC Building, 220 kV Grid Station, Narwal, Jammu – 180004

318. Punjab, Chief Engineer, State Load Dispatch Centre, PSTCL, Ablowal, Patiala – 147001, Punjab

319. Rajasthan, Chief Engineer, State Load Despatch Centre, RVPN, Heerapura, Jaipur – 302024

320. Uttar Pradesh, Chief Engineer, UPSLDC, Vibhuti Khand-II, Gomati Nagar, Lucknow – 226010

321. Uttarakhand, Chief Engineer, SLDC, PTCUL, Vidyut Bhawan, Near ISBT Crossing, Majra, Dehradun – 248002

322. Chhattisgarh, Chief Engineer, Chhattisgarh State Load Despatch Centre, CSPTCL, Daganiya-HQ, Raipur – 492013

323. Gujarat, Chief Engineer, SLDC, 132kV Gotri S/S Compound, Opp. Kalpvrux Complex, Gotri Road, Vadodara – 390021

324. Madhya Pradesh, Chief Engineer, State Load Despatch Centre, MPPTCL, Nayagaon, Rampur, Jabalpur – 482008

325. Maharashtra, Chief Engineer, SLDC, Airoli, Thane-Belapur Road, Navi Mumbai – 400708

326. Goa, Chief Engineer, SLDC, Goa Electricity Department, Main SLDC Building, Near KTC Bus Stand, Margao – 403601, South Goa, Goa

327. Dadra & Nagar Haveli, Chief Engineer, SLDC, DNH and DD Power Corporation Ltd., Vidhyut Bhavan, 66 KV Road, Near Secretariat, Amli, Silvassa – 396230

328. Bihar, Chief Engineer, SLDC, Bihar, 4th Floor, Vidyut Bhawan, Bailey Road, Patna-800001

329. Jharkhand, General Manager, SLDC, Kushai Colony, Doranda, Ranchi – 834002

330. Odisha, Chief Load Despatcher, State Load Despatch Centre, OPTCL, P.O. Mancheswar Railway Colony, Bhubaneswar – 751017

331. Sikkim, Chief Engineer, SLDC, Power Secretariat, Dept. Of Power, Govt. of Sikkim, Kazi Road, Gangtok – 737101

332. West Bengal, Chief Engineer, West Bengal State Load Despatch Centre, P.O. Danesh Seikh Lane, Andul Road, Howrah – 711109

333. Assam, Chief Engineer, SLDC Complex, AEGCL, Kahilipara, Guwahati – 781019

334. Manipur, Chief Engineer, SLDC, Electricity Department, Keishampat, Imphal – 795001

335. Meghalaya, Chief Engineer, SLDC, 132 kV NEHU Substation Complex, Umjarain, Shillong – 793022

336. Mizoram, Chief Engineer, SLDC, Power House Complex, Electric Veng, Aizawl – 796001

337. Nagaland, Chief Engineer, SLDC, Electricity Colony, Full Nagarjan, Dimapur – 797112

338. Tripura, Chief Engineer, SLDC, 79 Tilla, Kunjaban, Agartala – 799006

339. Andhra Pradesh, Chief Engineer, SLDC, Ground Floor, APSLDC Building, Vidyut Soudha, Gunadala, Vijayawada – 520004

340. Karnataka, Chief Engineer, SLDC, KPTCL, Racecourse Cross Road, Anand Rao Circle, Bengaluru – 560009

341. Kerala, Chief Engineer, SLDC, H.M.T. Colony P.O., Kalamassery – 683503

342. Tamil Nadu, Chief Engineer, SLDC, TANTRANSCO, Block No. 144, Anna Salai, Chennai – 600002

343. Telangana, Chief Engineer, SLDC, Room No. 611, A Block, Vidyut Soudha, Khairtabad, Hyderabad – 500082

344. Puducherry, Chief Engineer, System Control Centre, Electricity Department, 137 Nethaji Subhash Chandra Bose Salai, Puducherry – 605001

345. Bhakra Beas Management Board (BBMB), Chief Engineer, System Operation, SLDC Complex, Industrial Area Phase-1, Madhya Marg, Chandigarh – 160002

346. Damodar Valley Corporation (DVC), Executive Director (System), DVC Towers, VIP Road, Kolkata – 700054

Annexure-5

GUJARAT ENERGY TRANSMISSION CORPORATION LIMITED
STATE LOAD DESPATCH CENTRE
(CIN): U40100GJ1999SGC036018
220kV Gotri Sub Station Compound, Gotri Road, Gotri, Vadodara – 3900 021
Tel. No.: (0265) 2352103, 2322207 Website: www.sldcguj.com,
Email: celd@gebmail.com, seopsldc.getco@gebmail.com

To,

The Member Secretary, Western Region Power Committee, F-3, MIDC Area, Marol, Opp. SEEPZ, Central Road, Andheri (East), Mumbai – 400093	The Dy. Chief Operating Officer, Central Transmission Utility of India Limited, IRCON International Tower, Tower 1, Plot No. 16, Institutional Area, Sector-32, Gurugram, Haryana – 122003
The Executive Director, Grid Controller of India Limited, Western Regional Load Despatch Centre, F-3, MIDC Area, Marol, Andheri (East), Mumbai – 400093	The Executive Director, Torrent Power Limited, "Samanvay", 600, Tapovan, Ambavadi, Ahmedabad – 380015

Subject: Implementation of 800 MW & 100 MW additional GNA granted by CTU to TPL Ahmedabad & Surat respectively.

Dear Sir,

A meeting was held between CTU, WRLDC, WRPC, STU-GETCO, Gujarat-SLDC and TPL representatives on 27/06/2025 to resolve issues related to implementation of 800 MW & 100 MW additional GNA granted to TPL-Ahmedabad and TPL-Surat respectively over and above 44.64 MW deemed GNA granted to each entity through STU-GETCO.

A Minutes of the Meeting is attached herewith.

Thanking you,

With regards,

A. B. Rathod,
Chief Engineer,
SLDC-Gujarat.

Copy fwcs to:

1) The Managing Director, GETCO, Vadodara
2) The Chief Engineer (STU), GETCO, Vadodara

MoM for the meeting held on 27th June 2025 regarding implementation of 800 MW & 100 MW additional GNA granted by CTU to TPL Ahmedabad & Surat respectively

A meeting was held amongst WRPC, CTU, WRLDC, STU-GETCO, Gujarat-SLDC and TPL on 27/06/2025 to resolve issues related to implementation of 800 MW & 100 MW additional GNA granted to TPL-Ahmedabad and TPL-Surat respectively over and above 44.64 MW deemed GNA granted to each entity through STU-GETCO. List of participants is attached at **Annexure-1**.

Gujarat-SLDC informed that 6434 MW deemed GNA was granted to Gujarat as per CERC GNA Regulations 2022. As per GNA Regulation 18.1 (e), SLDC was to segregate this deemed GNA quantum amongst Intra-State entities. SLDC sought clarifications from Hon'ble CERC for segregation of deemed GNA quantum amongst various Intra-State entities. In the absence of clear methodology, Gujarat-SLDC had segregated deemed GNA quantum amongst Intra-State entities in the ratio of their Long-Term Access and Medium-Term Open Access, as included in the first bill raised in the previous month under the Sharing Regulations, as per GNA Regulations 18.1 (e) and accordingly deemed GNA quantum allocated to Intra-State entities are as under:

Name of Entity	Deemed GNA Quantum (MW)
GUVNL	6226.89
Indian Railway	77.99
TPL-Ahmedabad	44.64
TPL-Surat	44.64
MUL / MPSEZ	31.89
Heavy Water Board	7.95
Total	**6434 MW**

I. Issues related to implementation of 800 MW additional GNA to TPL-Ahmedabad and 100 MW additional GNA to TPL-Surat:

1. 44.64 MW deemed GNA is allocated to each TPL-Ahmedabad and TPL-Surat distribution licensees by Gujarat-SLDC and the same is in operation.
2. Subsequently, TPL-Ahmedabad & TPL-Surat applied for additional 800 MW and 100 MW GNA respectively to CTU as a distribution licensee seeking to connect to ISTS directly.

3. CTU granted this additional GNA for 800 MW to TPL-Ahmedabad on 29/09/2023 and 100 MW GNA to TPL-Surat on 09/11/2023, considering adequacy of available ISTS network. Subsequently, 800 MW GNA granted to TPL-Ahmedabad was made effective on 30/03/2024 and 100 MW GNA granted to TPL-Surat was made effective on 05/06/2024.
4. TPL is bearing the transmission charges for this additional GNA as per monthly bills raised by CTU in line with CERC Sharing Regulations, 2020, however, this additional GNA quantum is not implemented by WRLDC & Gujarat-SLDC considering various reasons;
   (i) Dual connectivity i.e. ISTS & Intra-State for both TPL-Ahmedabad & TPL-Surat licensee area
   (ii) Both licensee area is having dual GNA – part through STU and part through ISTS directly
   (iii) Consideration of access of Gujarat for RTDA
   (iv) Control area jurisdiction for additional GNA, as it is granted with direct ISTS connectivity
   (v) How to track additional GNA quantum i.e. Demand to the tune of additional GNA is to be separated from other STU connected network
   (vi) Applicability of ISTS & Intra-State transmission charges and losses
   (vii) If additional GNA is not part of Gujarat schedule, then how SLDC will prepare deviation account and how this will affect the RTDA of State of Gujarat.

II. The matter was deliberated as under:

1. TPL submitted that transmission charge for addl. 800 MW GNA granted to TPL-Ahmedabad & 100 MW GNA granted to TPL-Surat is being paid regularly to CTU. However, the transmission charge on account of T-GNA quantum schedule by TPL-Ahmedabad and TPL-Surat is not being offset by WRLDC/NLDC.
2. WRLDC stated that TPL-Ahmedabad is an embedded entity of Gujarat and its scheduling is carried out by SLDC-Gujarat. The additional GNA of 800 MW was allocated to TPL- Ahmedabad as distribution licensee directly connected to ISTS, in addition to its 44.64 MW deemed GNA granted to TPL-Ahmedabad, through GETCO(STU).
3. WRPC & WRLDC opined that splitting of distribution licensee area i.e. part with STU and part with ISTS is not advisable and TPL distribution licenses shall continue to be part of Gujarat-SLDC control. A methodology for scheduling and commercial account settlement needs to be finalised. TPL and SLDC-Gujarat also agreed to the same.

4. WRLDC & Gujarat-SLDC suggested that complete TPL distribution licensee area will remain as an embedded entity of Gujarat state control area. For scheduling purpose, SLDC shall split schedule of TPL distribution licensee in two parts i.e. TPL distribution licensee connected with STU and TPL distribution licensee connected with CTU. WRLDC & SLDC-Gujarat to enable suitable provisions in their software / portal of NOAR, WBES, EASS 2.0, etc.
5. WRLDC and SLDC Gujarat suggested the methodology for scheduling and accounting as below:
   (i) TPL Ahmedabad shall be registered as two utilities in NOAR & WBES in the name of TPL_AH_ISTS & TPL_AH_STU to identify the schedules through ISTS directly & through STU.
   (ii) TPL Ahmedabad will be allowed to schedule the power under GNA & T-GNA segment in the name of TPL_AH_ISTS only up to the maximum quantum of 800MW as the access allowed to TPL-Ahmedabad is 800MW only (from ISTS directly). ISTS losses shall be applicable to scheduled power under the name of TPL_AH_ISTS. Same is applicable for Surat.
   (iii) Further, the schedule of TPL-Ahmedabad from Sugen & Uno-Sugen shall be considered as the power scheduled through ISTS only in the name of TPL_AH_ISTS as Sugen and Uno-Sugen also have the direct connectivity to ISTS.
   (iv) The scheduling of transactions from Sugen and Uno-Sugen to TPL-Ahmedabad shall be done through WBES only through separate GNA contracts against the GNA Access of 800 MW and ISTS losses will be applied on these transactions. The balance margin in the GNA Access after facilitating the Sugen & Uno-Sugen schedules shall be allowed for scheduling from other sources by TPL-Ahmedabad through ISTS.
   (v) TPL-Ahmedabad will be allowed to schedule the power under GNA segment in the name of TPL_AH_STU up to the maximum quantum of 44.64MW as the access (deemed GNA) allowed to TPL-Ahmedabad through STU is 44.64MW only (from STU). ISTS losses & STU losses shall be applicable to scheduled power under the name of TPL_AH_STU.
   (vi) In case of any drawal requirement from ISTS beyond 844.64 MW (i.e., 800MW through ISTS & 44.64 MW through STU), TPL-Ahmedabad shall obtain the standing clearance/NOC from Gujarat SLDC through NOAR and shall be allowed to schedule the power from other sources (including collective segments) through T-GNA for which ISTS Losses and STU Losses is applied.
   (vii) The injection schedule of Sugen & Uno-Sugen & drawal schedule of TPL-Ahmedabad is simultaneously reflected in Gujarat, due to which the Gujarat net

schedule at ISTS boundary will be reduced by a loss component of these transactions.

(viii) T-GNA Collective Charges:

- Single settlement of TGNA Collective Charges shall be done considering the total Access (844.64MW). TPL-Ahmedabad shall pay for T-GNA collective quantum if the total schedule (TPL_AH_ISTS & TPL_AH_STU) under GNA + TGNA (Bilateral + Collective) is above 844.64 MW. WRLDC will coordinate with NLDC for suitable changes in NOAR.

(ix) Metering**:**

- The Gujarat drawal points from ISTS will be shifted to Pirana (Torrent) & SUGEN /Uno-Sugen, so that the transmission losses in the 400 kV lines connected at Pirana (Torrent) & SUGEN & Uno-Sugen which are ISTS lines will be pooled to regional losses. Due to this, the actual drawal by the Gujarat from ISTS will be reduced by the amount of losses occurs in these ISTS lines.
- TPL (transmission) shall coordinate with SLDC & WRLDC for installation of meters on these lines and the substation personnel to submit the weekly meter data to WRLDC for energy accounting.

(x) On similar line, necessary changes in the system shall be made to operationalize 100 MW GNA for TPL-Surat license area as well by creating two utilities in NOAR & WBES for TPL-Surat.

(xi) DSM account and RTDA account for TPL distribution licensee area including that of additional GNA will be a part of entire Gujarat control area.

6. TPL shall provide additional meters if required as per requirement of Gujarat-SLDC.
7. WRLDC submitted that this proposed methodology shall be effective from the date of implementation after having required modifications in the NOAR, WBES & EASS 2.0 software of WRLDC & SLDC. The date of readiness and implementation of the methodology shall be intimated to all the stakeholders by WRLDC, after receipt reediness by SLDC-Gujarat and Torrent.
8. TPL requested to adjust T-GNA charges paid by them against already granted additional GNA retrospectively to avoid additional burden on consumers.
9. All the members agreed that the T-GNA charges paid by TPL have resulted in payment of double charges for the same access. WRPC suggested that the above request of TPL for adjustment of T-GNA charges from retrospective effect will have to be discussed with all stakeholders and the same shall be taken up by TPL along with WRLDC & Gujarat SLDC in the next CCM meeting of WRPC.

Meeting concluded with thanks to the participants.

List of Participants				Annexure-1
Sr. No.	**Name of Utility**	**Name of Participant**	**Designation**	**Email-id**
1	GETCO	Shri Upendra Pande	MD	md.getco@gebmail.com
2	CTU	Ms. Manju Gupta	Dy. COO	manju@powergrid.in
3	GRID-INDIA WRLDC	Shri M. M. Mehendale	ED	mehendale@grid-india.in
4	GRID-INDIA WRLDC	Shri Tushar Mohapatra	GM	trmohapatra@grid-india.in
5	Gujarat SLDC	Shri K. J. Bhuva	CE	celd@gebmail.com
6	WRPC	Shri P. D. Lone	SE	comml-wrpc@nic.in
7	TPL	Shri Chetan Bundela	ED	chetanbundela@torrentpower.com
8	GETCO STU	Shri B. M. Shah	SE	stu.getco@gebmail.com
9	CTU	Shri Bhaskar Wagh	DGM	bhaskarwagh@powergrid.in
10	CTU	Shri Hari Vakade	Chief Manager	hari.vakada@powergrid,in
11	TPL	Shri Jignesh Langalia	VP	jigneshlangalia@torrentpower.com
12	TPL	Shri Ashok Thakkar	GM	ashokthakkar@torrentpower.com
13	TPL	Shri Bhavik Shah	AGM	bhavikshah@torrentpower com
14	Gujarat SLDC	Shri P. B. Suthar	EE	eecommsldc.getco@gebmail.com
15	Gujarat SLDC	Shri C. C. Darji	EE	sldceesch@gebmail.com
16	Gujarat SLDC	Shri Dipak H. Patel	DE	demissldc.getco@gebmail.com

Annexure-6

TPL Agneda for upcoming CCM

bhavikshah@TORRENTPOWER.COM < bhavikshah@TORRENTPOWER.COM >

Thu, 24 Jul 2025 1:28:15 PM +0530

To "comml-wrpc"<comml-wrpc@nic.in>,"Pramod.lone"<Pramod.lone@gmail.com>

Cc "ms-wrpc"<ms-wrpc@nic.in>,"JIGNESHLANGALIA" <JIGNESHLANGALIA@torrentpower.com>,"ashokrthakker" <ashokrthakker@torrentpower.com>

Dear Sir,

Please find herewith agenda for upcoming CCM:

CTU granted additional GNA of 800 MW to TPL-Ahmedabad on 29/09/2023, considering adequacy of available ISTS network and same was made effective on 30/03/2024. In turn, TPL is bearing the transmission charges for this additional GNA as per monthly bills raised by CTU in line with CERC Sharing Regulations, 2020. However, this additional GNA quantum is not implemented due to pendency of resolution of various issues in its implementation.

When matter was deliberated during the meeting of CTU, WRLDC, WRPC, GETCO, SLDC, TPL held on 27th June, 2025 at Vadodara, TPL also represented that transmission charge for addl. 800 MW GNA granted to TPL-Ahmedabad is being paid regularly to CTU; however, the transmission charge on account of T-GNA quantum schedule by TPL-Ahmedabad is not being offset. Therefore, TPL requested to adjust T-GNA charges paid by them against already granted additional GNA so as to avoid duplication of charges for the same network access and burden on the consumers.

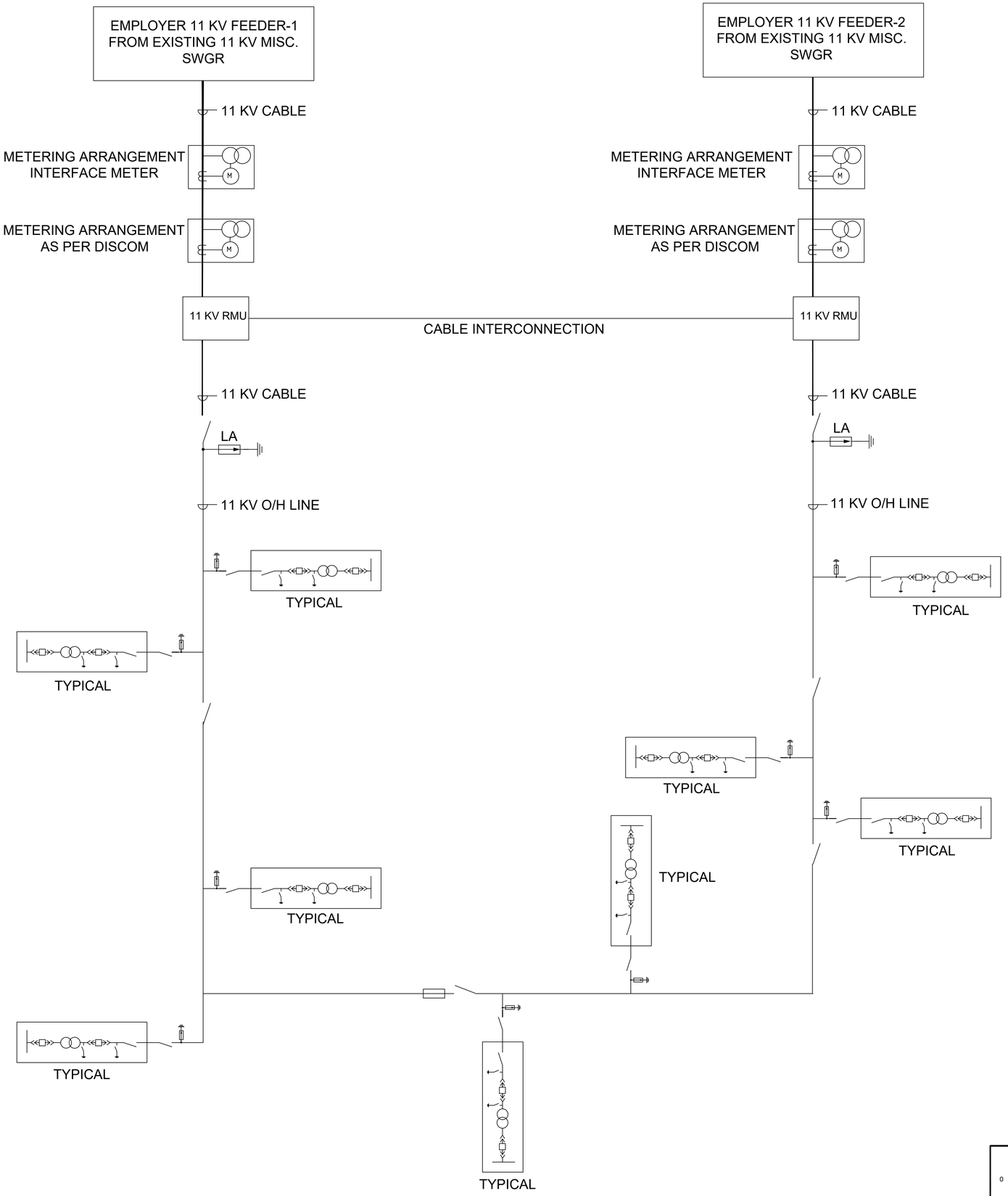
All the Members in the Meeting agreed that the T-GNA charges paid by TPL have resulted in payment of double charges for the same access. In turn, it was decided to give necessary adjustment for past period after discussions with all stakeholders in the ensuing CCM meeting of WRPC.

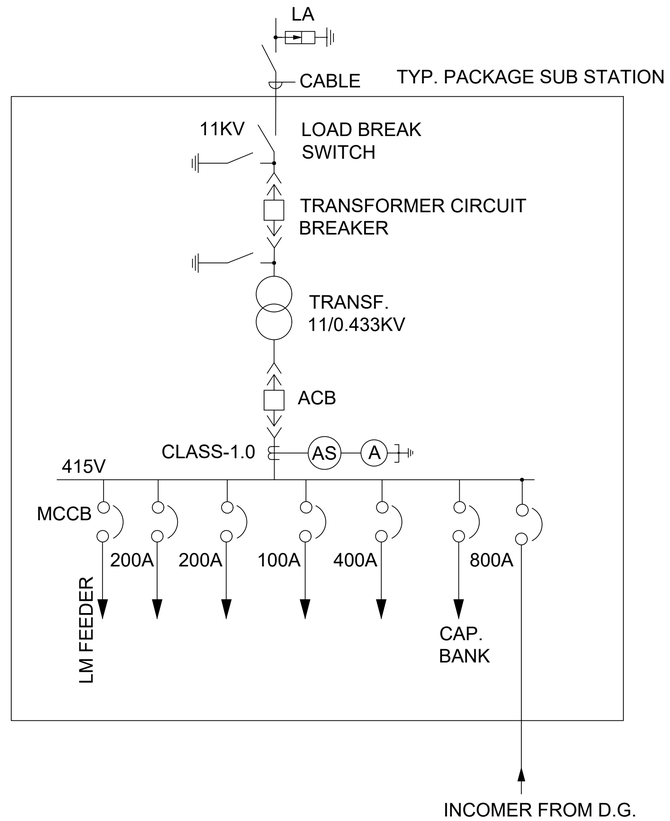
In view of above, it is proposed to grant approval to TPL?s request for making necessary adjustment to the extent of duplication of charge towards the same access of ISTS network which was not given earlier.

Regards,

Bhavik Shah
Assistant General Manager | Power Management | AMDIST
M: +91-9227758405, T: +91-79-27492222, Ext: 5796
Naranpura Office | Sola Road | Ahmedabad - 380013

torrent POWER | www.torrentpower.com





NOTE:-

1. INTERFACE METERING ARRANGEMENT AS AGREED IN RPC/METERING SUB-COMMITTEE.
2. DISCOM METERING ARRANGEMENT SHALL BE AS PROPOSED BY MPPKVVCL.

REV. NO.	DESCRIPTION	DRAWN	DESIGN	CHKD.	APPD.	DATE
0		ZSN	D.G.	D.G.	K.R.	10-04-2024

एनटीपीसी लिमिटेड
NTPC Limited
(A GOVERNMENT OF INDIA ENTERPRISE)
ENGINEERING DIVISION

PROJECT: GADARWARA STPP STAGE II (2X800 MW)

TITLE: SINGLE LINE DIAGRAM FOR CONSTRUCTION POWER

SIZE	SCALE	DRG. NO.	REV. NO.
A1	NA	XXXX-999-POE-F-002	0

Annexure-8.1

DBPL Letter to WRPC for submission of Agenda Item in the 94th WRPC CCM

SalesDBPower < sales@dbpower.in >

Tue, 29 Jul 2025 7:51:27 PM +0530

To "'comml-wrpc@nic.in'"<comml-wrpc@nic.in>

Cc "Manu Namboothiri"<manu.namboothiri@dbpower.in>,"SalesDBPower"<sales@dbpower.in>

Dear Sir,

Please find attached DBPL letter for submission of agenda item in forthcoming 94th WRPC Commercial Committee Meeting.

Thank you.

Regards
Vishal Verma
Power Sales & Regulatory
DB Power Limited, 3rd Floor, Naman Corporate link,
G-Block, BKC, Bandra East, Mumbai 400 051,
Contact No: 8210406662

1 Attachment(s)

20250729 -Letter to WRPC for …
273.1 KB

D B POWER LIMITED

CIN: U40109MP2006PLC019008

Corporate Office : 3rd Floor, Naman Corporate Link, Opp. Dena Bank, C-31, G- Block, Bandra Kurla Complex,
Bandra (E), Mumbai – 400 051, Tel No +91-22-3930 6000, Fax: +91-22-26590264

Ref: DBPL/WRPC_LT/29072025 Date: 29.07.2025

To
The General Manager (Market Operations)
Western Region Power Committee
F-3, MIDC Area, Marol, Andheri (East), Mumbai – 400093
Email: comml-wrpc@nic.in

Subject: Submission of Agenda Item Related to Persistent Non-Adherence to Minimum Turndown Levels by CSPDCL / SLDC – Invocation of Regulatory Oversight under IEGC

References:
1. Notice of 94th CCM meeting: Ref. No. WRPC/ Comml./CCM/Notice/2025/ 14163
2. Indian Electricity Grid Code (IEGC), 2023 and Amendments Thereof
3. Letter to CSPDCL: Ref. No. DBPL/CSPDCL_LT/05062025 dated 05.06.2025
4. Letter to Grid-India: Ref. No. DBPL/Grid-India_LT/26062025 dated 26.06.2025

Sir,

We wish to propose an agenda item for the forthcoming 94th WRPC Commercial Committee Meeting regarding a recurring issue of regulatory non-compliance that is adversely affecting the operations of DB Power Limited (DBPL) in connection with our power supply arrangement with Chhattisgarh State Power Distribution Company Limited (CSPDCL). Specifically, the issue pertains to repeated deviations from the Minimum Turndown Level norms stipulated under the Indian Electricity Grid Code (IEGC), 2023.

Despite multiple written and verbal communications with both CSPDCL and the State Load Dispatch Centre (SLDC), load schedules issued to DBPL continue to fall consistently below the minimum threshold defined under Clause 45.12 of the IEGC. For reference, the said clause provides:

> *"The minimum turndown level for operation in respect of a unit of a regional entity thermal generating station shall be 55% of the MCR of the said unit or such other minimum power level as specified in the CEA (Flexible Operation of Coal-Based Thermal Generating Units) Regulations, 2023, as amended from time to time, whichever is lower."*

The above requirement is binding and intended to ensure safe, reliable, and efficient operation of generating units. However, CSPDCL continues to exercise its scheduling rights unilaterally without the consent of the generator, forcing DBPL to operate below safe technical limits.

This ongoing practice has led to serious operational and commercial implications, including:

- Technical stress on critical equipment due to operation below design parameters
- Compromised safety and thermal efficiency of the plant
- DSM penalties, arising from necessary over-injection in good faith to maintain regulatory compliance.
- Forced participation in Real-Time Market (RTM) at zero or distressed pricing in order to avert equipment damage.

We wish to highlight that other long-term beneficiaries of DBPL including TNPDCL, GUVNL, and RUVNL have consistently adhering to the minimum turndown obligations, enabling orderly scheduling and grid reliability. CSPDCL's repeated deviation stands out as a significant regulatory aberration.

In view of the above, we request you to take up the matter at your end and direct CSPDCL/SLDC to discontinue the said scheduling practice forthwith.

Thanking you
For **DB Power Limited,**

(Authorized Signatory)
Manu Krishnan Namboothiri
Vice President & Head of Business (Power, Coal, Strategy & Policy Advocacy)
E-mail: manu.namboothiri@dbpower.in, Mob: +91 7506256244

D B POWER LIMITED

CIN: U40109MP2006PLC019008

Corporate Office : 3rd Floor, Naman Corporate Link, Opp. Dena Bank, C-31, G- Block, Bandra Kurla Complex, Bandra (E), Mumbai – 400 051, Tel No +91-22-3930 6000, Fax: +91-22-26590264

Annex A – Details of full surrender leading to violations to technical minimum norms of IEGC

For the month of May-25

03-05-2025	34	68	Full Surrender
05-05-2025	33	64	Full Surrender
06-05-2025	33	62	Full Surrender
07-05-2025	33	64	Full Surrender
08-05-2025	33	64	Full Surrender
09-05-2025	33	64	Full Surrender
10-05-2025	33	64	Full Surrender
11-05-2025	33	64	Full Surrender
12-05-2025	33	35	Full Surrender
18-05-2025	33	62	Full Surrender
22-05-2025	33	60	Full Surrender
23-05-2025	30	62	Full Surrender
24-05-2025	30	68	Full Surrender
25-05-2025	31	63	Full Surrender
26-05-2025	32	66	Full Surrender
27-05-2025	29	72	Full Surrender
28-05-2025	29	72	Full Surrender
29-05-2025	33	63	Full Surrender
30-05-2025	29	66	Full Surrender
31-05-2025	12	71	Full Surrender

For the month June-25

01-06-2025	21	72	Full Surrender
02-06-2025	29	70	Full Surrender
03-06-2025	30	66	Full Surrender
04-06-2025	28	68	Full Surrender
05-06-2025	30	68	Full Surrender
06-06-2025	33	64	Full Surrender
07-06-2025	30	65	Full Surrender
08-06-2025	31	66	Full Surrender
09-06-2025	29	70	Full Surrender
10-06-2025	32	65	Full Surrender
11-06-2025	30	65	Full Surrender
12-06-2025	29	69	Full Surrender

Registered Office: Office Block 1A, 5th Floor, Corporate Block, DB City Park, DB City Arera Hills, Opposite M. P. Nagar Zone – I, Bhopal(MP) – 462016, Tel.: +91-755-398 8884 Fax: +91-755-267 5190

13-06-2025	29	66	Full Surrender
14-06-2025	29	66	Full Surrender
15-06-2025	33	60	Full Surrender
16-06-2025	31	59	Full Surrender
17-06-2025	31	59	Full Surrender
18-06-2025	28	66	Full Surrender
19-06-2025	31	65	Full Surrender
20-06-2025	31	67	Full Surrender
21-06-2025	31	74	Full Surrender
22-06-2025	17	76	Full Surrender
23-06-2025	25	76	Full Surrender
24-06-2025	28	68	Full Surrender
25-06-2025	28	74	Full Surrender
26-06-2025	32	74	Full Surrender
27-06-2025	32	74	Full Surrender
28-06-2025	33	67	Full Surrender
29-06-2025	30	72	Full Surrender
30-06-2025	29	72	Full Surrender

For the month of July-25 (till date)

01-07-2025	1	96	Full Surrender
02-07-2025	1	96	Full Surrender
03-07-2025	1	96	Full Surrender
04-07-2025	1	96	Full Surrender
05-07-2025	40	68	Full Surrender
06-07-2025	32	70	Full Surrender
07-07-2025	1	96	Full Surrender
08-07-2025	1	96	Full Surrender
09-07-2025	1	96	Full Surrender
10-07-2025	1	72	Full Surrender
11-07-2025	1	58	Full Surrender
12-07-2025	1	96	Full Surrender
13-07-2025	1	96	Full Surrender
14-07-2025	34	62	Full Surrender
15-07-2025	39	61	Full Surrender
16-07-2025	35	70	Full Surrender
17-07-2025	35	66	Full Surrender
18-07-2025	41	60	Full Surrender
19-07-2025	1	96	Full Surrender

20-07-2025	37	65	Full Surrender
21-07-2025	31	66	Full Surrender
22-07-2025	31	64	Full Surrender
23-07-2025	37	64	Full Surrender
24-07-2025	1	66	Full Surrender
25-07-2025	1	73	Full Surrender
26-07-2025	1	96	Full Surrender
27-07-2025	1	96	Full Surrender
28-07-2025	1	96	Full Surrender
29-07-2025	1	96	Full Surrender

ग्रिड-इंडिया
GRID-INDIA

ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]

आज़ादी का अमृत महोत्सव

केन्द्रीय कार्यालय : 61, आई एफ सी आई टावर, 8वां और 9वां तल, नेहरु प्लेस, नई दिल्ली -110019
Corporate Office : 61, IFCI Tower, 8th & 9th Floor, Nehru Place, New Delhi - 110019
CIN : U40105DL2009GOI188682, Website : www.grid-india.in, E-mail : gridindiacc@grid-india.in, Tel.: 011- 40234672

Ref: NLDC/MO/SCED_MTL/ 169 **Date:** 4th July 2025

To,

As per distribution list

विषय: Non-payment of dues under the "NLDC: National SCED Statement for MTL Support" for month of March'25 and April'25 by the SCED Beneficiaries

सन्दर्भ: 1) CERC Approved Detailed procedure for moderating schedule up to minimum turndown level for Section 62 generators through SCED.

2) NLDC/MO/2025/ dated 13th May'2025 (NLDC: National SCED Statement for MTL support" for the month of March 2025)

3) NLDC: National SCED Statement for MTL support" for the month of April 2025 dated 4th June 2025

4) CERC (Indian Electricity Grid Code) First Amendment Regulations 2024

महोदय,

The Hon'ble Commission has approved "Detailed procedure for moderating schedule up to minimum turndown level for Section 62 generators through SCED" under IEGC First Amendment Regulations, 2024. The procedure is in effect from 24th March 2025.

In line with the detailed procedure, so far NLDC has issued two statements namely "NLDC: National SCED Statement for MTL support" for the months of March and April 2025. Details are enclosed as Annexure-1, 2 respectively. The following table indicates date of issuance of the statements and the respective due dates.

Table 1: National SCED Statement(s) for MTL Support issued by NLDC

S No.	For the Period	Date of Issuance of Statement by NLDC	Payment due date	Billed to beneficiaries (in Rs.)
1	24-03-2025 to 31-03-2025	13-05-2025	23-05-2025	6,59,04,352
2	April 2025	04-06-2025	14-06-2025	24,07,82,840

पंजीकृत कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110016
Registered Office : First Floor, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi -110016

As on 03.07.2025, for the Statements of March'25 and April'25, a total of Rs. 1.90 Cr have been received so far in the national SCED pool account out of the net payable amount of Rs. 30.66 Cr. The status of payment from beneficiaries is enclosed as Annexure-3.

In line with the approved procedure, the beneficiaries are required to pay the dues within ten (10) days of the issuance of the "National SCED Statement for MTL support" by NLDC failing which there shall be an interest liability @ 0.04% (simple interest) per day. The interest liability for defaulting beneficiaries for March 2025 and April 2025 is applicable from 24th May 2025 and 15th June 2025 respectively. The status of payment by beneficiaries for March'25 and April'25 is enclosed as Annexure-3.

Further the non-payment of dues under the 'NLDC: National SCED Statement for MTL Support' would constitute violation of the Grid Code provisions. Accordingly, you are requested to make the payments as mentioned in Annexure-3 immediately.

Sincerely yours,

(S. Usha)
Executive Director, NLDC

Enclosed:

1. Annexure-1: NLDC: National SCED Statement for MTL support" for March 2025
2. Annexure-2: NLDC: National SCED Statement for MTL support" for April 2025
3. Annexure-3: Details of Payment received for March'25 and April'25.

Distribution list

S. No.	Name	Address
1	BIHAR	Bihar State Power Holding Company Limited, 1st Floor, Vidyut Bhawan-1, Jawahar Lal Nehru Marg, Patna-800001.
2	GOA (SR)	Electricity Department, Division No: III, Curti, Ponda, GOA, PIN: 403 401
3	ANDHRA PRADESH	Dycca/B & R/AppccApTransco,VidyutSoudha,Eluru Road,Gunadala.Vijayawada:520008
4	KARNATAKA	Power Company of Karnataka Ltd., KPTCL Building, Kaveri Bhavan, Bangalore, PIN: 560 009, Karnataka State
5	TAMILNADU	7th Floor, Eastern Wing, NPKRR Maaligai, TANGEDCO, TNEB Ltd, 144 Anna Salai, Chennai, PIN: 600002, Tamil Nadu State
6	TELANGANA	Telangana State Power Coordination Committee, 4th Floor, Vidyuth Soudha, Khairatabad,PIN:500082Telangana
7	PUDU CHERRY	Electricity Department, Govt. of Puducherry, Puducherry , PIN: 605 001
8	GUJARAT GUVNL	मुख्य अभियंता (भार प्रेषण), राज्य भार प्रेषण केंद्र, गेटको (GETCO), गोत्री, वडोदरा-390021।
9	MADHYA PRADESH	मुख्य अभियंता (राज्य भार प्रेषण केंद्र), एमपीपीटीसीएल (MPPTCL), नयागांव, रामपुर, जबलपुर, 482008, मध्य प्रदेश ।

S. No.	Name	Address
10	CHATTISGARH	मुख्य अभियंता (वाणिज्यिक), छत्तीसगढ़ विद्युत वितरण कंपनी लिमिटेड (C.S. Power Distribution Company Ltd.), डांगनिया, रायपुर- 492013 I
11	Maharashtra	मुख्य अभियंता (भार प्रेषण), महाराष्ट्र स्टेट इलेक्ट्रिसिटी ट्रांसमिशन कंपनी लिमिटेड (Maharashtra State Electricity Transmission Co.Ltd.), राज्य भार प्रेषण केंद्र, कलवा, ठाणे-बेलापुर रोड, ऐरोली, नवी मुंबई - 400 708 I
12	GOA (WR)	मुख्य विद्युत अभियंता, गोवा विद्युत विभाग (Goa Electricity Department), विद्युत भवन, तीसरी मंजिल, पणजी, गोवा- 403 001 I
13	DELHI	General Manager (SLDC), Delhi Transco Ltd., SLDC Building, 33 kV Substation Building, Minto Road, New Delhi-110 002
14	UTTAR PRADESH	Chief Engineer, UP State Load Despatch Centre, Vibhuti Khand-2, Gomti Nagar, Lucknow, Uttar Pradesh-226010
15	CHANDIGARH	Chief Engineer, UT of Chandigarh (Elect. Deptt. 1st Floor), Sector 9-D, Chandigarh-160019
16	PUNJAB	Chief Engineer (SLDC), SLDC Building, Near 220KV Grid Substation, Ablowal, Patiala, Punjab-147001
17	RAJASTHAN	Chief Engineer (LD), State Load Dispatch Centre, Rajasthan Rajya Vidyut Prasaran Nigam Ltd, Ajmer Road, Heerapura, Jaipur, Rajasthan-302024
18	UTTARAKHAND	Chief Engineer (SLDC), Vidyut Bhawan, Saharanpur Road, Majra, Near ISBT, Dehradun, Uttarakhand-248001
19	HARYANA	Chief Engineer, SLDC Complex, HVPNL, Sewah, Panipat, Haryana-132108
20	ASSAM	GM (Comml), APDCL, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
21	MEGHALAYA	SE (EM), MePDCL, Lumjingshai, Short Round Road, Shillong – 793 001
22	MIZORAM	S.E. (Commercial), Department of Power, Govt. of Mizoram, Khatla, Aizawl – 796 001
23	TRIPURA	AGM (C&SO), TSECL, Agartala – 799 001

Copy to:

1) CMD, Grid-India
2) Director (SO), Grid-India
3) Executive Director, NERLDC/ NRLDC/ WRLDC/ SRLDC/ ERLDC

Format-SCED_MTL: "NLDC: National SCED Statement for MTL support"

For the period from 01-03-2025 to 31-03-2025

Date of Issue: 13-May-2025

Table1: Monthly Total SCED UP bifurcation

S. No.	Generator	Region	SCED UP Normal (MWHr) (A)	SCED UP MTL Support (MWHr) (B)	Total SCED UP (MWHr) (C = A + B)
1	BARH	ER	63924.23	0.00	63924.23
2	BARH_I	ER	62081.70	209.91	62291.61
3	BRBCL	ER	7192.83	0.00	7192.83
4	Darlipali_NTPC	ER	945.40	0.00	945.40
5	FSTPP_I_II	ER	73887.13	0.00	73887.13
6	FSTPP_III	ER	25156.13	0.00	25156.13
7	KHSTPP_I	ER	8616.32	0.00	8616.32
8	KHSTPP_II	ER	16670.16	0.00	16670.16
9	MPL	ER	5345.39	0.00	5345.39
10	MTPS_II	ER	8121.40	420.30	8541.70
11	North_Karanpura_STPS	ER	4015.84	0.00	4015.84
12	NPGC	ER	71695.30	0.00	71695.30
13	TSTPP_I	ER	9551.71	0.00	9551.71
14	BGTPP	NER	9366.65	0.00	9366.65
15	DADRIT	NR	449.77	2798.04	3247.81
16	DADRT2	NR	10868.49	0.00	10868.49
17	JHAJJAR	NR	11517.18	0.00	11517.18
18	RIHAND1	NR	3656.04	0.00	3656.04
19	RIHAND2	NR	1952.89	0.00	1952.89
20	RIHAND3	NR	2664.38	0.00	2664.38
21	SINGRAULI	NR	4130.98	0.00	4130.98
22	TANDA2	NR	35620.39	0.00	35620.39
23	UNCHAHAR1	NR	6428.66	174.54	6603.19
24	UNCHAHAR2	NR	8997.14	215.54	9212.68
25	UNCHAHAR3	NR	5336.18	0.00	5336.18
26	UNCHAHAR4	NR	13687.94	0.00	13687.94
27	KUDGI	SR	5649.61	17900.65	23550.25
28	NTPL	SR	10527.34	2062.89	12590.23
29	RSTPSU1TO6	SR	14685.33	0.00	14685.33
30	RSTPSU7	SR	2926.25	0.00	2926.25
31	SIMHST1	SR	282.52	1340.82	1623.34
32	SIMHST2	SR	5432.92	0.00	5432.92
33	TALST2	SR	8624.60	0.00	8624.60
34	TelanganaSTPP	SR	3517.16	7785.46	11302.62
35	VALLURNTECL	SR	38396.79	0.00	38396.79
36	GADARWARA	WR	56711.77	0.00	56711.77
37	KHARGONE	WR	38755.27	0.00	38755.27
38	KSTPS12	WR	3314.69	0.00	3314.69
39	KSTPS7	WR	675.56	0.00	675.56
40	LARA	WR	2376.85	0.00	2376.85
41	MOUDA1	WR	18267.33	1023.93	19291.26
42	MOUDA2	WR	17770.72	1319.92	19090.64
43	NSPCL	WR	1140.41	0.00	1140.41
44	SASAN	WR	934.77	0.00	934.77
45	SIPAT1	WR	11666.33	0.00	11666.33
46	SIPAT2	WR	4699.01	0.00	4699.01
47	SOLAPUR	WR	10611.72	0.00	10611.72
48	VSTPS1	WR	5524.48	0.00	5524.48
49	VSTPS2	WR	4025.31	0.00	4025.31
50	VSTPS3	WR	5035.67	0.00	5035.67
51	VSTPS4	WR	3613.37	0.00	3613.37
52	VSTPS5	WR	2335.94	0.00	2335.94
Total			**749381.88**	**35251.99**	**784633.86**

Table 2: Monthly Total SCED DOWN bifurcation

S. No.	Generator	Region	SCED DOWN Normal (MWHr) (D)	SCED DOWN MTL Support (MWHr) (E)	Total SCED DOWN (MWHr) (F = D + E)
1	BARH	ER	-1895.48	-324.53	-2220.01
2	BARH_I	ER	-2104.50	-316.09	-2420.59
3	BRBCL	ER	-4798.47	-1471.27	-6269.74
4	Darlipali_NTPC	ER	-194.39	0.00	-194.39
5	FSTPP_I_II	ER	-1220.42	0.00	-1220.42
6	FSTPP_III	ER	-209.69	0.00	-209.69
7	KHSTPP_I	ER	-6354.74	-1111.31	-7466.05
8	KHSTPP_II	ER	-5241.83	-2288.83	-7530.66
9	MPL	ER	-2635.17	-1763.48	-4398.65
10	MTPS_II	ER	-1129.50	-164.68	-1294.18
11	North_Karanpura_STPS	ER	-823.45	-777.25	-1600.70
12	NPGC	ER	-1714.24	-1065.93	-2780.17
13	TSTPP_I	ER	-613.02	-1202.44	-1815.46
14	BGTPP	NER	-13919.67	0.00	-13919.67
15	DADRIT	NR	-45571.49	0.00	-45571.49
16	DADRT2	NR	-46568.89	0.00	-46568.89
17	JHAJJAR	NR	-38392.15	0.00	-38392.15
18	RIHAND1	NR	-1134.85	-1989.56	-3124.41
19	RIHAND2	NR	-900.69	-2299.94	-3200.63
20	RIHAND3	NR	-494.96	-2104.35	-2599.32
21	SINGRAULI	NR	-6711.42	-4537.57	-11248.98
22	TANDA2	NR	-11827.94	-329.90	-12157.84
23	UNCHAHAR1	NR	-7662.93	-6.18	-7669.11
24	UNCHAHAR2	NR	-9805.00	-0.89	-9805.88
25	UNCHAHAR3	NR	-3975.42	0.00	-3975.42
26	UNCHAHAR4	NR	-7445.27	0.00	-7445.27
27	KUDGI	SR	-142612.46	0.00	-142612.46
28	NTPL	SR	-51783.95	0.00	-51783.95
29	RSTPSU1TO6	SR	-67268.95	-438.83	-67707.78
30	RSTPSU7	SR	-17003.91	-152.78	-17156.69
31	SIMHST1	SR	-36393.28	0.00	-36393.28
32	SIMHST2	SR	-33662.15	-392.38	-34054.54
33	TALST2	SR	-1143.16	-1946.65	-3089.81
34	TelanganaSTPP	SR	-41492.15	-537.30	-42029.45
35	VALLURNTECL	SR	-46485.89	-31.78	-46517.67
36	GADARWARA	WR	-596.50	-6.53	-603.03
37	KHARGONE	WR	-10441.12	0.00	-10441.12
38	KSTPS12	WR	0.00	0.00	0.00
39	KSTPS7	WR	0.00	0.00	0.00
40	LARA	WR	0.00	0.00	0.00
41	MOUDA1	WR	-13117.20	-1465.88	-14583.08
42	MOUDA2	WR	-15986.94	-234.04	-16220.98
43	NSPCL	WR	-2196.03	-941.88	-3137.91
44	SASAN	WR	-520.27	-896.83	-1417.10
45	SIPAT1	WR	-418.98	-918.58	-1337.56
46	SIPAT2	WR	-218.94	-289.96	-508.89
47	SOLAPUR	WR	-45701.84	0.00	-45701.84
48	VSTPS1	WR	-2241.45	-992.34	-3233.79
49	VSTPS2	WR	-1340.10	-1333.11	-2673.21
50	VSTPS3	WR	-598.32	-1058.10	-1656.42
51	VSTPS4	WR	-915.24	-1173.60	-2088.84
52	VSTPS5	WR	-822.84	-608.39	-1431.23
Total			**-756307.19**	**-35173.12**	**-791480.31**

Notes:

1. As MTL support is being provided from 24th March onwards, the cost calculation of MTL support is done for the period 24th March to 31st March 2025.

2. This statement has been prepared based on latest schedules present in WBES.

3. As per clause 7.8 of approved procedure there shall be no post-facto revision of this statement.

4. V.C. (Paisa/KWh) is as per the applicable AS-3 format for the generator.

sd/-
(Aditya Prasad Das)
General Manager
NLDC

Table 3: SCED Generator shortfall in requisition below MTL

S. No.	Region	Generator Name	Generator shortfall in requisition (MWhr)
1	ER	BARH_I	533.54
2	ER	MTPS_II	514.49
3	NR	DADRIT	3498.66
4	NR	UNCHAHAR2	492.70
5	NR	UNCHAHAR1	250.00
6	SR	KUDGI	23994.26
7	SR	TelanganaSTPP	9499.42
8	SR	SIMHST1	4909.97
9	SR	NTPL	3122.63
10	WR	MOUDA2	1884.40
11	WR	MOUDA1	1384.23
Total			**50084.27**

Table 4: Cost apportioned to the beneficiaries

Total Shortfall towards payment of SCED energy charge for MTL support through SCED (in Rs.) [S] = 6,59,04,353

S. No.	Beneficiary Name	Total shortfall in requisition (MWHr)	Apportionment of [S] (in Rs.)
1	Telangana	19589.60	₹ 2,46,04,763
2	Karnataka	11151.09	₹ 1,45,62,048
3	Tamil Nadu	9045.70	₹ 1,28,22,425
4	Gujarat	5498.34	₹ 74,06,485
5	Kerala	1680.23	₹ 21,61,121
6	Chattisgarh Including NVVN coal	778.90	₹ 11,23,576
7	Bihar	458.52	₹ 6,26,920
8	Uttar Pradesh	442.50	₹ 6,62,665
9	Odisha	408.44	₹ 5,04,758
10	Madhya Pradesh Including Rajgarh SOLAR	218.55	₹ 3,14,829
11	Rajasthan	203.77	₹ 2,82,293
12	Puducherry	159.18	₹ 2,33,556
13	Uttarakhand	142.46	₹ 2,02,402
14	Maharashtra Including NVVN coal	97.74	₹ 1,43,742
15	Assam	88.20	₹ 1,02,825
16	GOA (WR)	79.24	₹ 97,095
17	West Bengal	30.40	₹ 37,267
18	Chandigarh	10.88	₹ 14,644
19	DNHDDPDCL	0.55	₹ 938
Total		**50084.27**	**₹ 6,59,04,353**

Note: As MTL support is being provided from 24th March onwards, the cost calculation of MTL support is done for the period 24th March to 31st March 2025.

Format-SCED_MTL: "NLDC: National SCED Statement for MTL support"

For the period from 01-04-2025 to 30-04-2025

Revision: 0

Date of Issue: 04-Jun-2025

Table1: Monthly Total SCED UP bifurcation

S. No.	Generator	Region	SCED UP Normal (MWHr) (A)	SCED UP MTL Support (MWHr) (B)	Total SCED UP (MWHr) (C = A + B)
1	BARH	ER	18653.08	0.00	18653.08
2	BARH_I	ER	18126.61	44.03	18170.64
3	BRBCL	ER	1184.44	0.00	1184.44
4	Darlipali_NTPC	ER	1621.54	0.00	1621.54
5	FSTPP_I_II	ER	42435.50	0.00	42435.50
6	FSTPP_III	ER	14058.80	0.00	14058.80
7	KHSTPP_I	ER	4747.39	0.00	4747.39
8	KHSTPP_II	ER	4449.28	577.50	5026.78
9	MPL	ER	6078.64	0.00	6078.64
10	MTPS_II	ER	4808.48	0.00	4808.48
11	North_Karanpura_STPS	ER	2728.67	0.00	2728.67
12	NPGC	ER	29761.94	0.00	29761.94
13	TSTPP_I	ER	1930.43	0.00	1930.43
14	AGBPP_APM	NER	1234.53	374.94	1609.47
15	AGTCCPP_APM	NER	1287.49	122.12	1409.61
16	BGTPP	NER	4715.63	0.00	4715.63
17	ANTA_RF	NR	0.00	0.00	0.00
18	AURY_RF	NR	0.01	0.00	0.01
19	DADRI_RF	NR	0.00	0.00	0.00
20	DADRIT	NR	361.29	16808.92	17170.21
21	DADRT2	NR	10189.00	0.00	10189.00
22	JHAJJAR	NR	9359.35	98.29	9457.64
23	RIHAND1	NR	3715.40	0.00	3715.40
24	RIHAND2	NR	2223.71	0.00	2223.71
25	RIHAND3	NR	6361.66	0.00	6361.66
26	SINGRAULI	NR	3396.40	16.76	3413.16
27	TANDA2	NR	29109.37	0.00	29109.37
28	UNCHAHAR1	NR	6752.86	5970.01	12722.87
29	UNCHAHAR2	NR	5866.75	6136.74	12003.49
30	UNCHAHAR3	NR	4146.48	209.96	4356.44
31	UNCHAHAR4	NR	11346.44	307.24	11653.68
32	KUDGI	SR	4270.29	6217.28	10487.57
33	NTPL	SR	9161.44	11812.84	20974.27
34	RSTPSU1TO6	SR	19535.31	15954.89	35490.20
35	RSTPSU7	SR	5676.41	984.03	6660.44
36	SIMHST1	SR	13895.49	0.00	13895.49
37	SIMHST2	SR	11930.39	2748.33	14678.72
38	TALST2	SR	3886.05	0.00	3886.05
39	TelanganaSTPP	SR	9809.89	20680.35	30490.24
40	VALLURNTECL	SR	30675.63	2035.87	32711.50
41	GADARWARA	WR	13781.47	415.19	14196.66
42	KHARGONE	WR	18985.50	9819.16	28804.65
43	KSTPS12	WR	415.62	0.00	415.62
44	KSTPS7	WR	86.89	0.00	86.89
45	LARA	WR	827.14	0.00	827.14
46	MOUDA1	WR	6729.89	2618.34	9348.23
47	MOUDA2	WR	6087.95	2606.18	8694.12
48	NSPCL	WR	166.71	0.00	166.71
49	SASAN	WR	2092.68	0.00	2092.68
50	SIPAT1	WR	471.02	0.00	471.02
51	SIPAT2	WR	314.17	0.00	314.17
52	SOLAPUR	WR	4640.70	4558.15	9198.85
53	VSTPS1	WR	1081.00	0.00	1081.00
54	VSTPS2	WR	740.25	0.00	740.25
55	VSTPS3	WR	788.30	0.00	788.30
56	VSTPS4	WR	448.32	0.00	448.32
57	VSTPS5	WR	373.23	0.00	373.23
Total			**417522.89**	**111117.09**	**528639.98**

Table 2: Monthly Total SCED DOWN bifurcation

S. No.	Generator	Region	SCED DOWN Normal (MWHr) (D)	SCED DOWN MTL Support (MWHr) (E)	Total SCED DOWN (MWHr) (F = D + E)
1	BARH	ER	-1249.97	-642.57	-1892.54
2	BARH_I	ER	-3250.94	-844.28	-4095.22
3	BRBCL	ER	-3861.67	-1950.06	-5811.73
4	Darlipali_NTPC	ER	-103.00	-3400.48	-3503.47
5	FSTPP_I_II	ER	-844.07	-171.81	-1015.88
6	FSTPP_III	ER	-413.38	-49.50	-462.88
7	KHSTPP_I	ER	-3850.23	-853.05	-4703.28
8	KHSTPP_II	ER	-7212.60	-3301.44	-10514.04
9	MPL	ER	-1286.55	-1475.36	-2761.91
10	MTPS_II	ER	-523.93	-240.13	-764.06
11	North_Karanpura_STPS	ER	-1456.62	-6533.16	-7989.77
12	NPGC	ER	-2073.95	-1105.00	-3178.95
13	TSTPP_I	ER	-521.90	-3613.18	-4135.08
14	AGBPP_APM	NER	-3973.62	-0.07	-3973.69
15	AGTCCPP_APM	NER	-1566.68	-0.10	-1566.78
16	BGTPP	NER	-10182.39	-10.47	-10192.86
17	ANTA_RF	NR	-0.06	0.00	-0.06
18	AURY_RF	NR	-0.09	0.00	-0.09
19	DADRI_RF	NR	-196.75	0.00	-196.75
20	DADRIT	NR	-41850.63	0.00	-41850.63
21	DADRT2	NR	-19634.83	-4.46	-19639.29
22	JHAJJAR	NR	-39193.86	-7.25	-39201.11
23	RIHAND1	NR	-1692.24	-4353.79	-6046.03
24	RIHAND2	NR	-1467.17	-5359.59	-6826.75
25	RIHAND3	NR	-931.34	-4071.92	-5003.26
26	SINGRAULI	NR	-4020.58	-9399.18	-13419.76
27	TANDA2	NR	-1681.75	-88.80	-1770.55
28	UNCHAHAR1	NR	-2222.41	-25.73	-2248.14
29	UNCHAHAR2	NR	-1968.95	-14.80	-1983.75
30	UNCHAHAR3	NR	-1008.17	-5.61	-1013.78
31	UNCHAHAR4	NR	-1731.70	-19.54	-1751.24
32	KUDGI	SR	-74985.75	-28.95	-75014.70
33	NTPL	SR	-22883.39	-47.35	-22930.74
34	RSTPSU1TO6	SR	-26750.95	-143.33	-26894.28
35	RSTPSU7	SR	-4720.84	-131.26	-4852.09
36	SIMHST1	SR	-7384.84	-3.55	-7388.39
37	SIMHST2	SR	-8049.31	-200.56	-8249.87
38	TALST2	SR	-887.07	-8012.01	-8899.08
39	TelanganaSTPP	SR	-8158.06	-245.68	-8403.74
40	VALLURNTECL	SR	-23464.75	-91.69	-23556.44
41	GADARWARA	WR	-4773.91	-1603.54	-6377.45
42	KHARGONE	WR	-18658.01	-6.51	-18664.52
43	KSTPS12	WR	-730.14	-7404.83	-8134.97
44	KSTPS7	WR	-175.79	-1776.07	-1951.85
45	LARA	WR	-86.51	-4440.38	-4526.89
46	MOUDA1	WR	-6391.39	-927.95	-7319.33
47	MOUDA2	WR	-5958.60	-334.97	-6293.57
48	NSPCL	WR	-1370.40	-1484.63	-2855.03
49	SASAN	WR	-187.09	-11494.42	-11681.51
50	SIPAT1	WR	-683.30	-8298.75	-8982.05
51	SIPAT2	WR	-301.93	-2981.74	-3283.67
52	SOLAPUR	WR	-47615.57	-128.89	-47744.46
53	VSTPS1	WR	-2839.74	-4123.36	-6963.10
54	VSTPS2	WR	-1821.06	-4873.03	-6694.09
55	VSTPS3	WR	-1431.21	-5023.92	-6455.13
56	VSTPS4	WR	-2052.39	-5018.70	-7071.09
57	VSTPS5	WR	-1040.11	-2496.03	-3536.14
Total			**-433374.10**	**-118863.36**	**-552237.47**

Notes:

1. This statement has been prepared based on latest schedules present in WBES as of 28-05-2025.

2. As per clause 7.8 of approved procedure, there shall be no post-facto revision of this statement.

3. The V.C. (Paisa/KWh) is as per the applicable AS-3 format for the generator.

sd/-
(Aditya Prasad Das)
General Manager
NLDC

Table 3: SCED Generator shortfall in requisition below MTL

S. No.	Generator Name	Region	Generator shortfall in requisition (MWhr)
1	KHSTPP_II	ER	2868.83
2	BARH_I	ER	168.23
3	AGBPP_APM	NER	1291.04
4	AGTCCPP_APM	NER	334.57
5	DADRIT	NR	23753.04
6	UNCHAHAR2	NR	11395.83
7	UNCHAHAR1	NR	7511.76
8	UNCHAHAR4	NR	963.11
9	SINGRAULI	NR	570.56
10	UNCHAHAR3	NR	448.72
11	JHAJJAR	NR	266.47
12	TelanganaSTPP	SR	25053.86
13	RSTPSU1TO6	SR	22815.40
14	NTPL	SR	16383.26
15	KUDGI	SR	8468.89
16	SIMHST2	SR	6277.99
17	VALLURNTECL	SR	3310.62
18	RSTPSU7	SR	1625.16
19	KHARGONE	WR	12753.67
20	SOLAPUR	WR	5092.98
21	MOUDA1	WR	3981.87
22	MOUDA2	WR	3649.92
23	GADARWARA	WR	835.76
Total			**159821.53**

Table 4: Cost apportioned to the beneficiaries

Total Shortfall towards payment of SCED energy charge for MTL support through SCED (in Rs.) [S] = 24,07,82,839

S. No.	Beneficiary Name	Region	Total shortfall in requisition (MWHr)	Apportionment of [S] (in Rs.)
1	Odisha	ER	361.44	₹ 5,33,396
2	West Bengal	ER	101.16	₹ 1,46,357
3	Bihar	ER	0.09	₹ 130
4	Meghalaya	NER	887.64	₹ 11,20,042
5	Tripura	NER	583.73	₹ 7,40,744
6	Mizoram	NER	75.69	₹ 1,27,517
7	Assam	NER	78.56	₹ 1,03,107
8	Uttar Pradesh	NR	19011.28	₹ 2,60,35,203
9	Rajasthan	NR	15269.73	₹ 2,20,05,753
10	Uttarakhand	NR	2255.98	₹ 27,99,997
11	Chandigarh	NR	305.29	₹ 4,37,739
12	Delhi	NR	360.76	₹ 3,96,886
13	Punjab	NR	242.26	₹ 2,53,018
14	Haryana	NR	21.16	₹ 19,923
15	Telangana	SR	40697.92	₹ 5,83,25,199
16	Tamil Nadu	SR	23162.44	₹ 3,24,09,698
17	Karnataka	SR	6904.15	₹ 1,13,38,067
18	Kerala	SR	7983.69	₹ 1,12,97,189
19	Andhra Pradesh	SR	2954.25	₹ 45,23,894
20	Puducherry	SR	2756.52	₹ 39,35,834
21	GOA (SR)	SR	19.72	₹ 21,711
22	Gujarat	WR	15399.53	₹ 2,92,52,616
23	Madhya Pradesh	WR	13291.98	₹ 2,30,37,183
24	Chattisgarh	WR	3898.75	₹ 66,75,940
25	DNHDDPDCL	WR	2545.67	₹ 42,65,695
26	GOA (WR)	WR	372.38	₹ 6,10,584
27	Maharashtra	WR	279.76	₹ 3,69,418
Total			**159821.50**	**₹ 24,07,82,839**

sd/-
(Aditya Prasad Das)
General Manager
NLDC

Annexure-3

Status of payment from beneficiaries for National SCED Statement for MTL support" for March 2025 & April'25

Status as on: 03.07.2025
All amounts in Rupees

S. No.	Beneficiary Name	Region	March'25 (A)	April'25 (B)	Net payable (if not paid) (C = A + B)	Remarks
1	Maharashtra	WR	1,43,742	3,69,418	3,69,418	Paid only March'25
2	DNHDDPDCL	WR	938	42,65,695	0	Fully Paid
3	Kerala	SR	21,61,121	1,12,97,189	0	
4	Odisha	ER	5,04,758	5,33,396	0	
5	West Bengal	ER	37,267	1,46,357	0	
6	Delhi	NR	-	3,96,886	3,96,886	Yet to pay
7	Uttar Pradesh	NR	6,62,665	2,60,35,203	2,66,97,868	
8	Chandigarh	NR	14,644	4,37,739	4,52,383	
9	Punjab	NR	-	2,53,018	2,53,018	
10	Rajasthan	NR	2,82,293	2,20,05,753	2,22,88,046	
11	Uttarakhand	NR	2,02,402	27,99,997	30,02,399	
12	Haryana	NR	-	19,923	19,923	
13	Gujarat	WR	74,06,485	2,92,52,616	3,66,59,101	
14	Madhya Pradesh	WR	3,14,829	2,30,37,183	2,33,52,012	
15	Chhattisgarh	WR	11,23,576	66,75,940	77,99,516	
16	Goa (WR)	WR	97,095	6,10,584	7,07,679	
17	Goa (SR)	SR	-	21,711	21,711	
18	Andhra Pradesh	SR	-	45,23,894	45,23,894	
19	Karnataka	SR	1,45,62,048	1,13,38,067	2,59,00,115	
20	Tamil Nadu	SR	1,28,22,425	3,24,09,698	4,52,32,123	
21	Telangana	SR	2,46,04,763	5,83,25,199	8,29,29,962	
22	Puducherry	SR	2,33,556	39,35,834	41,69,390	
23	Bihar	ER	6,26,920	130	6,27,050	
24	Assam	NER	1,02,825	1,03,107	2,05,932	
25	Meghalaya	NER	-	11,20,042	11,20,042	
26	Mizoram	NER	-	1,27,517	1,27,517	
27	Tripura	NER	-	7,40,744	7,40,744	
	TOTAL		**6,59,04,352**	**24,07,82,840**		
	Received		28,47,826	1,62,42,637		
	Yet to receive		6,30,56,526	22,45,40,203		

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2025-26\April\3 Date: **28/04/2025**

To
M/s. ABREL (RJ) Projects Ltd.
Kind Attn. **Vaibhav Kapoor**
Aditya Birla Renewables Limited
(Through Email: vaibhav.kapoor@adityabirla.com*)*

Ref:
1. connectivity letter dt. 22.11.23, 314MW 22000000288
2. Mail from Renew dt. 05.03.25
3. Details 33kV SLD Submitted by ABREL(RJ)PL
4. Grid Access letter dt. 15.04.25

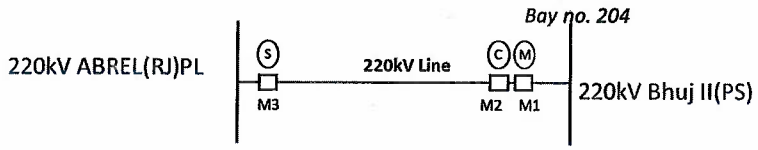
Sub: Suggested locations of IEMs for measurement of injection by ABREL (RJ) Projects Ltd. (ABREL(RJ)PL) (Captive Generating Plant) at BHUJ-II

As informed by M/s. ABREL (RJ) Projects Ltd. (ABREL(RJ)PL), 314 MW Hybrid (184 MW wind+ 130 MW Solar) Renewable Energy Park is being set up at *220/33kV ABREL(RJ)PL* substation and the power from this park will be evacuated through 220kV *ABREL(RJ)PL to BHUJ-II* Single line where 220kV bus of BHUJ-II substation is ISTS Interface point.

As per the documents submitted by M/s. ABREL(RJ)PL:

- Connectivity has been granted by CTUIL to ABREL (RJ) Projects Ltd. (ABREL(RJ)PL) **(Type of Applicant as Captive Generating Plant)** at 220kV bus of 765/400/220kV BHUJ-II for evacuation of power (314 MW Hybrid (184 MW wind+ 130 MW Solar)) though its application 22000000288 -314MW.
- Evacuation of this 314 MW power from Solar RE park shall be through 220kV *ABREL(RJ)PL to BHUJ-II* dedicated Single line only
- Details of SPDs in this RE park (as per the data provided by ABREL(RJ)PL) are
  - **Single SPD of ABREL(RJ)PL -314 MW**

SLD submitted by M/s. ABREL(RJ)PL have been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments, the suggested meter placements and metering scheme for M/s. ABREL(RJ)PL (Renewable Power Park developer) is illustrated below.



Injection by ABREL(RJ)PL= M1

As shown above, the total number of meters to be installed for computation of actual energy of ABREL(RJ)PL shall be 3 and all these meters to be installed in coordination with CTUIL.

1. **Active energy computation Method**

The actual injection from the Single SPD ABREL(RJ)PL will be computed at interface point with ISTS (i.e. BHUJ-II end) using the meter data of M1.

Further, as per the DSM Regulations 2024 & amendments thereof, the actual injection at PoI shall be separate into two components namely "Firm Injection" & "Infirm Injection". The philosophy of firm and infirm segregation during commissioning phase was deliberated in WRPC 93rd CCM held on 11.04.25, WRPC 3rd RE sub-committee held on dt. 04.04.25 and 5th Coordination with Solar and Wind energy developers Meeting held on 24.03.2025 at NLDC and the philosophy is accepted by all RE developers. As per the approved philosophy, firm and infirm separation in your case shall be done in proportionate to the Firm Capacity (COD Capacity) and Infirm Capacity (FTC Approved for Commissioning).

2. **Reactive Energy Computation:**

Reactive Energy Compensation (REC) shall be computed at PoI (at BHUJ-II). The formula for Reactive Interchange computation at PoI is given below.

Total Reactive Interchange at POI (I) is = -M1

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, **M/s. ABREL(RJ)PL** is advised to take up with CTUIL before the installation of the Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time. **M/s. ABREL(RJ)PL** shall submit meter details and CT/PT ratio in the Annexure B-4 of the first-time charging documents.

M/s. ABREL(RJ)PL shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

It may be noted that the suggested metering scheme is tentative and is issued as per the data/documents submitted by the Generator/SPD/Power Park Developer. The metering philosophy shall be finalized at the time of First Time Charging (FTC) stage subject to verification of all the relevant documents like final grant of connectivity, connection agreement, Lead Generator Agreement or QCA if any.

Yours sincerely,

Tushar. R. Mohapatra
GM (MO & RA)

तुषार रंजन महापात्र Tushar R. Mohapatra
महाप्रबंधक / General Manager
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
GRID CONTROLLER OF INDIA LIMITED
प.क्षे.भा.प्रे.के. मुंबई.-93. / W.R.L.D.C., MUMBAI.-93.

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in rshakya@powergrid.in kalpanashukla@powergrid.in	For coordination for installation of SEMs at **ABREL(RJ)PL and BHUJ-II** substation and issuance of one DCD.
3. Powergrid WR-II asharma@powergrid.in	For information.

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2025-26\April\2 Date: **28/04/2025**

To
M/s. Adani Green Energy Limited (AGEL)
Kind Attn. **Rajesh Kumar Gupta**
(Through email id: rajesh.gupta@adani.com)

Sub: Suggested locations of SEMs for measurement of injection of PSS-8 at Khavda, Gujarat of M/s. Adani Green Energy Limited (AGEL).

Ref: (Attached as Annexures)

1. CTU's Letter of grant of connectivity to AGEL for 1050MW dt. 12.01.23 and its conversion to GNA dt.22.09.23.
2. WRLDC grid Access letter dt. 23.01.25
3. Letter from AGEL dt. 08.04.25 regarding metering scheme for AGEL's 1050 MW RE park and SLD submitted by AGEL
4. Email Reference dt. 08.04.25.

Sir,

As informed by M/s. AGEL, 1050 MW hybrid RE capacity is being set up at *400/33 kV AGEL PSS-8* substation. This 1050 MW of power shall be connected at 400kV bus of 765/400kV **KPS-III** substation (ISTS Interface point). As per the documents submitted by M/s. AGEL:

- Connectivity has been granted through connectivity number- 0230700009 on 12.01.23 by CTUIL to AGEL at 400kV bus of 400/220kV KPS-III for total quantum of 1050 MW. Its conversion to GNA was given by CTU on dt.22.09.23. Evacuation of 1050 MW **(Type of Applicant as Renewable Power Park Developer)** power shall be through 400kV AGEL PSS-8 to KPS-III S/C dedicated line.

- The details of SPDs/HPDs submitted by AGEL against the connectivity quantum of 1050 MW of PSS-8 are mentioned below.

S. No.	Entity	Type of Entities	Type of RE	Capacity against Connectivity (MW)	Installed Capacity Solar (MW)	Installed Capacity Wind (MW)
	Adani Green Energy Limited (AGEL-PSS-8)	***Hybrid Power Park Developer***		1050	810	301.6
1	Adani Green Energy Twenty Five C Limited (AGE25CL) PSS-8	Solar Power Developer (SPD)	Hybrid	500	500	
2	Adani Solar Energy Jodhpur Six Private Limited (ASEJ6PL) PSS-8	Hybrid Power Developer (HPD)	Solar	60	35	62.4
3	Adani Hybrid Energy Jaisalmer Five Limited (AHEJ5L) PSS-8	Solar Power Developer (SPD)	Solar	250	250	-
4	Adani Hybrid Energy Jaisalmer Five Limited (AHEJ5L) PSS-8	Wind Power Developer (WPD)	Solar	65	-	67.6

5	Adani Renewable Energy Three Limited (ARE3L)	Hybrid Power Developer (HPD)	Solar	50	25	41.6
6	Adani Renewable Energy Forty One Limited (ARE41L)	Wind Power Developer (WPD)		125	-	130
			Total	1050	810	301.6

SLDs submitted by M/s. AGEL have been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments, the suggested meter placements and metering scheme for M/s. AGEL (Renewable Power Park developer) is illustrated in attached **Annexure A**.

As shown in the Annexure-A the total number of meters to be installed for computation of actual energy of AGEL shall be **107** and all these meters to be installed in coordination with CTUIL.

The SPD/WPD/HPD wise actual injection computation at PoI shall be done as mentioned below.

1. **Active energy computation in the absence of QCA**

The actual injection from the all SPD/WPD/HPDs from this renewable power park will be computed at PoI (i.e. KPS-III end) using the meter data of M1 and it will be further apportioned using the 33 kV meters located at each SPD/WPD/HPDs feeder to derive the SPD/WPD/HPD wise actual Injection at POI. The suggested location of the meters is hereby proposed by assuming the RE Park will come up without appointment of QCA.

Further, as per the DSM Regulations 2024 & amendments thereof, the actual injection at PoI shall be separate into two components namely "Firm Injection" & "Infirm Injection". The philosophy of firm and infirm segregation during commissioning phase was deliberated in WRPC 93rd CCM held on 11.04.25, WRPC 3rd RE sub-committee held on dt. 04.04.25 and 5th Coordination with Solar and Wind energy developers Meeting held on 24.03.2025 at NLDC and the philosophy is accepted by all RE developers. As per the approved philosophy, firm and infirm separation in your case shall be done in proportionate to the meter data of 33kV feeders.

2. **Active energy computation with QCA**

In case, the SPDs come up with the QCA, the actual injection for these SPDs will be computed at interface point with ISTS (i.e. KPS-III end) using the meter data of M1 in the name of QCA and segregation of SPD/WPD/HPD wise energy injection shall be done by the QCA.

3. **Reactive Energy Computation:**

Reactive Energy Compensation (REC) shall be computed at PoI (at KPS-III) as the voltage phenomenon is local in nature and it is not possible to apportion the reactive interchanges at PoI w.r.t. SPD/WPD/HPD wise interchanges at 33k side. Therefore, Reactive interchanges statements shall be prepared in the name of AGEL (Power Park Developer) and reactive charges shall be passed on to their SPD/WPD/HPDs as per the mutual agreed methodology. The formula for Reactive Interchange computation at PoI is given below.

Total Reactive Interchange at POI (I) is = -M1

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, **M/s. AGEL** is advised to take up with CTUIL for installation of the SEMs as proposed scheme. During the installation of the SEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time. **M/s. AGEL** shall submit meter details and CT/PT ratio in the Annexure B-4 of the first-time charging documents.

M/s. AGEL shall assign a coordinating officer and submit the contact details (mobile number and email address) of the concerned officer to WRLDC Metering team for communication related to SEM data on weekly basis. **M/s. AGEL** shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

It may be noted that the suggested metering scheme is tentative and is issued as per the data/documents submitted by the Generator/SPD/Power Park Developer. The metering philosophy shall be finalized at the time of First Time Charging (FTC) stage subject to verification of all the relevant documents like final grant of connectivity, connection agreement, Lead Generator Agreement or QCA if any.

Thanking you,

Yours sincerely,

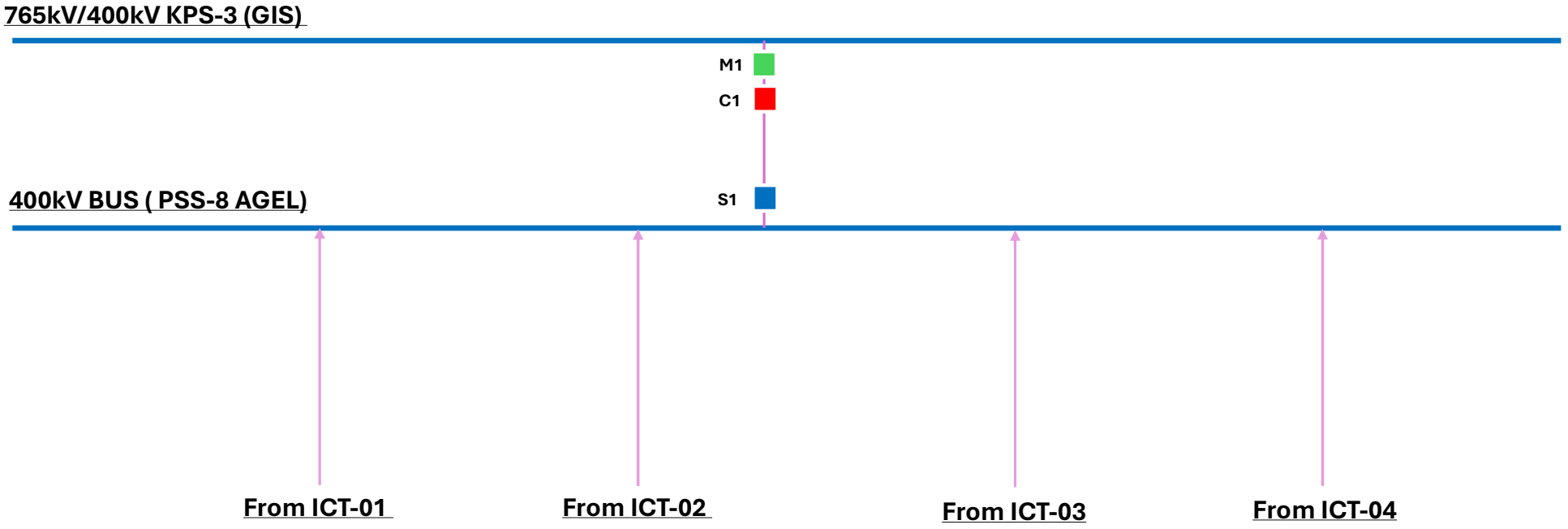
तुषार रंजन महापात्र

Tushar. R. Mohapatra
CM (MO & RA)

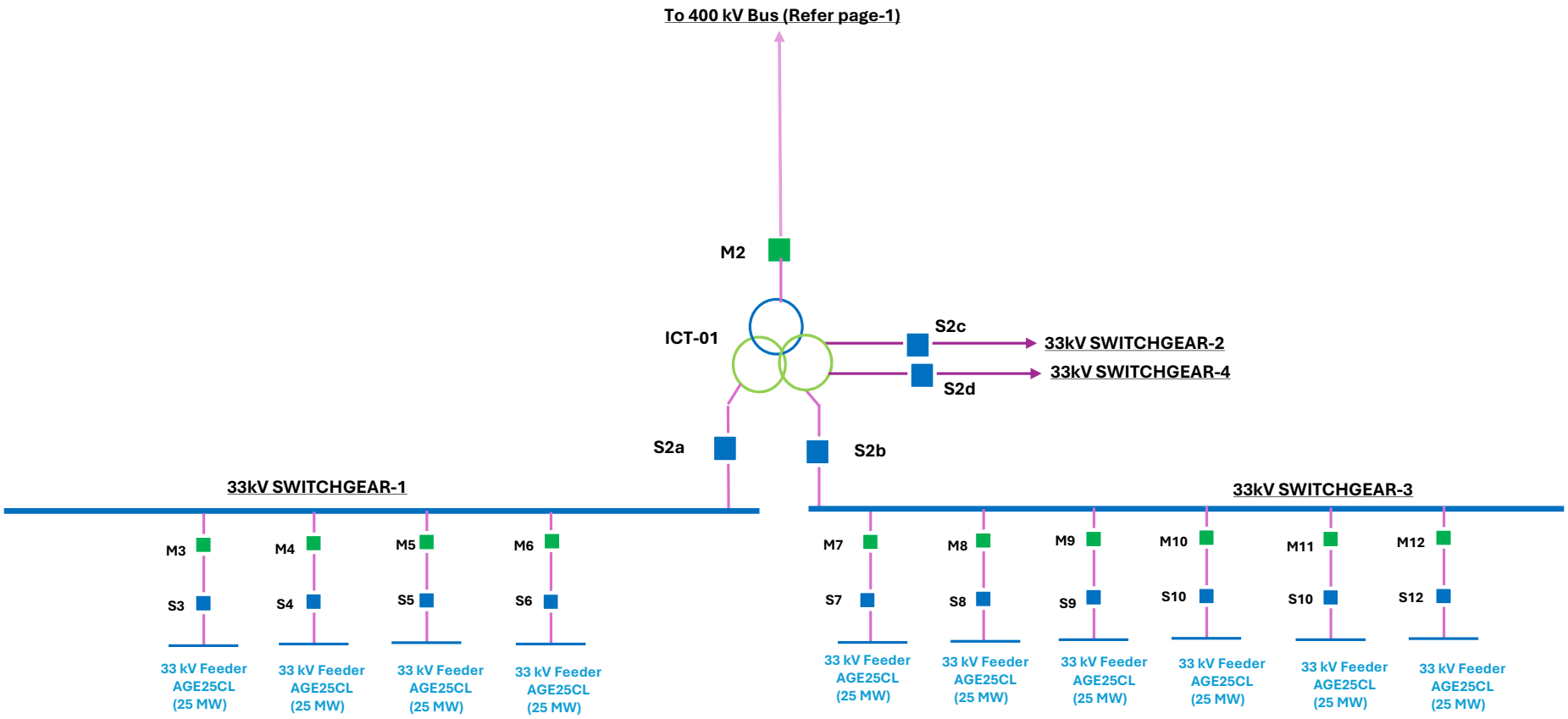
Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in kalpanashukla@powergrid.in rshakya@powergrid.in	For coordination for installation of SEMs at **AGEL** substation and issuance of one DCD.
3. Powergrid WR-II asharma@powergrid.in	For information.

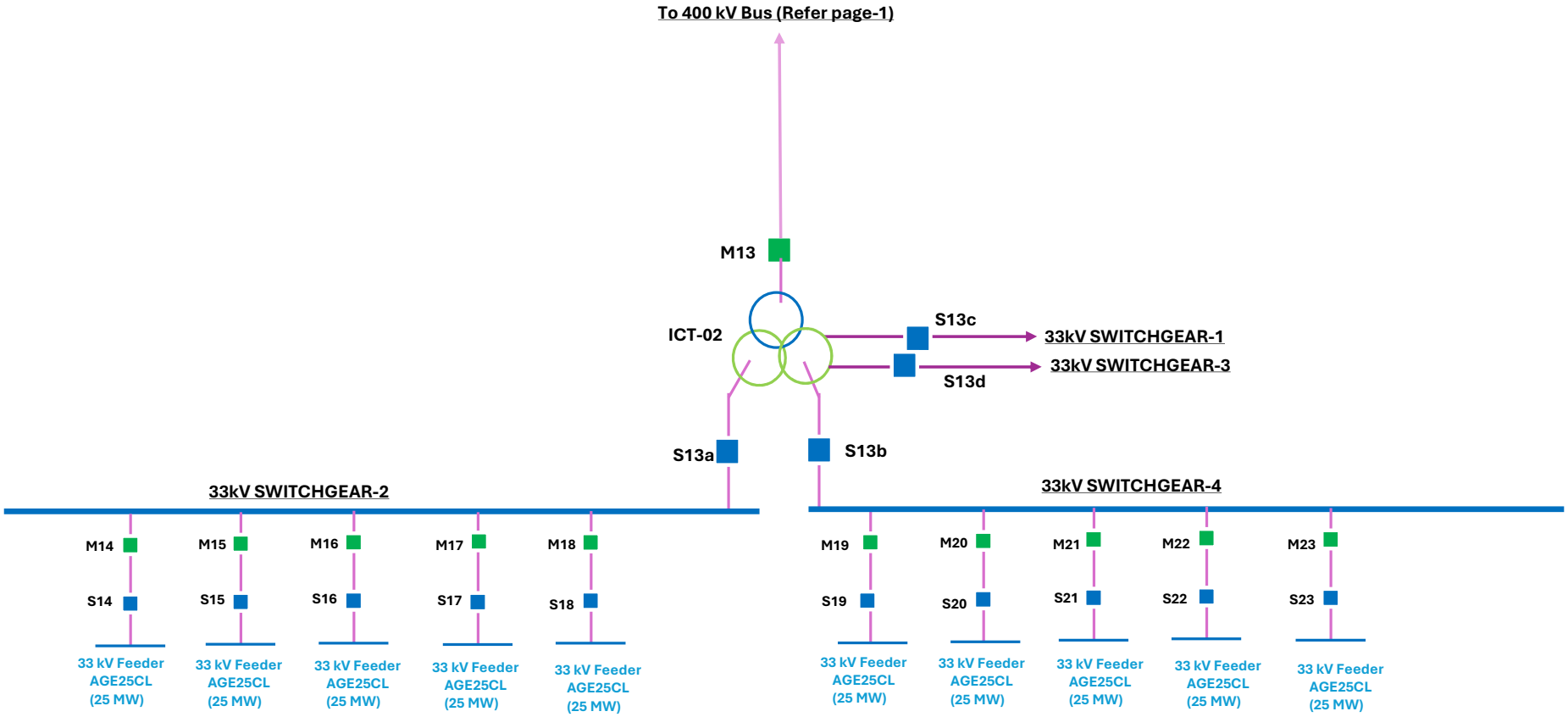
400 kV/33 kV PSS-8 AGEL_1050 MW Hybrid Project-Khavda Gujarat



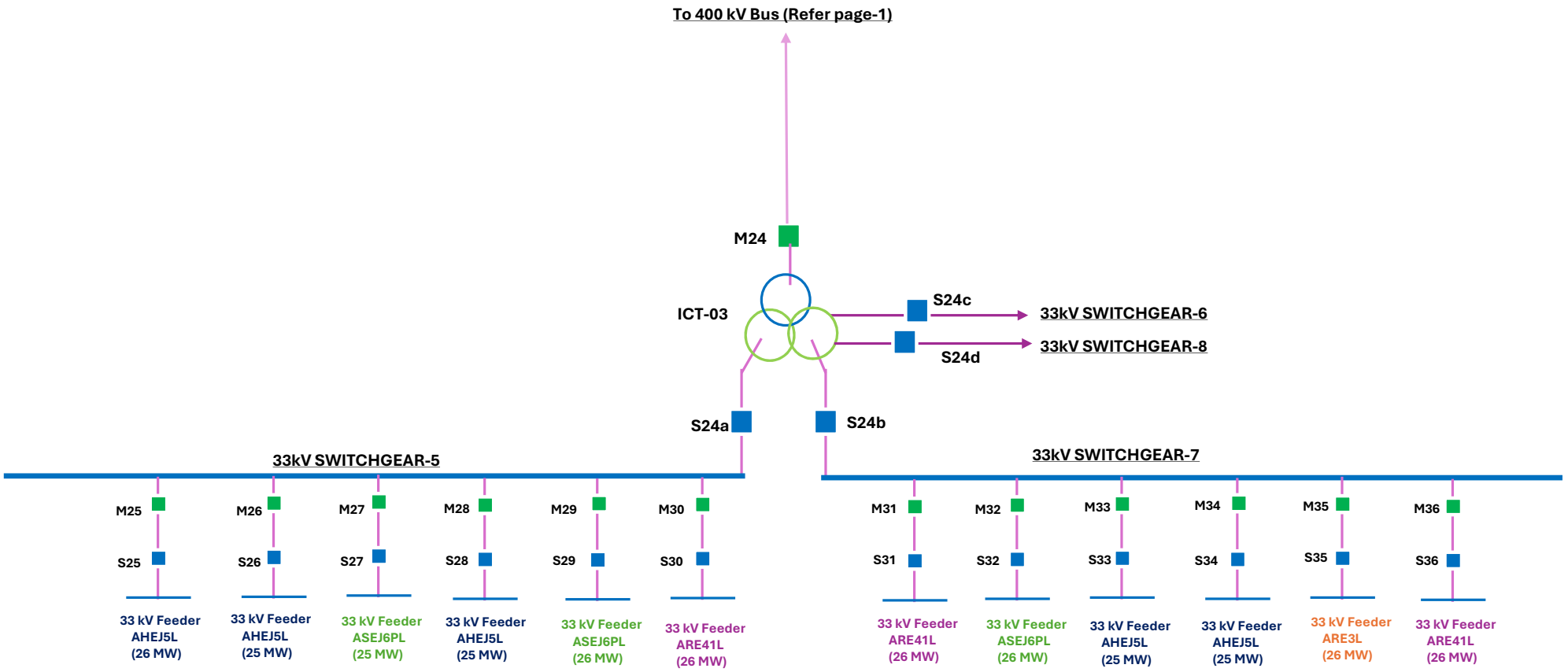
400 kV/33 kV PSS-8 AGEL_1050 MW Hybrid Project-Khavda Gujarat



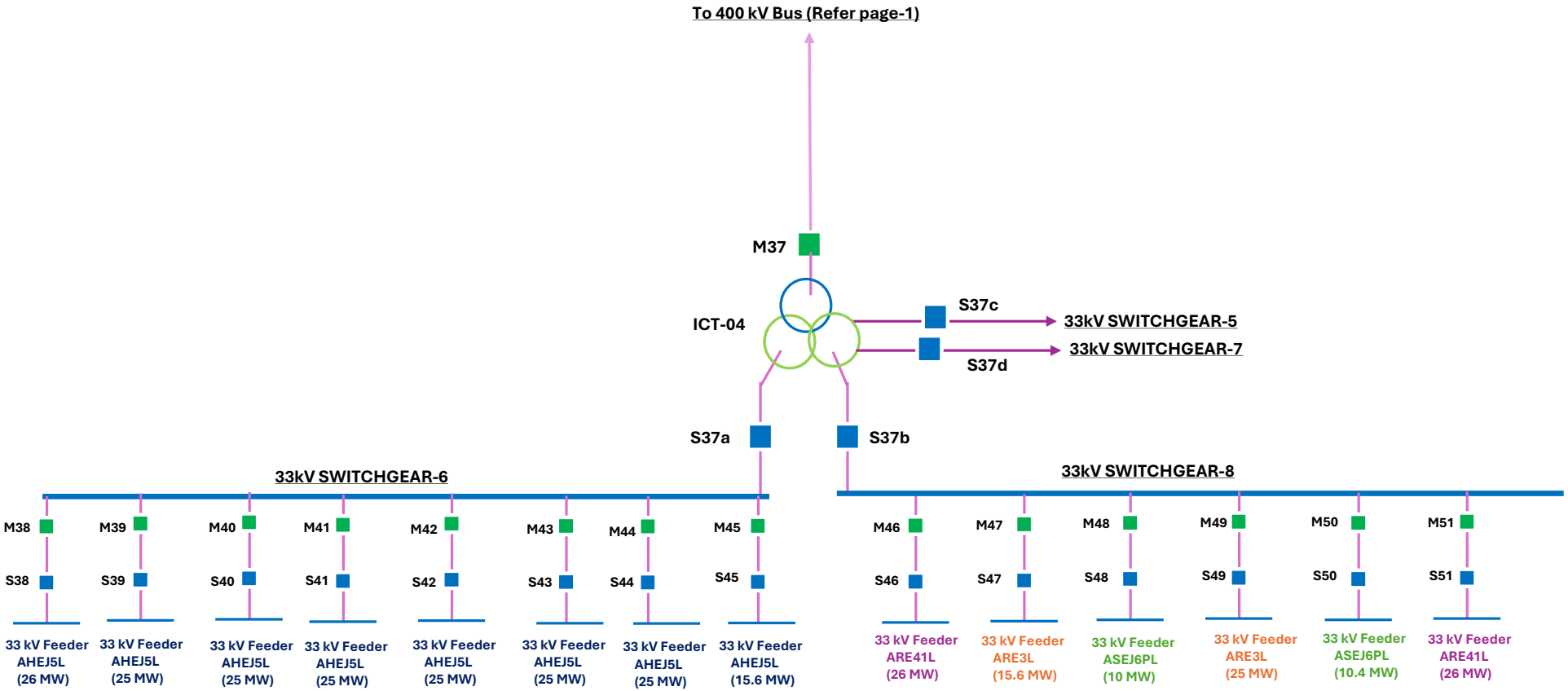
400 kV/33 kV PSS-8 AGEL_1050 MW Hybrid Project-Khavda Gujarat



400 kV/33 kV PSS-8 AGEL_1050 MW Hybrid Project-Khavda Gujarat



400 kV/33 kV PSS-8 AGEL_1050 MW Hybrid Project-Khavda Gujarat



ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2025-26\May\4

Date: **30/05/2025**

To M/s. Mouda thermal Power station Kind Attn. Sh. Pushpak Satpute Sr. Manager (Commercial) NTPC Ltd., WR-I HQ, Mumbai *(through email:* pushpaksatpute@ntpc.co.in)	**To** SLDC Maharashtra Through email (eeopr8000@mahatransco.in)

Sub: Suggested locations for installation of SEMs at Mouda (NTPC) and Mouda MSETCL for drawal of Power by Maharashtra.

Ref:

i. 93rd CCM Minutes dt.02.05.25 item no. 26.
ii. NTPC email dt. 27.05.25

Sir

The drawal of power by Maharashtra (132kV Mouda MSETCL) from NTPC Mouda is approved in 93rd CCM held on 11.04.25 and the additional energy meters are required to be installed by NTPC & MSETCL for energy accounting. As approved, ICT losses (400/132 Kv ICTs) at NTPC Mouda are to be borne by NTPC Mouda and Maharashtra in the ratio of 132 Kv drawl at NTPC Mouda and this shall be done using the meters installed on 132kV side station transformers and lines. In line with this, NOTC vide email dated 27th May 2025 has submitted that they have drawal from 132kV bus through two 132kV lines for feeding their water pums of Stage-2 along with station transformers on 132kV side.
In line with the above, the suggested meters placement is shown in Annexure-01.

Additional Meters to be installed at NTPC Mouda: **M21, M22, S21, S22, M19, M20, C19 & C20**
Meters to be installed at Mouda MSETCL: **S19 & S20**

The revised Mouda injection formula is mentioned below.

Total Loss in ICTs (L)	(M9+M10+M11)-(M12+M13+M14)
Loss in ICTs due to MSETCL Drawl (lm)	L * (M19+M20)/(M15+M16+M17+M18+M19+M20+M21+M22)
Net Injection at PoI by Mouda (A)	M1+M2+M3+M4+M19+M20 + (lm)
Mouda Stage 1 injection (B)	M5+M6-(M15+M16)
Mouda Stage 2 injection (C)	M7+M8-(M17+M18+M21+M22)
Mouda Stage 1 injection at PoI (b)	(B/B+C)*A
Mouda Stage 2 injection at PoI (c)	(C/B+C)*A

The revised Maharashtra Drawl formula is mentioned below.

Maharashtra Drawl	Existing MH drawal points + **M19+M20+ (Im)**

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2019 and clause 49.12 (a) of IEGC regulations 2023, M/s. NTPC Mouda and M/s. MSETCL Mouda is advised to take up with CTUIL before the installation of the above Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time.

M/s. NTPC Mouda and M/s. MSETCL Mouda shall submit meter details and CT/PT ratio in the Annexure B-4 of the first-time charging documents. M/s. Mouda and Maharashtra shall ensure that the IEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with the clause 49.12 (e) of IEGC regulations 2023.

As per decisions in 92nd WRPC CCM item no.7 (held on 22.10.24), CTUIL has been informed to procure meters compatible of 5 minutes and 15-minutes recording in line with approved "Technical Specifications (TS) of Interface Energy Meters, Automatic Meter Reading System and Meter Data Processing System". Therefore, NTPCL Mouda & MSETCL Mouda shall ensure to procure meters compatible with new TS in coordination with CTU/Powergrid.

Thanking you,

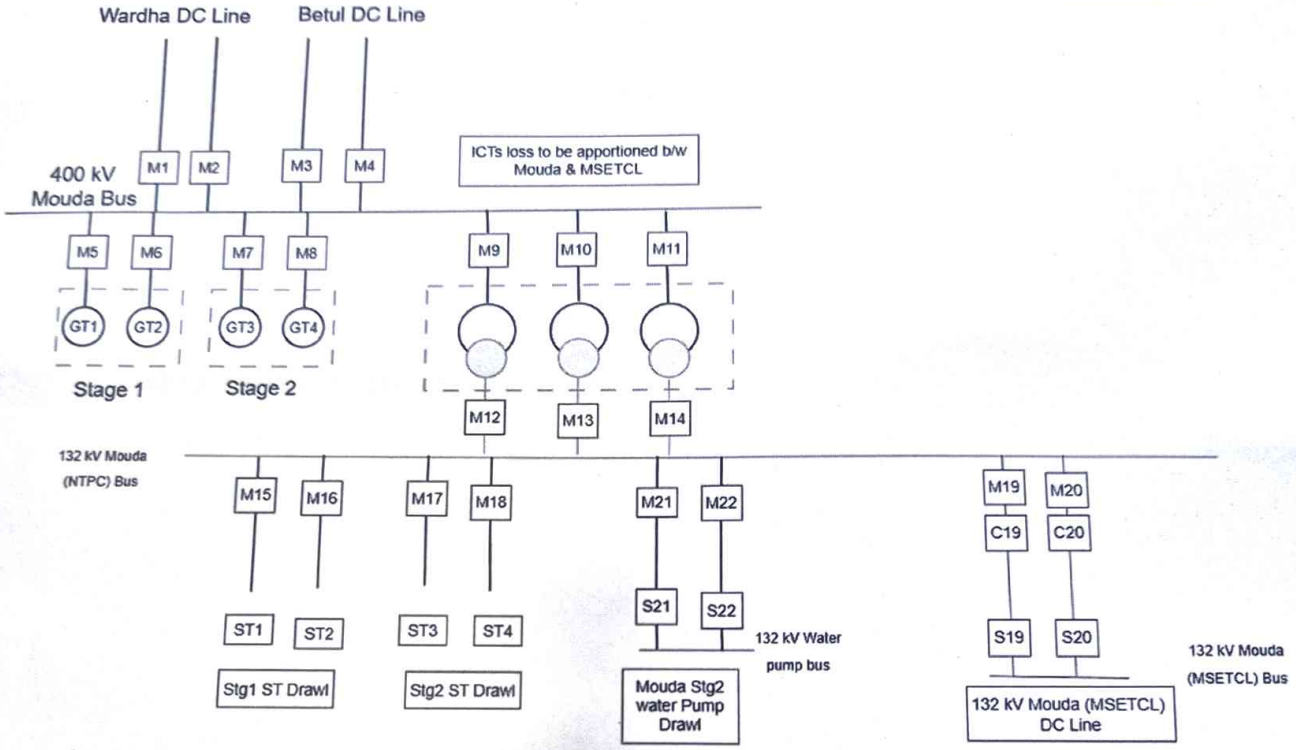
Yours sincerely,

for T. R. Mohapatra
GM (MO & RA)

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in Kalpanashukla@powergrid.in rshakya@powergrid.in	For coordination & installation of SEMs at NTPC Mouda/ MSETCL Mouda and issuance of DCDs.
3. Powergrid WR-I apvaishnao@powergrid.in	For information.
4. Maharashtra SLDC Seopr8000@mahatransco.in	For coordination with MSETCL Mouda

Annexure-01


Wardha DC Line
Betul DC Line
400 kV
Mouda Bus
M1
M2
M3
M4
ICTs loss to be apportioned b/w
Mouda & MSETCL
M5
M6
M7
M8
M9
M10
M11
GT1
GT2
GT3
GT4
Stage 1
Stage 2
M12
M13
M14
132 kV Mouda
(NTPC) Bus
M15
M16
M17
M18
M21
M22
M19
M20
C19
C20
ST1
ST2
ST3
ST4
S21
S22
S19
S20
132 kV Water
pump bus
132 kV Mouda
(MSETCL) Bus
Stg1 ST Drawl
Stg2 ST Drawl
Mouda Stg2
water Pump
Drawl
132 kV Mouda (MSETCL)
DC Line

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2024-25\March\4 Date: **18/03/2024**

To
M/s. NTPC Renewable Energy Limited
Kind Attn. **Animesh Manna**
Dy. General Manager (Engineering)
(Through Email: amanna@ntpc.co.in*)*

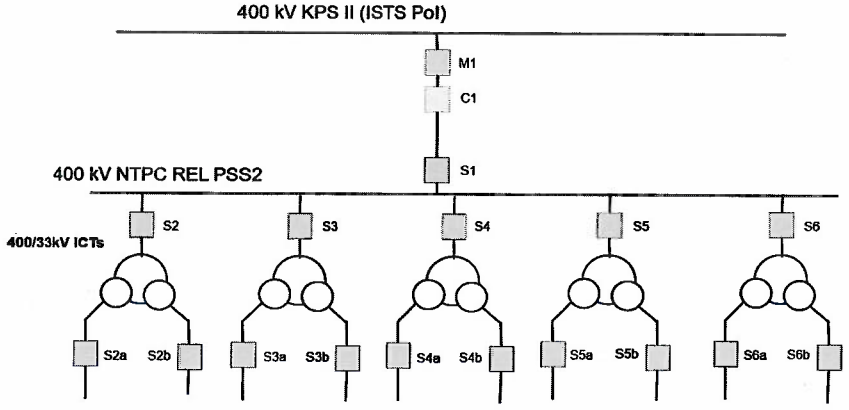
Sub: Suggested locations of IEMs for measurement of injection by NTPC Renewable Energy Limited (NTPC REL) (Renewable Power Park developer) at KPS-II

As informed by M/s. NTPC Renewable Energy Limited (NTPC REL), 1555 MW Solar Renewable Energy Park is being set up at *400/33kV NTPC REL PSS-II* substation and the power from this park will be evacuated through 400kV *NTPC REL PSS-II to KPS-II* Single line where 400kV bus of KPS-II substation is ISTS Interface point.

As per the documents submitted by M/s. NTPC REL:

- Connectivity has been granted by CTUIL to NTPC Renewable Energy Limited (NTPC REL) **(Type of Applicant as Renewable Power Park Developer)** at 400kV bus of 765/400kV KPS-II for evacuation of power (1555 MW Solar) though its application 1200003585 -265 MW (Original connectivity), 1200003733-100MW, 1200003953-890MW, 0330700007-300MW
- Evacuation of this 1555 MW power from Solar RE park shall be through 400kV *NTPC REL PSS-II to KPS-II* dedicated Single line only
- Details of SPDs in this RE park (as per the data provided by NTPC REL) are
    - **Single SPD of NTPC REL -1555 MW**

SLD submitted by M/s. NTPC REL have been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments, the suggested meter placements and metering scheme for M/s. NTPC REL (Renewable Power Park developer) is illustrated below.



As shown above, the total number of meters to be installed for computation of actual energy of NTPC REL shall be **18** and all these meters to be installed in coordination with CTUIL.

1. Active energy computation Method

The actual injection from the Single SPD NTPC REL will be computed at interface point with ISTS (i.e. KPS-II end) using the meter data of M1.

Further, the metering infrastructure is not available at 33 kV end NTPC as intimated by NTPC REL and the segregation of firm and infirm injection at PoI with ISTS shall be done in proportionate to the Firm Capacity (COD Capacity) and Infirm Capacity (FTC Approved for Commissioning) during commissioning and NTPC REL has agreed for segregation w.r.t. Capacity through email confirmation dt.05.03.25

2. Reactive Energy Computation:

Reactive Energy Compensation (REC) shall be computed at PoI (at KPS-II). The formula for Reactive Interchange computation at PoI is given below.

Total Reactive Interchange at POI (I) is = -M1

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, **M/s. NTPC REL** is advised to take up with CTUIL before the installation of the Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time. **M/s. NTPC REL** shall submit meter details and CT/PT ratio in the Annexure B-4 of the first-time charging documents.

M/s. NTPC REL shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

Yours sincerely,

तुषार रंजन मोहापात्र

Tushar. R. Mohapatra
GM (MO & RA)

तुषार रंजन मोहापात्रा/Tushar Ranjan Mohapatra
महाप्रबंधक / General Manager
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
GRID CONTROLLER OF INDIA LIMITED
प.क्षे.भा.प्रे.के. मुंबई.-93. / W.R.L.D.C., MUMBAI.-93

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in rshakya@powergrid.in kalpanashukla@powergrid.in	For coordination for installation of SEMs at **NTPC REL and KPS-II** substation and issuance of one DCD.
3. Powergrid WR-II asharma@powergrid.in	For information.

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2025-26\May\5 Date: **30/05/25**

To
M/s. Oyster Green Wind One Pvt Ltd (OGH1PL)
Kind Attn. Sh. Rohit Hadpe
(through email: rohit.hadpe@oysterrenewables.com)

Sub: Suggested locations of SEMs for measurement of injection by Oyster Green Wind One Pvt Ltd (OGH1PL)

Ref: a) Mail from OGH1PL dt. 02.05.25
b) Lead generator Agreement dt. 22.03.24
c) SLD submitted by OGH1PL
d) Final grant of connectivity issued by CTUIL to OGH1PL dt. 07.04.25

Sir/Madam,

As informed by **M/s. Oyster Green Wind One Pvt Ltd (OGH1PL)**, 99 MW Wind Power Project is being set up 220kV Nani Virani PSS(existing station). Power from this project will be evacuated through shared **220kV Nani Virani PSS** to **Bhuj (PS)** D/c lines where 220kV bus of Bhuj substation is ISTS interface point.

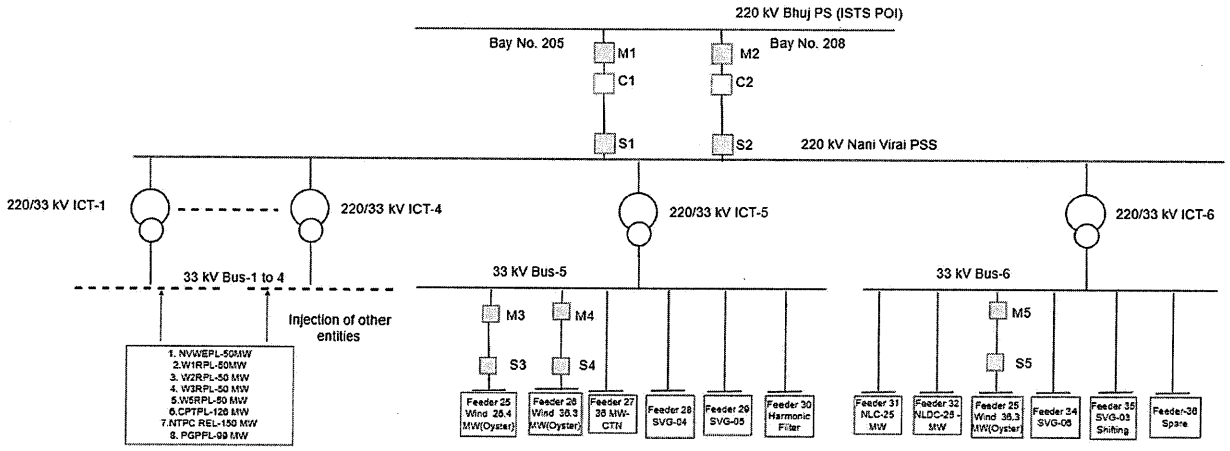
As per the documents submitted by i.e. **M/s. OGH1PL**:

- Connectivity (2200000783) has been granted by CTUIL to Oyster Green Wind One Pvt Ltd (OGH1PL) as **Captive Generating Station** for 99 MW Wind.
- The evacuation of this 99 MW power from Wind Power project shall be through existing 220kV Nani Virai PSS to Bhuj double ckt line.
- As per the Sharing Agreement executed among these RE Generators (OGH1PL, NVWEPL), NVWEPL has been designated as the "Lead Generator".
- Details of new WPD is mentioned below apart from exiting generators.

S.No.	Name of RE Generator	Capacity
1	Oyster Green Wind One Pvt Ltd(OGH1PL)	99 MW(Wind)
	Total	**99 MW**

SLD submitted by the **M/s. OGH1PL** has been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments, the suggested meter placements in view of addition of M/S OGH1PL in already existing plant of M/S NVWEPL is given below:

Suggested Meters Placement and Metering Scheme for M/s. OGH1PL



The meters M1,M2, C1,C2 and S1,S2 are already in place and Meters M3, M4, M5 and S3, S4 and S5 are to be installed in coordination with CTU. The proposed meters shall be used for verification of captive status by RLDC in line with CEA "Procedure for Verification of Captive Status of such Generating Plant, where Captive Generating Plant And its Captive User(S) located in more than one State"

Suggested Energy Accounting Philosophy for the Project:

- M/s **NVWEPL** is acting as the lead generator for existing entities and same will be continued for M/s. OGH1PL also as per the agreement.
- In line with the provisions of IEGC 2023, M/s. **Nani Virani Wind Energy Pvt Ltd (NVWEPL) which is a "Lead Generator"** shall coordinate the scheduling, operational coordination and deviation settlement. Therefore, M/s. **NVWEPL** will be responsible to coordinate and facilitate scheduling of power with WRLDC, to undertake commercial settlement of Regulatory Accounts like DSM, RTDA, REC, Congestion etc.
- M/s. **NVWEPL** shall be responsible for bifurcation of all regulatory accounts among its SPD/WPD/HPDs (M/s. NVWEPL, M/S OGH1PL and other generators) as per mutual agreement.
- WRLDC will facilitate the Schedules of M/s. NVWEPL, M/s. OGH1PL and Other Generators with separate PPA wise tagging at Point of Interface (PoI) with ISTS and same can be accessed through WBES Software.
- All the Regulatory Accounts like DSM, REC, RTDA, Congestion etc. shall be prepared in the name of M/s **NVWEPL** as a single Regional Entity with the aggregated schedules at PoI (i.e. Bhuj S/s) and Actual Injection at PoI.
- Further, M/s. OGH1PL may install the meters on 220kV/33kV side of the internal network for internal bifurcation of actual injection for internal use.

Further, as per the DSM Regulations 2024 & amendments thereof, the actual injection at PoI shall be separated into two components namely "Firm Injection" & "Infirm Injection" during commissioning stage. The philosophy of firm and infirm segregation during commissioning phase was deliberated in WRPC 93rd CCM held on 11.04.25, WRPC 3rd RE sub-committee held on dt. 04.04.25 and 5th Coordination with Solar and Wind energy developers Meeting held on 24.03.2025 at NLDC and is accepted by all RE developers. As per the approved philosophy, firm and infirm separation in your case shall be done in proportionate to the Firm Capacity (COD Capacity) and Infirm Capacity (FTC Approved for Commissioning).

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, **M/s. OGH1PL** is advised to take up with CTUIL before the installation of the Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time. **M/s. OGH1PL** shall submit meter details and CT/PT ratio in the Annexure A-5 and Annexure B-4 of the first-time charging documents.

M/s. OGH1PL shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

It may be noted that the suggested metering scheme is as per the data/documents submitted by the Generator/SPD/Power Park Developer. The metering philosophy shall be finalized at the time of First Time Charging (FTC) stage subject to verification of all the relevant documents like final grant of connectivity, connection agreement, Lead Generator Agreement or QCA if any.

As per the minutes of 92nd WRPC CCM item no.7 (held on 22.10.24) - "MS WRPC directed CTUIL to procure meters as per the new AMR TS so that in the new AMR project implementation, these meters will not require replacement again and it will also help in integrating SEM with SCADA network." So you're requested to procure meter compatible with new AMR TS and is compatible with both 15 and 5 minute format in coordination with CTU/Powergrid.

Thanking you,

Yours sincerely,

for

T. R. Mohapatra
GM (MO & RA)

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in Kalpanashukla@powergrid.in rshakya@powergrid.in	For coordination for installation of SEMs at OGH1PL and issuance of one DCD.
3. Powergrid WR-II asharma@powergrid.in	For information.

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC\Metering\2025-26\April\1 Date: **28/04/2025**

To
M/s Renew Urja Shachar Pvt ltd. (RUSPL),
Kind Attn. Ravi Kant Sharma, DGM, Infrastructure Development

Sub: Suggestion on locations of IEMs for measurement of injection by Renew Urja Shachar Pvt ltd. (RUSPL) as lead generator at 400 kV Indore PS.

Ref:

a) connectivity letter dt. (RUSPL)-19.01.24, 300MW (2200000070) and RSUPL 22.03.24-2200000298(300 MW)
b) Sharing agreement dt. 03.01.24
c) Mail from Renew dt. 14.02.25
d) Details 33kV SLD Submitted by Renew
e) Grid Access letter dt. 15.04.25

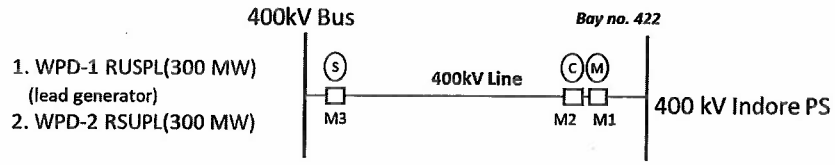
Sir,

As informed by M/s. Renew Urja Shachar Pvt ltd. (RUSPL), 600 MW (300+300) Solar project is being set up by them at 400kV RUSPL substation and this 600MW of power shall be connected at 400kV bus of 400/400kV Indore PS pooling substation (ISTS Interface point). As per the documents submitted by M/s. RUSPL:

- Connectivity has been granted by CTUIL to Renew Urja Shachar Pvt ltd. (RUSPL) for 300 MW and Renew Samir Urja Pvt Ltd (RSUPL)for 300 MW at 400kV bus of 400/400kV Indore PS.
- Evacuation of 600MW power shall be through 400kV RSUPL – Indore PS double circuit dedicated lines.
- 600MW solar generation at 33kV level shall be through 2 no. of WPDs namely:
  a) **WPD-1** - Renew Urja Shachar Pvt ltd. (RUSPL)- 300MW (2200000070) Original
  b) **WPD-2** – Renew Samir Urja Private Limited (RSUPL)-300MW (2200000298)

M/s. **RUSPL** has requested approval for Interface metering arrangement for energy accounting of RUSPL.

SLDs submitted by the lead generator **M/s. RUSPL** has been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments thereof, the suggested Metering scheme is given below:



Injection by RUSPL(Lead Generator) = M1

Sr. No.	Element	Location	Meter Type	Remarks
1	400kV RUSPL - Indore PS line-1	Indore PS	Main (M1)	To be installed
2	400kV RUSPL - Indore PS line-1	Indore PS	Check(C1)	
3	400kV RUSPL - Indore PS line-1	RUSPL	Standby(S1)	

Suggested Energy Accounting Philosophy for the project:

- In line with the provisions of IEGC 2023, M/s. **Renew Urja Shachar Pvt ltd. (RUSPL) which is a "Lead Generator"** shall coordinate the scheduling, operational coordination and deviation settlement. Therefore, M/s. **RUSPL** will be responsible to coordinate and facilitate scheduling of power with WRLDC, to undertake commercial settlement of Regulatory Accounts like DSM, RTDA, REC, Congestion etc.
- M/s **RUSPL** shall be responsible for bifurcation of all regulatory payments Accounts among its SPDs (M/s. RUSPL, M/s. RSUPL) as per Agreement. The copy of agreements with other SPDs/SPDs shall be submitted to WRLDC by M/s **RUSPL**.
- WRLDC will facilitate the Schedules of M/s. RUSPL and M/s. RSUPL with separate PPA wise tagging at Point of Interface (PoI) with ISTS and same can be accessed through WBES Software. Also, PPA wise schedule quantum with separate tagging will be shown in WRPC in monthly Regional energy account (REA).
- All the Regulatory Accounts like DSM, REC, RTDA, Congestion etc. shall be prepared in the name of M/s **RUSPL** as a single Regional Entity with the aggregated schedules at PoI (i.e. Indore PS S/s) and Actual Injection at PoI. **M/s. RUSPL** shall be responsible for dealing all operational and commercial matters including settlement of all Regulatory pool accounts with WRLDC.
- Further, M/s. RUSPL and M/s. RSUPL shall use the meters on 22kV/33kV side of the internal network for their internal bifurcation of actual injection among these SPDs/SPVs.

Further, as per the DSM Regulations 2024 & amendments thereof, the actual injection at PoI shall be separate into two components namely "Firm Injection" & "Infirm Injection". The philosophy of firm and infirm segregation during commissioning phase was deliberated in WRPC 93rd CCM held on 11.04.25, WRPC 3rd RE sub-committee held on dt. 04.04.25 and 5th Coordination with Solar and Wind energy developers Meeting held on 24.03.2025 at NLDC and the philosophy is accepted by all RE developers. As per the approved philosophy, firm and infirm separation in your case shall be done in proportionate to the Firm Capacity (COD Capacity) and Infirm Capacity (FTC Approved for Commissioning).

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 3006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, M/s. **RUSPL** is advised to take up with CTUIL before the installation of the Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is

synchronized with IST/GPS time. M/s. **RUSPL** shall submit meter details and CT/PT ratio in the Annexure B-4 of the first-time charging documents.

Further, for the computation of actual injection of SPVs **Renew Urja Shachar Pvt ltd.(RUSPL), Renew Samir Urja Pvt Ltd (RSUPL)** at the ISTS interface point, appropriate metering arrangement may be made by M/s. **RUSPL** at 33kV level.

M/s. **RUSPL** shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

Thanking you,

Yours sincerely,

तुषार रंजन महापात्र

Tushar. R. Mohapatra

GM (MO & RA)

तुषार रंजन महापात्र / Tushar Ranjan Mohapatra
महाप्रबंधक / General Manager
ग्रिड कंट्रोलर ऑफ इंडिया लि. / GRID CONTROLLER OF INDIA LTD.
प.क्षे.भा.प्रे.के., मुंबई / W.R.L.D.C., MUMBAI

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in
2. CTUIL: nutan@powergrid.in,
   jana.sangita@powergrid.in,
   Kalpanashukla@powergrid.in
   rshakya@powergrid.in

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

Date: **21/05/25**

WRLDC\Metering\2025-26\May\3

To
M/s. A SolerCraft Power India 7 Pvt Ltd (SPI7PL)
Kind Attn. Sh. Manish Verma- VP(Regulatory)
(through email: rishi.chandak@blupineenergy.com)

Sub: Suggested locations of SEMs for measurement of injection by SolerCraft Power India 7 Pvt Ltd (SPI7PL) as "Lead Generator" at Solapur(PS)

Ref: a) Mail from SPI7PL dt 07.05.25
b) Lead generator Agreement ft. 23.07.24
c) SLD submitted by SPI7PL
d) Connectivity Issued to SPI20PL, SPI16PL and SPI7PL
e) Grid Access letter dt. 07.05.25

As informed by **M/s. SolerCraft Power India 7 Pvt Ltd(SPI7PL)**, 400 MW Hybrid Power Project along with M/s. SolerCraft Power India 16 Pvt Ltd (SPI16PL) and M/s. SolerCraft Power India 20 Pvt Ltd (SPI20PL) is being set up at 220/33kV **SPI7 PSS** substation and the power from this project will be evacuated through shared **220kV SPI7 PSS** to **Solapur (PS)** Single line where 220kV bus of Solapur substation is ISTS Interface point.

As per the documents submitted by the "Lead Generator" i.e. **M/s. SPI7PL**:

- Connectivity has been granted by CTUIL to SolerCraft Power India 7 Pvt Ltd (SPI7PL) as Generating Station for 150 MW Wind, SolerCraft Power India 16 Pvt Ltd (SPI16PL) for 185 MW hybrid with BESS and SPI20PL for 65 MW hybrid with BESS.
- The evacuation of this 400 MW power from Hybrid Power project shall be through 220kV SPI7 PSS to Solapur dedicated single line only.
- As per the Sharing Agreement executed among these RE Generators (SPI7PL, SPI16PL & SPI20PL), SPI7PL has been designated as the "Lead Generator".
- SPD/WPD/HPDs wise details are as mentioned below.

S.No.	Name of RE Generator	Capacity
1	SolerCraft Power India 7 Pvt Ltd (SPI7PL)	150 MW(Wind)
2	SolerCraft Power India 16 Pvt Ltd (SPI16PL)	185 MW (Hybrid with BESS)
3	SPI20PL	65 MW (Hybrid with BESS)
	Total	**400 MW**

SLD submitted by the "Lead Generator" (**M/s. SPI7PL)** has been analysed and in line with the Central Electricity Authority (Installation and Operation of Meters) Regulations 2006 and its amendments, the suggested meter placements and metering scheme for complete project with **M/s. SPI7PL** as "Lead Generator" is illustrated below.

Suggested Meter Placement and Metering Scheme for M/s. SPI7PL (Hybrid) as "Lead Generator":

The suggested meter placements for computation of actual injection by M/s. SPI7PL (hybrid) as "Lead Generator" on behalf of SPI7PL, SPI16PL & SPI20PL in Annexure-01. As per the suggested scheme, the total number of meters required to be installed is 16.

Suggested Energy Accounting Philosophy for the project:

- The actual injection by M/s. **SPI7PL** (hybrid) as "Lead Generator" will be computed at interface point with ISTS (i.e. **Solapur** end) using the meter data of **M1.** Active Energy and Reactive energy report shall be prepared in the name of SPI7PL.
- In line with the provisions of IEGC 2023, M/s. **SolerCraft Power India 7 Pvt Ltd (SPI7PL) which is a "Lead Generator"** shall coordinate the scheduling, operational coordination and deviation settlement. Therefore, M/s. **SPI7PL** will be responsible to coordinate and facilitate scheduling of power with WRLDC, to undertake commercial settlement of Regulatory Accounts like DSM, RTDA, REC, Congestion etc.
- M/s. **SPI7PL** shall be responsible for bifurcation of all regulatory accounts among its SPD/WPD/HPDs (M/s. SPI7PL, M/s. SPI16PL and M/s. SPI20PL) as per mutual agreement. The copy of agreements with other SPDs/WPDs shall be submitted to WRLDC by M/s **SPI7PL**.
- WRLDC will facilitate the Schedules of M/s. SPI7PL, M/s. SPI16PL and M/s. SPI20PL with separate PPA wise tagging at Point of Interface (PoI) with ISTS and same can be accessed through WBES Software. Also, PPA wise schedule quantum with separate tagging will be shown in WRPC in monthly Regional energy account (REA).
- All the Regulatory Accounts like DSM, REC, RTDA, Congestion etc. shall be prepared in the name of M/s **SPI7PL** as a single Regional Entity with the aggregated schedules at PoI (i.e. Solapur S/s) and Actual Injection at PoI.
- Further, M/s. SPI7PL, M/s. SPI16PL and M/s. SPI20PL may install the meters on 220kV/33kV side of the internal network for internal bifurcation of actual injection among themselves.

Further, as per the DSM Regulations 2024 & amendments thereof, the actual injection at PoI shall be separate into two components namely "Firm Injection" & "Infirm Injection". The philosophy of firm and infirm segregation during commissioning phase was deliberated in WRPC 93rd CCM held on 11.04.25, WRPC 3rd RE sub-committee held on dt. 04.04.25 and 5th Coordination with Solar and Wind energy developers Meeting held on 24.03.2025 at NLDC and the philosophy is accepted by all RE developers. As per the approved philosophy, firm and infirm separation in your case shall be done in proportionate to the Firm Capacity (COD Capacity) and Infirm Capacity (FTC Approved for Commissioning).

As per clause 7.1.a (iii) of Central Electricity Authority (Installation and Operation of meters) Regulations 2006 and its amendments thereof and clause 49.12 (a) of IEGC regulations 2023, **M/s. SPI7PL** is advised to take up with CTUIL before the installation of the Interface metering scheme. During the installation of the IEMs, it shall be ensured that the meter clock is synchronized with IST/GPS time. **M/s. SPI7PL** shall submit meter details and CT/PT ratio in the Annexure A-5 and Annexure B-4 of the first-time charging documents.

M/s. SPI7PL shall ensure that the SEM data is downloaded every week and forwarded to WRLDC by 12:00 hrs of Tuesday in line with clause 49.12 (e) of IEGC Regulations 2023 for energy accounting purpose.

It may be noted that the suggested metering scheme is as per the data/documents submitted by the Generator/SPD/Power Park Developer. The metering philosophy shall be finalized at the time of First Time Charging (FTC) stage subject to verification of all the relevant documents like final grant of connectivity, connection agreement, Lead Generator Agreement or QCA if any.

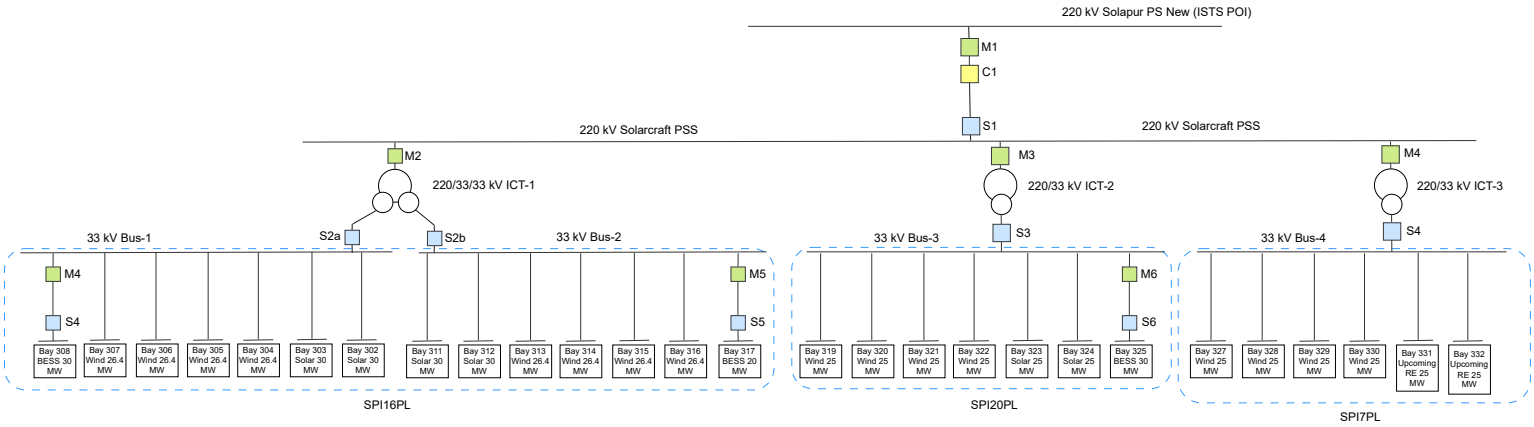
Thanking you,

Yours sincerely,

तुषार 2ंत्त महापात्र
Tushar. R. Mohapatra
GM (MO & RA)

Copy through email:

1. WRPC Commercial: comml-wrpc@nic.in	For information.
2. CTUIL: nutan@powergrid.in Kalpanashukla@powergrid.in rshakya@powergrid.in	For coordination for installation of SEMs at SPI7 PSS and ~~Bhuj~~ Solapur (PS) and issuance of one DCD.
3. Powergrid WR-II asharma@powergrid.in	For information.


220 kV Solapur PS New (ISTS POI)
M1
C1
S1
220 kV Solarcraft PSS
220 kV Solarcraft PSS
M2
220/33/33 kV ICT-1
M3
220/33 kV ICT-2
M4
220/33 kV ICT-3
33 kV Bus-1
S2a
S2b
33 kV Bus-2
S3
33 kV Bus-3
S4
33 kV Bus-4
M4
S4
Bay 308 BESS 30 MW
Bay 307 Wind 26.4 MW
Bay 306 Wind 26.4 MW
Bay 305 Wind 26.4 MW
Bay 304 Wind 26.4 MW
Bay 303 Solar 30 MW
Bay 302 Solar 30 MW
Bay 311 Solar 30 MW
Bay 312 Solar 30 MW
Bay 313 Wind 26.4 MW
Bay 314 Wind 26.4 MW
Bay 315 Wind 26.4 MW
Bay 316 Wind 26.4 MW
Bay 317 BESS 20 MW
M5
S5
SPI16PL
Bay 319 Wind 25 MW
Bay 320 Wind 25 MW
Bay 321 Wind 25 MW
Bay 322 Wind 25 MW
Bay 323 Solar 25 MW
Bay 324 Solar 25 MW
Bay 325 BESS 30 MW
M6
S6
SPI20PL
Bay 327 Wind 25 MW
Bay 328 Wind 25 MW
Bay 329 Wind 25 MW
Bay 330 Wind 25 MW
Bay 331 Upcoming RE 25 MW
Bay 332 Upcoming RE 25 MW
SPI7PL

Addition of new utilities and revision of drawal / injection formula due to addition of new elements from 03.03.25-15.06.25

Following Changes were intimated with weekly Annexure reg. Addition of new utilities and revision of drawal / injection formula due to addition of new transmission elements from 03.03.25-15.06.25. Same has been mentioned below for intimation in the CCM and noting.

1. 400kV AGEL PSS-5 to KPS 1 line was first time synchronized with the grid on 04.03.25. This line carries the generation of AGEL PSS-5 Renewable Power park consisting following SPD/WPD/HPD.

S. No.	**Entity**	**Type of Entities**	**Type of RE**	**Capacity against Connectivity (MW)**	**Installed Capacity (MW)**
	Adani Green Energy Limited (AGEL-PSS-5)	***Hybrid Power Park Developer***		**1650**	1828
1	Adani Hybrid Energy Jaisalmer Five Limited - PSS-5 (AHEJ5L)	Hybrid Power Developer (SPD)	Hybrid	600	Solar: 570 MW Wind: 202.8 MW
2	Adani Renewable Energy Forty Five Limited – PSS-5 (ARE45L)	Solar Power Developer (SPD)	Solar	250	250
3	Adani Ports & Special Economic Zone Limited - PSS-5 (APSEZ)	Solar Power Developer (SPD)	Solar	75	75
4	Adani Renewable Energy Fifty Five Limited – PSS - 5 (ARE55L)	Solar Power Developer (SPD)	Solar	516	516
5	Adani Green Energy Twenty Four Limited (AGE24L)– PSS-5	Solar Power Developer (SPD)	Solar	150	150
6	To be decided			59	Solar: 59 MW Wind: 5.2 MW
			Total	**1650**	**Solar1620MW + Wind 208MW**

The actual injection from the all SPDs from this renewable power park will be computed at interface point with ISTS (i.e. KPS-I end) using the meter data of AZ-01(NS-2392-A) and it will be further apportioned using the 33 kV meters located at each SPD feeder to derive the SPD vise actual Injection at POI.
Meters details are given below:

Location ID	Meter Number	CTR	PTR	Meter type	Feeder detail
AZ-01	NS-2392-A	3000	3636.3636	Main	400 kV AGEL PSS5 at KPS1
AZ-02	NS-2395-A	3000	3636.3636	Check	400 kV AGEL PSS5 at KPS1
AZ-03	NS-2398-A	3000	3636.3636	Standby	400 kV KPS1 at AGEL PSS5

Accordingly active report of AGEL PSS4, .KD11 csv report is prepared. Column wise detail of report are given below:

Column no.	Description	Short ID
A	Time Block	Time Block
B	400 kV AGEL PSS5 line at KPS1	AZ-01
C	AHEJ5L_PSS5 Infirm Injection	KD-41
D	AHEJ5L_PSS5 firm Injection	KD-42
E	ARE45L_PSS5 Infirm Injection	KD-43
F	ARE45L_PSS5 firm Injection	KD-44
G	APSEZ_PSS5 Infirm Injection	KD-45
H	APSEZ_PSS5 firm Injection	KD-46
I	ARE55L_PSS5 Infirm Injection	KD-47
J	ARE55L_PSS5 firm Injection	KD-48
K	AGE24AL_PSS5 Infirm Injection	KD-49
L	AGE24AL_PSS5 firm Injection	KD-50
M	Upcoming_PSS5 Infirm Injection	KD-51
N	Upcoming_PSS5 firm Injection	KD-52
O	AGEL PSS5 Total Injection	(KD-97)

2. 220kV Talettutayi(Unit-8 Shajapur solar park) to Pachora line was first time charged on 03.03.25. This line carries the generation of Talettutayi(Unit-8 Shajapur solar park). Meters details are given below/

Location ID	Meter Number	CTR	PTR	Meter type	Feeder detail
PA-14	NS-2394-A	1600	2000.0000	Main	220kV Talettutayi(Unit-8 Shajapur solar park) at Pachora
PA-15	NS-2405-A	1600	2000.0000	Check	220kV Talettutayi(Unit-8 Shajapur solar park) at Pachora
PA-16	NS-2391-A	1600	2000.0000	Standby	220kV Pachora line at Talettutayi(Unit-8 Shajapur solar park)

The actual injection will be calculated using the meter data of PA-14(NS-2394-A).

Accordingly active report of Talettutayi(Unit-8 Shajapur solar park), .TL1 csv report is prepared. Column wise detail of report are given below:

Column no.	**Description**	**Short ID**
A	Time Block	Time Block
B	220kV Talettutayi(Unit-8 Shajapur solar park) at Pachora	PA-14
C	ADJUSTMENT VALUES	RE-80
D	Shajapur unit-8 (Talettutayi) Infirm Injection	TL-81
E	Shajapur unit-8 (Talettutayi) firm Injection	TL-82

F	Shajapur unit-8 (Talettutayi) Total INJECTION	TL-91

3. NTPC REL Bulary Unit-6 has charged addition 50 MW generation on 27.02.25. This generation is infirm as COD has not been declared. Accordingly report .NL1 has modified and firm and infirm generation of NTPC REL Bulary Unit-6 is seperated

Column no.	Description	Short ID
A	Time Block	Time Block
B	220kV Dehripal (NTPC REL unit-7) at Pachora (Main meter)	PA-12
C	ADJUSTMENT VALUES	RE-80
D	Net Injection of NTPC REL Dehripal unit-7	DL-91
E	Net Infirm Injection of NTPC REL Dehripal unit-6	BY-90
F	Net firm Injection of NTPC REL Dehripal unit-6	BY-91
G	Net Injection of NTPC REL Unit-6 & Unit-7 at 220 kV Pachora	NL-91

4. FTC of 400 kV Kurud (Dhanmantri) – Raipur line-1 & Line-2 done on 22-03-25. Accordingly drawl of these lines are added in Chhattisgarh active report (CS1.csv) at column no AM & AN.

   In Chhattisgarh reactive report(CS2.csv), reactive high and low reading from line 1 is added in BR and BS column and Reactive high and low reading from line 2 is added in BT and BU column.

5. As per the IEGC 2023 provisions, following two new QCAs are registered at WRLDC w.e.f. 17.03.25. Accordingly, the total injection of all RE generators coming under the single QCA is shown in a single report in the name of the QCA. Also the reactive accounting reports for these generator is also shown in the name of QCA as mentioned below.

S. No.	ISTS PS	QCA WBES Acronym	Effective Date	REGS Name	220 kV S/S	Capacity (MW)	Old Active report	Old Reactive Report	New Active Report	New Reactive report
1	BHUJ I	MANIKARAN_BHUJ1_QCA	17.03.2025	Green Infra Wind Energy limited SECI-I (GIWEL_SECI_II)	Vadva	250	GI1	GI3	QC1	QC2
				Green Infra Wind Energy limited SECI-II (GIWEL_SECI_III)	Naranpar	300	GI2	GI4		
				Adani Wind Energy Kutchh One Limited (AWEK1L)	Ratadiya	175	AG1	AG2		
				Adani Wind Energy Kutchh	Ratadiya	250				

				Three Limited (AWEKTL)						
				Adani Wind Energy Kutchh Five Limited (AWEKFL)	Ratadiya	130				
				Renew Wind Energy AP2 Limited (RWE_AP2_SECI_III)	Gadasisha	300	GH1	GH2		
2	BHUJ II	MANIKARAN_BHUJ2_QCA	17.03.2025	Adani Wind Energy Kutch Four Limited (AWEK4L_DEDYA_BHUJ2_W)	Nakhtrana & Dediya	300	NK1	NK2	QC3	QC4
				Morjar Windfarm Development Pvt Ltd (SRIJAN_MORJAR_BHJ2_W)	Morjar	149	MJ1	MJ2		

6. FTC of 400 kV Banaskantha Shakari(Veloda) line-3 & Line-4 is done on 30-03-25. Main meter are located at Shakari(Veloda) end. Accordingly drawl of these lines are added in Gujarat active report (GU.csv) at column no CW & CX.

   In Gujarat reactive report(GU2.csv), reactive high and low reading from line 3 is added in GR and GS column and Reactive high and low reading from line 4 is added in GT and GU column.

7. As per the IEGC 2023 provisions, following 1 new QCAs are registered at WRLDC w.e.f. 24.03.25. Accordingly, the total injection of all RE generators coming under the single QCA is shown in a single report in the name of the QCA. Also the reactive accounting reports for these generator is also shown in the name of QCA as mentioned below.

S.No.	**ISTS PS**	**QCA WBES Acronym**	**Effective Date**	**REGS Name**	**400 kV S/S**	**Capacity (MW)**	**Old Active report**	**Old Reactive Report**	**New Active Report**	**New Reactive report**
1	Khavda PS-I	AREH5L_KHAVDAPS1_QCA	24.03.2025	Adani Renewable Energy Holding Four Limited (AREH4L_PSS1_KPS1_SF)	PSS-1	1000	KD1	KD2	QC5	QC6
				Adani Green Energy Twenty-Five B Limited (AGE25BL_PSS2_KPS1_S)	PSS-2	538	KD3	KD4		
				Adani Green Energy Twenty-Six B Limited (AGE26BL_PSS2_KPS1_S)		167				
				Adani Green Energy Twenty-Five A Limited		500				

				(AGE25AL_PSS2_ KPS1_S)						

8. AGEL PSS4 (KD11) has declared its COD of SPDs on 30.03.25.

1	Adani Renewable Energy Fifty Six Limited (ARE56L) - AGEL Khavda PSS4
2	Ambuja Cements Limited (ACL) - AGEL Khavda PSS4
3	Adani Green Energy Twenty Four Limited (AGE24L) - AGEL Khavda PSS4
4	Adani Renewable Energy Forty One Limited (ARE41L) - AGEL Khavda PSS4

Accordingly, As per minutes of 89th CCM, its reactive report KD12 has been prepared. Reactive high and low drawal by 400 kV AGEL PSS4 line at KPS1 is added in B and C column

9. Tertiary drawal of upcoming KPS2 ICT-4 has been added in CY column. Gujarat active drawal is mentioned in CZ column.

10. AGEL PSS10 report **KD15**.csv has been prepared after its line AGEL PSS10 to KPS1 synch for the first time 25.03.25. reports of column is as below:

Column	**Discription**
A	TIME @5
B	400 kV AGEL SRPL Khavda PSS10 line at KPS1
C	AGE26AL_PSS10_KPS1_S Infirm Injection
D	AGE26AL_PSS10_KPS1_S firm Injection
E	AGE26BL_PSS10_KPS1_H Infirm Injection
F	AGE26BL_PSS10_KPS1_H firm Injection
G	AGE24L_PSS10_KPS1_S Infirm Injection
H	AGE24L_PSS10_KPS1_S firm Injection
I	ARE56L_PSS10_KPS1_S Infirm Injection
J	ARE56L_PSS10_KPS1_S firm Injection
K	AGEL SRPL Khavda PSS10 Total Injection

Kindly Note: As first SPD to charge its 33kV feeder is ARE56L_PSS10. So All Infirm drawal/injection has been added in I column (ARE56L_PSS10_KPS1_S Infirm Injection). If the sign is negative, it means SPD/WPD is drawing the power and accordingly infirm drawl charges should be applied as per DSM. If the sign is positive, then it means SPD/WPD is injecting the infirm power. DSM rules for the infirm power injection to be applied.

11. **In AGEL PSS5, SPD AHEJ5L** has declared its COD on 31.03.25.So as per minutes of 89th CCM, its reactive report KD14 has been prepared. Reactive high and low drawal by 400 kV AGEL PSS5 line at KPS1 is added in B and C column

12. As NTPC REL, which is under lead generator Inox/Nani Virani charged its 90 MW additional capacity on 28.03.25. firm and infirm bifurcation using declared capacity has been done. Infirm injection is added in D column; firm injection is added in E column of IX1.csv report. Please incorporate. Report IX1 column details are given below:

Column	Discription

A	TIME @5
B	220kV Bhuj Dayapar Line-I
C	220kV Bhuj Dayapar Line-II
D	INOX/Nani Virani Infirm Injection
E	INOX/Nani Virani firm Injection
F	ADJUSTMENT VALUES
G	INOX/Nani Virani Injection

13. In KD9.csv report for RE park AGEL PSS13, infirm schedule of ARE57L is added in G column has been added for the infirm power which is scheduled by the generator, accordingly DSM rates should be applied.

14. GIPCL PSS1 first time charged its line 400kV GIPCL PSS1 to KPS2. Accordingly its report KD19 has been prepared.

Column No.	**Name of column**
A	TIME @5
B	400 kV GIPCL PSS1 line at KPS2
C	GIPCL_PSS1_KPS2_S Infirm Injection
D	GIPCL_PSS1_KPS2_S firm Injection
E	GIPCL PSS1 KPS2 Total (Firm + Infirm) Injection

15. SRPL PSS-10 has declared its COD on 26.04.25. According to 89th CCM its reactive report KD16 has been prepared. Kindly consider it.

16. New QCA MANIKARAN_PACHORA_QCA has been incorporated from 19.05.25. It contains generation of Beempow Energy Private Limited (Active report- AD2 reactive report AD4) and Avaada Sunshine Energy Private Limited(Active report AD1 and reactive report- AD3). Their respective reports are discontinued and combined active report **QC7** and reactive report **QC8.**

ISTS PS	**QCA WBES Acronym**	**Effective Date**	**REGS Name**	**WBES Acronym**	**220 kV S/S**	**Capacity (MW)**
Pachora	MANIKARAN_PACHORA_QCA	19.05.2025	Beempow Energy Private Limited	BEEMPOW_AGAR_RUMS_S	Beempow	350
			Avaada Sunshine Energy Private Limited	AVAADA_AGAR_RUMS_S	Avaada	200

17. AGEL PSS3 generator is included in existing QCA AREH5L_KHAVDAPS1_QCA from 19.05.25. Its active report KD5 and reactive report KD6 are not be used now. Its generation is included in active energy report QC5 and reactive report QC6.

ISTS PS	**QCA WBES Acronym**	**Effective Date**	**REGS Name**	**WBES Acronym**	**220 kV S/S**	**Capacity (MW)**
Khavda PS-I	AREH5L_KHAVDAPS1_QCA	24.03.2025	Adani Renewable Energy Holding Four Limited	AREH4L_PSS1_KPS1_SF	PSS-1	1000
			Adani Green Energy Twenty-Five B Limited	AGE25BL_PSS2_KPS1_S	PSS-2	538
			Adani Green Energy Twenty-Six B Limited	AGE26BL_PSS2_KPS1_S		167

			Adani Green Energy Twenty-Five A Limited	AGE25AL_PSS2_KPS1_S		500
		19.05.2025	Ambuja Cements Limited	ACL_PSS3_KPS1_S	PSS-3	200
			Adani Green Energy Twenty Four A Limited	AGE24AL_PSS3_KPS1_S		400
			Adani Green Energy Twenty Six A Limited	AGE26AL_PSS3_KPS1_S		500
			Adani Ports And Special Economic Zone Limited	APSEZ_PSS3_KPS1_S		200
			Adani Renewable Energy Forty One Limited	ARE41L_PSS3_KPS1_W		250
			Adani Renewable Energy Fifty Five Limited (25MW Hybrid Solar Of 25MW Of 187.5MW HPD)	ARE55L_PSS3_KPS1_HS		25
			Adani Renewable Energy Fifty Five Limited (20.8MW Hybrid Wind Of 25MW Of 187.5MW HPD)	ARE55L_PSS3_KPS1_HW		
			Adani Renewable Energy Fifty Five Limited (162.5MW Hybrid Solar Of 187.5MW HPD)	ARE55L_PSS3_KPS1_S		162.5

18. 220kV Xeldem(GED)- Xeldem(GTTPL) line-1 and 2 has started the power flow from week 26.05.25. So Xeldem ICT-1 and 2 has been added in Goa drawal as all the drawal in 220kV Xeldem(GTTPL) is for Goa state. As 220kV Xeldem(GED)-Xeldem(GTTPL) line-1 and 2 are ISTS lines, its loss is reduced from Goa drawal. Goa report has been changed as below.

Goa active report column	**Description**
H	400/220 kV Xeldem ICT-1
I	400/220 kV Xeldem ICT-2
J	220 kV Xeldem (GTTPL) - Xeldem (GED) ISTS DC line Loss
K	NET DRAWAL BY HOA (IN MWH)

Following elements are also added in Goa reactive report(GO2.csv)

Goa reactive report column	**Description**
L	400/220 kV Xeldem ICT-1#(XE-05)#H
M	400/220 kV Xeldem ICT-1#(XE-05)#L
N	400/220 kV Xeldem ICT-2#(XE-06)#H
O	400/220 kV Xeldem ICT-2#(XE-06)#L

19. 400 kV Jaypore- Jagdalpur line-1 and 2 was charged 07.06.25. Main Meter for Chattisgarh is at Jagdalpur side. Main Meter for ER is at Jaypore side. According Chattisgarh active (CH1), Chattisgarh Reactive (CH2) and ER active (ER1) has been prepared.

20. RE Generators connected to 400/33 kV AGEL Khavda PSS4 and 400/33 kV AGEL Khavda PSS13 are added in AREH5L_KHAVDAPS1_QCA w.e.f date 02.06.25. Their individual active and reactive reports are not to be considered.

QCA	**Effective Date**	**RE Generators**
		Adani Renewable Energy Holding Four Limited

AREH5L_KHAVDAPS1_QCA	24.03.2025	Adani Green Energy Twenty-Five B Limited
		Adani Green Energy Twenty-Six B Limited
		Adani Green Energy Twenty-Five A Limited
	19.05.2025	Ambuja Cements Limited
		Adani Green Energy Twenty Four A Limited
		Adani Green Energy Twenty Six A Limited
		Adani Ports And Special Economic Zone Limited
		Adani Renewable Energy Forty One Limited
		Adani Renewable Energy Fifty Five Limited (25MW Hybrid Solar Of 25MW Of 187.5MW HPD)
		Adani Renewable Energy Fifty Five Limited (20.8MW Hybrid Wind Of 25MW Of 187.5MW HPD)
		Adani Renewable Energy Fifty Five Limited (162.5MW Hybrid Solar Of 187.5MW HPD)
	02.06.2025	AMBUJA CEMENTS LIMITED_PSS4_Hybrid Wind
		AMBUJA CEMENTS LIMITED_PSS4_Hybrid Solar
		ADANI GREEN ENERGY TWENTY FOUR LIMITED_PSS4
		ADANI HYBRID ENERGY JAISALMER FIVE LIMITED_PSS4
		Adani Ports and Special Economic Zone Limited_PSS4_Hybrid Wind
		Adani Ports and Special Economic Zone Limited_PSS4_Hybrid Solar
		ADANI RENEWABLE ENERGY FORTY ONE LIMITED_PSS4
		ADANI RENEWABLE ENERGY FIFTY SIX LIMITED_PSS4
		ADANI RENEWABLE ENERGY FORTY ONE LIMITED_PSS13
		ADANI RENEWABLE ENERGY FIFTY SEVEN LIMITED_PSS13

Interface Energy Meter Discrepancies from 10.03.25-08.06.25

a. 220kV Bhuvad line-1 at Bhachau

The energy meter (NR-3346-A) data of 220kV Bhuvad line-1 at Bhachau was replaced with standby meter (WR-2195-A) data from period 10.03.25 to 16.03.25 as the main meter were (L&T make) data unavailable.

b. 400kV side of Vindhyachal(PS) CKT-III at VSTPS-IV

The energy meter (NP-5592-A) data 400kV side of Vindhyachal(PS) CKT-III at VSTPS-IV was replaced with standby meter (NP-5597-A) data from period 10.03.25 to 04.05.25 as the main meter (Elster make) found faulty.

c. 220kV Dayapar line-1 at Bhuj(PG)

The energy meter (NR-3355-A) data 220kV Dayapar line-1 at Bhuj(PG) was replaced with standby meter (WR-2276-A) data from period 10.03.25 to 08.06.25 as the main meter (L&T make) data unavailable.

d. 220kV side of SUT-4 at KAPS 3&4

The energy meter (NP-5515-A) data 220kV side of SUT-4 at KAPS 3&4 was replaced with Calculated using Bus Summation Method from period 10.03.25 to 23.03.25 as the Both Main & Standby Faulty.

e. 220kV Auraiya line-1 at Malanpur

The energy meter (WR-2303-A) data 400kV 220kV Auraiya line-1 at Malanpur was replaced with standby meter (NP-1513-A) data from period 10.03.25 to 06.04.25 as the main meter (L&T make) found faulty.

f. 400kV Akola line-2 at Wardha

The energy meter (NP-6758-A) data 400kV 400kV Akola line-2 at Wardha was replaced with standby meter (NP-6268-A) data from period 10.03.25 to 13.04.25 as the main meter (L&T make) found faulty.

g. 220kV Navsari line-1 at Reliance life science

The energy meter (WR-2510-A) data of 220kV Navsari line-1 at Reliance life science was replaced with standby meter (NP-4171-A) data from period 10.03.25 to 16.03.25 & 31.03.25 to 25.05.25,02.06.25 To 08.06.25 as the main meter were Erroneous reading.

h. 400kV Raipur line-1 at NSPCL

The energy meter (NP-6252-A) data 400kV Raipur line-1 at NSPCL was replaced with standby meter (WR-2582-A) data from period 10.03.25 to 16.03.25 as the main meter (Secure make) was found faulty.

i. 400kV Raipur line-1 at NSPCL

The energy meter (NP-6237-A) data 400kV Raipur line-2 at NSPCL was replaced with standby meter (WR-2592-A) data from period 10.03.25 to 16.03.25 as the main meter (Secure make) was found faulty.

j. 400kV Boisar line at Padghe MH

The energy meter (NP-2463-A) data 400kV Boisar line at Padghe MH was replaced with standby meter (NP-2222-A) data from period 24.03.25 to 30.03.25 as the main meter (Secure make) data unavailable.

k. 400kV Taps 3&4 line-1 at Padghe MH

The energy meter (NP-2123-A) data 400kV Taps 3&4 line-1 at Padghe MH was replaced with standby meter (NP-2296-A) data from period 24.03.25 to 30.03.25 as the main meter (Secure make) data unavailable.

l. 400kV Taps 3&4 line-1 at Padghe MH

The energy meter (NP-2267-A) data kV Taps 3&4 line-2 at Padghe MH was replaced with standby meter (NP-2394-A) data from period 24.03.25 to 30.03.25 as the main meter (Secure make) data unavailable.

m. 220kV Gandhar line at Jhagadia

The energy meter (NP-5425-A) data of 220kV Gandhar line at Jhagadia was replaced with standby meter (NR-3945-A) data from period 24.03.25 to 30.03.25 as the main meter (Elster make) were Erroneous reading.

n. 220kV Talettutayi (Unit-8 Shajapur solar park) at Pachora

The energy meter (NS-2394-A) data of 220kV Talettutayi (Unit-8 Shajapur solar park) at Pachora was replaced with standby meter (NS-2391-A) data from period 24.03.25 to 06.04.25 as the main meter (Secure make) were Erroneous reading.

o. 400kV JABALPUR line-3 at Vindhyachal STPS

The energy meter (NP-2129-A) data of 400kV JABALPUR line-3 at Vindhyachal STPS was replaced with standby meter (NP-2314-A) data from period 24.03.25 to 06.04.25 as the main meter (Secure make) were Erroneous reading.

p. 400kV Rajgarh line at Chhegaon

The energy meter (WR-2324-A) data 400kV Rajgarh line at Chhegaon was replaced with standby meter (NP-6343-A) data from period 07.04.25 to 13.04.25 as the main meter (L&T make) data unavailable.

q. 400kV Khandwa line at Chhegaon

The energy meter (WR-2323-A) data 400kV Khandwa line at Chhegaon was replaced with standby meter (NR-3961-A) data from period 07.04.25 to 13.04.25 as the main meter (L&T make) data unavailable.

r. 220KV Ramnagar Pahad CKT-I at Rewa (PG)

The energy meter (NP-5619-A) data 220KV Ramnagar Pahad CKT-I at Rewa (PG) was replaced with standby meter (NP-5578-A) data from period 14.04.25 to 08.06.25 as the main meter (Elster make) was found faulty.

s. 400kV side of ICT-3 at Kala(PG)

The energy meter (NP-5496-A) data of 400kV side of ICT-3 at Kala(PG) was replaced with standby meter (NP-5495-A) data from period 21.04.25 to 27.04.25 as the main meter (Elster make) were Erroneous reading.

t. 765kV Durg PS 2 at Jharsugda

The energy meter (ER-1757-A) data of 765kV Durg PS 2 at Jharsugda was replaced with standby meter (NP-9199-A) data from period 28.04.25 to 04.05.25 as the main meter (Inter-regional) were Erroneous reading.

u. 400KV Navsari(PG) line-2

The energy meter (WR-2201-A) data of 765kV Durg PS 2 at Jharsugda was replaced with standby meter (WR-2200-A) data from period 28.04.25 to 11.05.25 as the main meter (L&T make) were Erroneous reading.

v. 400 kV Khavda NTPC REL PSS2 at KPS2

The energy meter (RE-4479-A) data of 400 kV Khavda NTPC REL PSS2 at KPS2 was replaced with standby meter (RE-4474-A) data from period (28.04.25 To 11.05.25) & (26.05.25 To 08.06.25) as the main meter were (Secure make) data unavailable.

w. 220kV Bhuvad line-2 at Bhachau

The energy meter (NR-3352-A) data 220kV Bhuvad line-2 at Bhachau was replaced with standby meter (NR-3353-A) data from period 05.05.25 to 08.06.25 as the main meter (Elster make) was found faulty.

x. 220kV Budhipadar line-II at Korba(East)

The energy meter (NP-2122-A) data of 220kV Budhipadar line-II at Korba(East) was replaced with standby meter (ER-2069-A) data from period (28.04.25 To 11.05.25) as the main meter were (Inter-regional) data unavailable.

y. 400 kV GIPCL PSS1 line at Khavda KPS2

The energy meter (NS-2209-A) data of 400 kV GIPCL PSS1 line at Khavda KPS2 was replaced with standby meter (NS-2235-A) data from period (05.05.25 To 11.05.25) as the main meter were (Inter-regional) data unavailable.

z. 765kV Durg PS 1 at Jharsugda

The energy meter (ER-1756-A) data of 765kV Durg PS 2 at Jharsugda was replaced with standby meter (NP-9198-A) data from period 28.04.25 to 04.05.25, 12.05.25 To 25.05.25 as the main meter (Inter-regional) were Erroneous reading.

aa. 220kV Jhagadia line at Gandhar

The energy meter (NP-5425-A) data of 220kV Jhagadia line at Gandhar was replaced with standby meter (NR-3945-A) data from period 12.05.25 to 08.06.25 as the main meter (Elster make) were Erroneous reading.

ab. 400kV Raigarh(PG) line-4 at Sundergarh

The energy meter (ER-1070-A) data of 400kV Raigarh(PG) line-4 at Sundergarh was replaced with standby meter (NP-6287-A) data from period 19.05.25 To 08.06.25 as the main meter (Inter-regional) were Erroneous reading.

ac. 400kV Dhule(BDTCL) line-1 at Dhule(MSETCL)

The energy meter (NP-8816-A) data 400kV Dhule(BDTCL) line-1 at Dhule(MSETCL) was replaced with Parallel line 2 same end data from period 26.05.25 to 08.06.25 as the main meter (Elster make) was found faulty.

ad. 400kV Dhule(MSETCL) line-1 at Dhule(BDTCL)

The energy meter (NP-8817-A) data 400kV Dhule(MSETCL) line-1 at Dhule(BDTCL) was replaced with Parallel line 2 same end data from period 26.05.25 to 08.06.25 as the main meter (Elster make) was found faulty.

ae. 400kV side of 400/220kV ICT-1 at Xeldem GTTPL SS

The energy meter (NS-2104-A) data of 400kV side of 400/220kV ICT-1 at Xeldem GTTPL SS was replaced with standby meter (NS-2118-A) data from period 26.05.25 To 08.06.25 as the main meter (Secure make) were Erroneous reading.

ai. 400kV Wardha(PG) line-1 at Mouda(NTPC)

The energy meter (NP-2637-A) data of 400kV Wardha(PG) line-1 at Mouda(NTPC) was replaced with standby meter (NP-6731-A) data from period 26.05.25 To 01.06.25 as the main meter (Secure make) were CVT Error reported by NTPC Mouda.

aj. Other **Stations with discrepancy of less than one week**

The other Stations where meter related discrepancies were observed for a week/ less than 1 week are tabulated below for kind information of members:

S .No	SEM ID	Date	Location	Feeder/ICT	Remarks
1	NP-2347-A	12.03.25 To 16.03.25	KAPS1&2	220kV Haldarwa line-1	Under-recording
2	NP-2343-A	12.03.25 To 16.03.25	KAPS1&2	220kV Haldarwa line-2	Under-recording
3	NP-2289-A	12.03.25 To 16.03.25	KAPS1&2	220kV Vapi line-1	Under-recording
4	NP-2280-A	12.03.25 To 16.03.25	KAPS1&2	220kV Vapi line-2	Under-recording
5	NP-2295-A	12.03.25 To 16.03.25	KAPS1&2	220kV Vav line-1	Under-recording
6	NP-2290-A	12.03.25 To 16.03.25	KAPS1&2	220kV Vav line-2	Under-recording
7	NS-2483-A	22.03.25 To 23.03.25	Kurud (Dhanmantri)	400kV Durg(PG) line-1	Data not available
8	NS-2484-A	22.03.25 To 23.03.25	Kurud (Dhanmantri)	400kV Durg(PG) line-1	Data not available
9	NR-3945-A	23.03.25	Jhagadia	220kV Gandhar line	Erroneous Reading
10	ER-1730-A	21.03.25 To 23.03.25	Ranchi	765KV Dharamjaygarh line	Erroneous Reading
11	NS-1844-A	31.03.25 To 04.04.25	Vadva(GIWEL)	220kV Bhuj line	Erroneous Reading

12	NP-5425-A	02.04.25 To 05.04.25	Gandhar	220kV Jhagadia line	Erroneous Reading
13	WR-2230-A	21.04.25	Kawas	220kV Vav line-2	Erroneous Reading
14	ER-1745-A	21.04.25 To 23.04.25	Sundergarh	400kV Raigarh line	Erroneous Reading
15	ER-1756-A	21.04.25 To 23.04.25	Jharsugda	765kV Durg PS-1	Erroneous Reading
16	ER-1757-A	21.04.25 To 23.04.25	Jharsugda	765kV Durg PS-1	Erroneous Reading
17	WR-2529-A	24.04.25	Alkud(MSETCL)	400kV Solapur(PG) line	Erroneous Reading
18	ER-1756-A	28.04.25, 29.04.25, 02.05.25 To 04.05.25	Jharsugda	765kV Durg PS-1	Erroneous Reading
19	NP-6770-A	02.05.25 To 03.05.25	Wardha(PG)	400kV side of ICT	Erroneous Reading
20	NP-5425-A	06.05.25 To 11.05.25	Gandhar	220kV Jhagadia line	Meter data not received
21	NP-2184-A	14.05.25 To 17.05.25	Indore	400kV Asoj line-1	Erroneous Reading
22	NP-2141-A	13.05.25 To 17.05.25	Indore	400kV Asoj line-2	Erroneous Reading
23	ER-1730-A	20.05.25 To 25.05.25	Ranchi	765kV Dharamjaygarh line	Erroneous Reading
24	WR-2204-A	26.05.25 To 27.05.25	Shankhari(GETCO)	400kV Banaskantha (PG) line-2	Meter data not received
25	NP-6724-A	30.05.25	Wardha	400kV Raipur line-2	Meter data not received

Annexure-16.1

भारतसरकार
Government of India
केंद्रीय विद्युत् प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत् समिति
Western Regional Power Committee
एफ-3,एमआईडीसीक्षेत्र, अंधेरी (पूर्व), मुंबई- 400 093
F-3, MIDC Area, Andheri (East), Mumbai - 400 093
दूरभाष/Phone: 022-28221681, 2820 0194, 95, 96
फैक्स/Fax: 022-2837193
Website: www.wrpc.gov.in
E-mail: comml-wrpc@nic.in

आईएसओः
9001-2015
IS/ISO:9001-2015

संख्याः पक्षेविस/ वाणि.-I/2021/ 2765
No.:WRPC/Comml-I/2021/

दिनांकः 05.03.2021

To,

As per List attached

विषय: याचिका संख्या 153/MP/2018 और याचिका संख्या 154/MP/2018 में माननीय सीईआरसी आदेश के कार्यान्वयन पर चर्चा करने के लिए बैठक के रिकॉर्ड नोट|

Subject: Record notes of the meeting to discuss the implementation of Hon'ble CERC order in Petition No. 153/MP/2018 & Petition No. 154/MP/2018 - regarding

Sir,

Please find attached herewith the Record notes of the meeting on **"Discuss the implementation of Hon'ble CERC order in petition No. 153/MP/2018 & Petition No. 154/MP/2018"** held on 02.03.2021 at 15:30 hrs. through Video Conferencing on WebEx Platform. This is for your information and necessary action.

The Record notes are also available on website www.wrpc.gov.in, same may please be downloaded.

भवदीय /Yours faithfully

(P.D.Lone)
(अधी.अभि.(वा)/Supdtg. Eng.(C)

Record Notes of the Meeting held to "Discuss Implementation of Hon'ble CERC order in Petition No. 153/MP/2018 & Petition No. 154/MP/2018" held on 02.03.2021 at 15:30 hrs.

A meeting was held on 02.03.2021 at 15:30 hrs. to discuss the implementation of the Hon'ble CERC Order in petition No. 153/MP/2018 & Petition No. 154/MP/2018. The list of participants is given at Annexure 1.

Following Points were discussed in the meeting.

1. SE(Comml.), WRPC informed that the contract path identified for wheeling of power from RGPPL to DD & DNH was 400kV RGPPL - Nagothane (S/C) & 400 kV Nagothane- Padghe (D/C) lines and to Goa was 400 kV RGPPL - New Koyna (D/C), 400 kV New Koyna - Karad (S/C), 400/220kV ICT Karad - 1 Nos., 220 kV Karad - Kolhapur (D/C), 220 kV Karad - Kolhapur (D/C) & 220 kV Kolhapur - Amona (D/C) lines in the calculations for the year 2010-11 issued vide WRPC letter No. WRPC/(Comml-I)/4/Corr/2010-1052 dated 17.08.2010 (Copy Enclosed at Annexure 2). He enquired whether there is any addition/deletion/alternation in the above path or system incidental to this path. Also, he requested MSETCL to confirmed whether any of the above line has been identified as natural/deemed ISTS lines & charges of the same are claimed under PoC. If so, the lines are required to be removed from the calculations for the year 2012-13 onwards.
2. MSETCL representative informed that there is no alteration/modification/addition/deletion of elements to the contract path mentioned under 1 and if any, they shall confirm the same while submitting the data. Also, they will confirm whether any element identified in the contract path is being claimed under PoC.
3. MSETCL was requested to furnish the complete data for the year 12-13 onwards in the formats of letter at Annex 2. MSETCL agreed to furnish the

data, so that WRPC can calculate the charges for DD, DNH & Goa for wheeling power from RGPPL via the MSETCL System.

4. It was agreed by all the members that the calculation of charges payable by DNHED and GED was applicable for the year 2011-12 and the charges shall be calculated by WRPC for the year 2012-13 and subsequent period/years as per the directions of the Hon'ble CERC Order.
5. It was in general agreed by the members that actual drawl (in MU) calculations on the elements of contract path by DD, DNH & Goa cannot be done since it is difficult to ascertain the share drawl of DD, DNH & Goa on these elements, therefore the schedule data for the RGPPL as published in the REA by WRPC would be taken for the calculations. MSETCL representative informed that they will study the order & give their views.
6. It was agreed that the next meeting will be held after the MSETCL furnishes the data.

The above was concluded by Member Secretary WRPC and he thanked all the participants for active participation.

The meeting ended with a vote to thanks to the chair.

Annexure 1

Participant List for the Meeting held on 02.03.2021 through video conferencing.

S. No.	Name	Organisation	Email
1	Satyanarayan S	WRPC	Ms-wrpc@nic.in
2	P D Lone	WRPC	Comml-wrpc@nic.in
3	Deepak Sharma	WRPC	Comml-wrpc@nic.in
4	S. Usha	WRLDC	susha@posoco.in
5	Aditya Das	WRLDC	adityapdas@posoco.in
6	C.A. Parmar	DNH	caparmar1956@gmail.com
7	M. R. Ingle	Daman	elec-dmn-dd@nic.in
8	K. K. Bhaskaran	Daman	ed-aecomm-dd@nic.in
9	Jay Solanki	Daman	ed-aesldc-dd@nic.in
10	C R Prasnnakumar	GOA	eediv3@yahoo.co.in
11	Shrikant Nirawar	MSEDCL	eepp2msedcl@gmail.com
12	Prasad G Narnaware MSETCL	MSETCL STU	se.rc.stu@gmail.com
13	S R Patil	MSEDCL	eepp2msedcl@gmail.com
14	leelesh	NTPC	gleelesh3@gmail.com
15	Antaryami Dash	RGPPL	antaryamidash@ntpc.co.in
16	Arvind Jhalani	RGPPL	arvindjhalani@ntpc.co.in
17	abdul saleem	RGPPL	saleem.abdulla@site.rgppl.com

Annexure - 2

भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत समिति
Western Regional Power Committee
एफ -3, एमआयडीसी क्षेत्र, अंधेरी (पूर्व), मुंबई - 400 093
F-3, MIDC Area, Andheri (East), Mumbai - 400 093
दूरभाष Phone: 022- 28200194, 28200195, 28353222 फैक्स Fax : 022 – 28370193
Website : www.wrpc.gov.in E-mail : comml-wrpc@nic.in

आई एस/आई एस ओ : 9001-2008
IS/ISO : 9001-2008

No. WRPC/(Comml-I)/4/Corr/2010- 1052 Date : 17 AUG 2010

To,

1. Director (Opn.), Maharashtra State Transmission Company Ltd., Prakashganga, Plot No. C-19, E Block, Bandra Kurla Complex, Bandra (East) 400 051.
2. Chief Engineer (STU), Maharashtra State Transmission Company Ltd., Prakashganga, Plot No. C-19, E Block, Bandra Kurla Complex, Bandra (East) 400 051.
3. Executive Director (Opn.), Gujarat Urja Vikas Nigam Ltd., Sardar Patel Vidyut Bhavan, Race Course, Baroda-390 007
4. CGM (L & RA), MP Power Trading Co. Ltd., Shakti Bhavan, Vidyut Nagar, Jabalpur-482 008
5. Chief Engineer (Comml), Chhattisgarh State Power Distribution Co. Ltd., Sunder Nagar, Danganiya, Raipur-492 013
6. Chief Engineer (PP), Maharashtra State Electricity Distribution Co. Ltd., Prakashgad, Bandra (East), Mumbai-400 051
7. Chief Electrical Engineer, Goa Electricity Dept., Vidyut Bhavan, 3rd Floor, Panjim, Goa
8. Executive Engineer (Elect.), Electricity Dept., Daman & Diu, Power House, Building-2, Nani Daman-396 210
9. Executive Engineer (Elect.), Electricity Dept., Administration of Dadra & Nagar Havelli, 66 kV Amli Road, Via-Vapi, Silvasa-396 230

Sub: Calculation of transmission charges for transmission of RGPPL power to Goa, DD & DNH through MSETCL transmission system for the period for the year 2010-2011.

Sir,

1. MoP had allocated 5% capacity of Ratnagiri Gas Power Project Ltd., to DD (2%), DNH (2%) and Goa (1%). The matter under singing of PPA by Goa, DD & DNH with RGPPL is under progress. As the RGPPL station is located in Maharashtra and not directly connected with the CTU network, the part of transmission system of MSETCL is use for transmission of the above

allocated power to Goa, DD & DNH. As such, the transmission charges in respect of Maharashtra system, which is used and intervening state system is required to be calculated for transfer of the above allocated power to Goa, DD & DNH.

2. During 13th WRP Committee meeting held on 9th April 2010 in Mumbai, MSETCL raised the issue regarding payment of transmission charges to them for wheeling of Central Sector Power to Goa. A matter was deliberated and POWERGRID was requested to issue the bill in respect of payment towards transmission charges to MSETCL and GETCO for wheeling of Central Sector Power by them from August 2009 onwards at the earliest.

3. During the discussion Director (O), MSETCL agreed to contract path method for computation of transmission charges for wheeling of Central Sector Power to Goa.

4. In response Chief Engineer (STU), MSETCL vide letter dated 26.04.2010 intimated that necessary detail required for calculation of transmission charges in respect of MSETCL system will be made available as per the requirement of WRPC.

5. As a follow up action WRPC vide letter dated 21st May 2010 requested MSETCL for furnishing of all the required information viz., the details of lines in the identified contract path, cost, etc. MSETCL furnished the data vide letter dated 23rd June 2010 and 29th June 2010. As the data was incomplete MSETCL was repeatedly pursued by WRPC to furnish the incomplete data fully. The matter was also discussed during 55th meeting of Commercial Committee held on 15th July 2010 and MSETCL was again requested to furnish in respect of date of commissioning, line length, capital cost of Parli-Solapur and Solapur-karad line and also Tax rates of MSETCL etc., which was still awaited. Finally, MSETCL furnished the above remaining information on 29th July 2010.

6. As agreed by MSETCL and Goa, the calculation in respect of Transmission Charges payable for wheeling of RGPPL power to Goa, DD and DNH through MSETCL intervening transmission system, has been calculated for year 2010-11 in line with the methodology given by Commission in petition No. 64/2008 and in Petition No. 67 / 2008 in the matter of fixation of and adjudication on the transmission charges for use of the Gujarat transmission system for conveyance of Central Sector power to Union Territory of Daman & Diu (DD) and to Union Territory of Dadra and Nagar Haveli (DNH) respectively vide CERC order dated 3rd February 2009.

7. The following methodology adopted for calculation of transmission charges for transmission of RGPPL power to Goa, DD & DNH through MSETCL transmission system for year 2010-11:.

(a) WRPC have calculated the transmission charges in respect of MSETCL Transmission System which is incidental for transmission of Central Sector Power to Goa for the year 2010-11 in line with the methodology given by Commission in petition No. 64/2008 and in Petition No. 67 / 2008 in the matter of fixation of and adjudication on the transmission charges for use of the Gujarat transmission system for conveyance of Central Sector power to Union Territory of Daman & Diu (DD) and to Union Territory of Dadra and Nagar Haveli (DNH) respectively vide CERC order dated 3rd February 2009.

Following contract path have been considered :

<u>RGPPL power to Goa</u>

400 kV RGPPL-New Koyna
400 kV New Koyna-Karad
400/220 kV ICTs at Karad
220 kV Karad-Kolhapur
220 kV Kolhapur-Amona

<u>RGPPL power to DD & DNH</u>

400 kV RGPPL-Nagothane

(b) Rate of return on equity is computed as per the formula given below:
Rate of pre-tax return on equity = Base rate(15.50) / (1-t)

Accordingly, as per the information received from MSETCL, applicable tax rate for the year 2010-11 is considered as 33.2175 % for the year 2010-11 and ROE was calculated at 23.21 % and the same is considered for calculation.

(C) Interest on loan has been considered by applying SBI PLR @ 12.25 % as on 01.04.2009 and the same has been considered for the period 01.04.2010 – 31.03.2011. Loan is considered equal to debt.

(d) Norms for O & M expenses per ckt-km and per bay has been considered as given below:

Particulars	2010-11
O & M expenses (Rs. In Lakh per ckt-km)	0.189
O & M expenses (Rs. In Lakh per bay)	38.78

(e) Depreciation has been calculated on 90% of capital cost as per Appendix-III (Depreciation schedule) to Central Electricity Regulatory Commission (Terms & Conditions of Tariff) Regulations, 2009.

(f) Interest on working capital has been considered as 12.25 % as per SBI PLR as on 01.04.2009 and the same is considered for the period from 01.04.2010 to 31.03.2011.

(g) Following components for working capital have been taken:

(i) Operation & Maintenance expenses for one month taken on the basis of norms as specified above.

(ii) Maintenance spares has been taken as 15% of O & M expenses.

115/C

(iii) Receivables equal to two months have been taken equal to 2 months of chargeable fixed charges for the year under consideration.

(h) Total transmission charges for a year have been arrived at by summing up following:

(i) Return on equity
(ii) Interest on loan capital
(iii) Depreciation
(iv) Operation & Maintenance expenses &
(v) Interest on working capital

8. The detailed calculations for transmission of charges for use of Maharashtra State Electricity Transmission Company Limited system for conveyance of RGPPL power to Goa, DD & DNH for the year 2010-2011 have been carried out and is enclosed at Table-I(A) & Table-I(B). However, the charges will be made applicable to Goa, DD and DNH from the date of scheduling of allocated power to them from RGPPL Generating Stations. A letter addressed to MSETCL and the Constituents of WR in this regard is placed bellow.

This is for your information and necessary action.

Yours faithfully,

Encl: As above

6/8/10

(Manjit Singh)
Member Secretary

118/C

TABLE- I(A)

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2010-11 (from 1.04.2010 to 31.03.2011)

Anticipated Drawal from the Grid (MUs)	175.2
Anticipated average drawal from the Grid (MW)	20

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		s/c		d/c	d/c	d/c,	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	0	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1986	1978	1993
Years since commissioning after 1991		12	4	11	11	19	19	19	17
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		4566.40	5330.28	5008.27	1009.00	1140.00	1140.00	297.00	616.76
Equity (30 % of capital cost)		1369.92	1599.08	1502.48	302.70	342.00	342.00	89.10	185.03
Debt (70 % of capital cost)=Loan taken	p	3196.48	3731.20	3505.79	706.30	798.00	798.00	207.90	431.73
Cum. Depreciation upto 2000-01*	q	652.08	190.29	536.39	108.06	447.68	447.68	116.63	198.16
Cum. Depreciation from 2001-02 to 2008-09 #	r	938.85	410.96	1029.70	207.45	234.38	234.38	61.06	126.81
Cum. Depreciation from 2009-10 ##	s	241.11	281.44	264.44	53.28	60.19	60.19	15.68	32.56
Net loan at the end of last year (p-q-r)	t	1364.44	2848.50	1675.27	337.51	55.75	55.75	14.52	74.20
Calculation of Fixed charges (Lacs)									
Return on equity (@ 23.21%)	a	317.96	371.15	348.73	70.26	79.38	79.38	20.68	42.94
Interest on loan(12.25% of Net Loan) (t x rate)	b	167.14	348.94	205.22	41.35	6.83	6.83	1.78	9.09
Depreciation(5.28% of 90 % capital cost)	c	217.00	253.29	237.99	47.95	54.17	54.17	14.11	29.31
O&M Expenses (as per tariff notification)	d	86.68	86.68	104.78	0.00	340.48	336.85	103.64	103.64
Components of working capital									
O&M Expenses for one Month	e1	7.22	7.22	8.73	0.00	28.37	28.07	8.64	8.64
Maintenance spares(15% p.a.of O&M expenses)	e2	13.00	13.00	15.72	0.00	51.07	50.53	15.55	15.55
Receivables equivalent to two month	e3	1.91	2.56	5.83	27.15	3.10	3.06	0.31	0.40
Interest on working capital(12.25%)	e	2.71	2.79	3.71	3.33	10.11	10.01	3.00	3.01
Total Fixed Charges for year 2010-11 (a+b+c+d+e)	f	791.49	1062.86	900.42	162.87	490.97	487.24	143.21	188.00
Avg. anticipated contracted Power in MW	g	10	10	20	20	10	10	2	2
SIL in MW	h	691	691	515		264	264	132	132
Chargeable fixed charges (f x g/h)	i	11.45	15.38	34.97	162.87	18.60	18.46	1.84	2.42
Total chargeable fixed charges (Rs. Lacs)	j	266.00							
Anticipated drawal by Goa from RGPPL wheeled through MSETCL system during 2010-11 (in MUs)						175			
Applicable transmission charges for Goa for the year 2010-11 in Rs. Lacs						266.00			

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
$ cost of Karad -kolhapur lines taken equal to 2280/2=1140/-
Note : Full capacity of RGPPL (1980 MW) considered for calculation

RGPPL

C. S. Power & RGPPL power

34.98
15.38
11.45
61.80 Lacs

41781164

MSETCL

118/C

TABLE- I(A)

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2010-11 (from 1.04.2010 to 31.03.2011)

Anticipated Drawal from the Grid (MUs)	175.2
Anticipated average drawal from the Grid (MW)	20

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		s/c		d/c	d/c	d/c,	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	0	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		12	4	11	11	19	19	19	17
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		4566.40	5330.28	5008.27	1009.00	1140.00	1140.00	297.00	616.76
Equity (30 % of capital cost)		1369.92	1599.08	1502.48	302.70	342.00	342.00	89.10	185.03
Debt (70 % of capital cost)=Loan taken	p	3196.48	3731.20	3505.79	706.30	798.00	798.00	207.90	431.73
Cum. Depreciation upto 2000-01*	q	652.08	190.29	536.39	108.06	447.68	447.68	116.63	198.16
Cum. Depreciation from 2001-02 to 2008-09 #	r	938.85	410.96	1029.70	207.45	234.38	234.38	61.06	126.81
Cum. Depreciation from 2009-10 ##	s	241.11	281.44	264.44	53.28	60.19	60.19	15.68	32.56
Net loan at the end of last year (p-q-r)	t	1364.44	2848.50	1675.27	337.51	55.75	55.75	14.52	74.20
Calculation of Fixed charges (Lacs)									
Return on equity (@ 23.21%)	a	317.96	371.15	348.73	70.26	79.38	79.38	20.68	42.94
Interest on loan(12.25% of Net Loan) (t x rate)	b	167.14	348.94	205.22	41.35	6.83	6.83	1.78	9.09
Depreciation(5.28% of 90 % capital cost)	c	217.00	253.29	237.99	47.95	54.17	54.17	14.11	29.31
O&M Expenses (as per tariff notification)	d	86.68	86.68	104.78	0.00	340.48	336.85	103.64	103.64
Components of working capital									
O&M Expenses for one Month	e1	7.22	7.22	8.73	0.00	28.37	28.07	8.64	8.64
Maintenance spares(15% p.a.of O&M expenses)	e2	13.00	13.00	15.72	0.00	51.07	50.53	15.55	15.55
Receivables equivalent to two month	e3	1.91	2.56	5.83	27.15	3.10	3.08	0.31	0.40
Interest on working capital(12.25%)	e	2.71	2.79	3.71	3.33	10.11	10.01	3.00	3.01
Total Fixed Charges for year 2010-11 (a+b+c+d+e)	f	791.49	1062.86	900.42	162.87	490.97	487.24	143.21	188.00
Avg. anticipated contracted Power in MW	g	10	10	20	20	10	10	2	2
SIL in MW	h	691	691	515		264	264	132	132
Chargeable fixed charges (f x g/h)	i	11.45	15.38	34.97	162.87	18.60	18.46	1.84	2.42
Total chargeable fixed charges (Rs. Lacs)	j	266.00							

Anticipated drawal by Goa from RGPPL wheeled through MSETCL system during 2010-11 (in MUs)	175
Applicable transmission charges for Goa for the year 2010-11 in Rs. Lacs	266.00

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
$ cost of Karad -kolhapur lines taken equal to 2280/2=1140/-
Note : Full capacity of RGPPL (1980 MW) considered for calculation

Comments for C.S. Power & RGPPL

RGPPL

34.98
15.38
11.45
61.80 Lacs

41781164

MSETCL

TABLE- I(E

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2010-11 (from 1.04.2010 to 31.03.2011)

Anticipated Drawal by DD from RGPPL (MUs)	350.4
Anticipated Drawal by DNH from RGPPL (MUs)	350.4
Anticipated average drawal by DD from RGPPL (MW)	40
Anticipated average drawal by DNH from RGPPL (MW)	40

Line name		RGPPL-Nagothane	Nagothane-Padghe
Single/double circuit		s/c	d/c
Circuit		2	4
No. of bays		2000	2001
Date of commisoning (1991-92 level)		10	9
Years since commissioning after 1991		8	8
years since commissioning after 2001-02 till 2008-09		400 kV	400 kV
Voltage level (kV)		136	117
Line length(Ckt. km)		12374.90	12778.34
Total capital cost (Rs lacs)		3712.47	3833.50
Equity (30 % of capital cost)		8662.43	8944.83
Debt (70 % of capital cost)=Loan taken	p	883.57	456.19
Cum. Depreciation upto 2000-01*	q	2544.28	2627.23
Cum. Depreciation from 2001-02 to 2008-09 #	r	653.39	674.70
Cum. Depreciation from 2009-10 ##	s	4581.19	5186.73
Net loan at the end of last year (p-q-r)	t		
Calculation of Fixed charges (Lacs)			
Return on equity (@ 23.21%)	a	861.66	889.76
Interest on loan(12.25% of Net Loan) (t x rate)	b	561.20	635.37
Depreciation(5.28% of 90 % capital cost)	c	588.06	607.23
O&M Expenses (as per tariff notification)	d	103.26	177.23
Components of working capital			
O&M Expenses for one Month	e1	8.61	14.77
Maintenance spares(15% p.a.of O&M expenses)	e2	15.49	26.58
Receivables equivalent to two month	e3	43.81	72.90
Interest on working capital(12.25%)	e	8.32	14.00
Total Fixed Charges for year 2010-11 (a+b+c+d+e)	f	2122.50	2323.58
Avg. anticipated contracted Power in MW	g	80	80
SIL in MW	h	646	425
Chargeable fixed charges (f x g/h)	i	262.85	437.38
Total chargeable fixed charges (Rs. Lacs)	j	**700.23**	

Anticipated drawal by DD from RGPPL wheeled through MSETCL system during 2010-11 (in MUs)	350
Applicable transmission charges for DD for the year 2010-11 in Rs. Lacs	350.11
Anticipated drawal by DNH from RGPPL wheeled through MSETCL system during 2010-11 (in MUs)	350
Applicable transmission charges for DNH for the year 2010-11 in Rs. Lacs	350.11

* As per old method on full capital cost @3.57 % p.a.

as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.

as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.

Note : Full capacity of RGPPL (1980 MW) considered for calculation

Annexure-16.2

भारतसरकार
Government of India
केंद्रीय विद्युत् प्राधिकरण
Central Electricity Authority
पश्चिम क्षेत्रीय विद्युत् समिति
Western Regional Power Committee
एफ-3,एमआईडीसीक्षेत्र, अंधेरी (पूर्व), मुंबई- 400 093
F-3, MIDC Area, Andheri (East), Mumbai - 400 093
दूरभाष/Phone: 022-28221681, 2820 0194, 95, 96
Website: www.wrpc.gov.in
फैक्स/Fax: 022-2837193
E-mail: comml-wrpc@nic.in

सत्यमेव जयते

आईएसओ
9001-2015
IS/ISO:9001-2015

संख्याः पक्षेविस/ वाणि.-I/2021/ 401-18
No.:WRPC/Comml-I/2021/

दिनांक: ~~04~~ 18.01.2022

विषय: याचिका संख्या 153/एमपी/2018 और याचिका संख्या 154/एमपी/2018 में माननीय सीईआरसी आदेश के अनुसरण में जारी एमएसईटीसीएल प्रणाली के माध्यम से आरजीपीपीएल पावर के हस्तांतरण के लिए डीडी डीएनएच और गोवा के ट्रांसमिशन शुल्क - के संबंध में |

Subject: The Transmission Charges of DD DNH & Goa for transfer of RGPPL Power through MSETCL system issued in pursuance of Hon'ble CERC order in Petition No. 153/MP/2018 & Petition No. 154/MP/2018 – regarding

To,
As per List attached

Sir,

Please find enclosed herewith statement showing wheeling charges payable by DD, DNH & Goa to MSETCL as per Hon'ble CERC order (in the petition No. 153/MP/2018 & Petition No. 154/MP/2018) dated 04.02.2021 in the matter of calculation of transmission charges of DD DNH & Goa for transfer of RGPPL Power through MSETCL system.

The statements have been prepared based on the methodology decided in the meeting held on 02.03.2021 and data received from MSETCL vide emails dated 25.11.2021 & 27.12.2021 and firmed up in the meeting held on 08.12.2021.

Encl: As above.

भवदीय /Yours faithfully

(P.D.Lone)
(अधी.अभि.(वा)/Supdtg. Eng.(C)

Distribution List

1. Chief Engineer (STU), MSETCL, MSETCL, Prakashganga, Plot No.C-19, E-Block, Bandra Kurla Complex, Bandra (East), Mumbai – 400 051
2. Chief Engineer (PP), MSEDCL, Prakashgad, 6th Floor, Plot No G-9, Bandra (East), Mumbai: 400 051
3. CEE, Elect. Deptt., Goa, Goa Electricity Department, Vidyut Bhawan, 3rd floor, Panaji, Goa: 403 001
4. Executive Engineer, DD Electricity Department, Powerhouse, Vidyut Bhavan, Bldg.No.2, Nani Daman -396 210
5. Executive Engineer, Elect. Deptt., DNH DNH Power Distribution Corp. Ltd., Vidyut Bhavan, 66 kV Road, Near Secretariat, Amli, Silvasa: 392 230
6. DGM(Comml), RGPPL, The Landmark Building, 2nd Floor, A-35, Sector-2, NOIDA– 201301
7. Executive Director, WRLDC, POSOCO, WRLDC, F-3, MIDC Area, Marol, Andheri (East), Mumbai: 400 093

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF POWER FROM MSETCL SYSTEM TO DD DNH & GOA- SUMMARY SHEET							
2012-13 to 2020-21							
S. No.	Year	Schedule drawal by DD & DNH (kWh)	Cost for DD (Rs. Lakh)	Cost for DNH (Rs. Lakh)	Schedule drawl by Goa (kWh)	Cost for Goa (Rs. Lakh)	Total Cost Payable to MSETCL (Rs. Lakh)
1	2012-13	16,71,17,858	87.13	95.92	4,01,50,464	65.04	248.08
2	2013-14	6,69,76,596	33.01	36.66	1,46,11,109	22.50	92.17
3	2014-15	74,040	0.00	0.08	0	0.00	0.08
4	2015-16	0	0.00	0.00	0	0.00	0.00
5	2016-17	1,81,20,789	14.97	0.03	87,009	0.11	15.11
6	2017-18	0	0.00	0.00	0	0.00	0.00
7	2018-19	2,45,76,550	20.43	0.00	73,100	0.10	20.53
8	2019-20	6,45,82,258	37.78	0.01	67,165	0.06	37.84
9	2020-21	3,23,43,789	19.09	0.00	52,806	0.05	19.14

18/01/2022

Calculations for DD & DNH

1. Total Cost Calculation are attached at Annexure I for DD & DNH.
2. Circuit 2 of RGPPL-New Koyna line added in 2006. The line added on separate towers as intimated by MSETCL.
3. Depreciation calculations done in item number q,r,s based on tariff notifications which are as given below
    a. For year up to 2001 @3.57% p.a. as per old method on Full Capital Cost
    b. For year 2001-02 to 2008-09 as per Tariff Notification 2004-2009 @2.57 p.a. as per Appendix-II of the notification (Appendix not available online. Value taken as given in old calculation)
    c. For year 2009 onward taken @5.28% as per Appendix – III of the T&C of tariff 2009-2014 as per CERC notification
4. Return on equity taken as per = 15.50/(1-T), where T is the effective tax rate as specified by MSETCL for all the years starting from 2012 onwards.
5. Interest on loan – taken as per the historical rates of PLR from SBI website and as per CERC Regulation 2009-14 Clause 18(3), Chapter 2, the rate of interest at 01.04.2009 is taken as rate of interest for the years 2009-14 i.e., 12.25%. Similarly for the years 2014-19, Rate of interest is taken as 13.50% and for the year 2019-2024 the rate of interest is taken as 12.05%.
6. Depreciation values when Depreciation on loan when reaches zero – The 20% cost of the total Capital cost is used to calculate the depreciation for that year. The Equity Cost is divided for the remaining useful life (35 years as per Tariff regulations) of transmission element i.e., (20% of total Cost/17 Year) (35 years – 18 years) (e.g., 18 years at which the loan reduces to zero).
7. O&M expenses as per the line's voltage and conductor information
    a. RGPPL - Nagothane – 400 kV 2 circuits on 2 different towers – Twin conductor
    b. Nagothane – Padghe – 400 kV double circuit double conductor
8. SIL of line used to calculate MWh available. This is used to calculate the yearly charges payable.
9. Yearly charges per asset calculated as per the formula

$$\frac{\text{Scheduled Drawl of both DD \& DNH(kWh)}}{MWh\ in\ a\ year\ as\ per\ SIL} x \frac{Total\ Cost\ of\ the\ Asset}{1000}$$

10. Charges for DD calculated as per the formula used for each asset to determine the total cost.

$$\frac{Schedule\ drawal\ of\ DD}{Total\ scheduled\ drawal\ of\ DD\ \&\ DNH}\ x\ Total\ chargeable\ fixed\ charges\ calculated\ at\ S.No.7$$

11. Charges for DNH calculated as per the formula used for each asset to determine the total cost.

$$\frac{Schedule\ drawal\ of\ DNH}{Total\ scheduled\ drawal\ of\ DD\ \&\ DNH}\ x\ Total\ chargeable\ fixed\ charges\ calculated\ at\ S.No.7$$

12. Total cost added to determine the total for the financial year as per DD & DNH.
13. Transformers O&M added as per 2019-24 T&C of Tariff, but no transformers used on the contract path of DD & DNH.

18/01/2022

Calculations for Goa

1. Total Cost Calculation are attached at Annexure II for Goa.
2. Circuit 2 of RGPPL-Nagothane line added in 2010. The line added on separate towers as intimated by MSETCL.
3. Depreciation calculations done in item number q,r,s based on tariff notifications which are as given below
    a. For year up to 2001 @3.57% p.a. as per old method on Full Capital Cost
    b. For year 2001-02 to 2008-09 as per Tariff Notification 2004-2009 @2.57 p.a. as per Appendix-II of the notification (Appendix not available online. Value taken as given in old calculation)
    c. For year 2009 onward taken @5.28% as per Appendix – III of the T&C of tariff 2009-2014 as per CERC notification
4. Return on equity taken as per = 15.50/(1-T), where T is the effective tax rate as specified by MSETCL for all the years starting from 2012 onwards.
5. Interest on loan – taken as per the historical rates of PLR from SBI website and as per CERC Regulation 2009-14 Clause 18(3), Chapter 2, the rate of interest at 01.04.2009 is taken as rate of interest for the years 2009-14 i.e., 12.25%. Similarly for the years 2014-19, Rate of interest is taken as 13.50% and for the year 2019-2024 the rate of interest is taken as 12.05%.
6. Depreciation values when Depreciation on loan when reaches zero – The 20% cost of the total Capital cost is used to calculate the depreciation for that year. The Equity Cost is divided for the remaining useful life (35 years as per Tariff regulations) of transmission element i.e., (20% of total Cost/17 Year) (35 years – 18 years) (e.g., 18 years at which the loan reduces to zero).
7. O&M expenses as per the line's voltage and conductor information
    a. RGPPL – New Koyna – 400 kV 2 circuits on 2 different towers – Quad conductor
    b. New Koyna – karad – (400 kV double Circuit – Quad conductor as per new information by MSETCL) & (400 kV single circuit – quad conductor as per old calculations)
    c. ICT at Karad – 3 phase 315 MVA
    d. Karad – Kolhapur 220 kV 2 d/c single conductor
    e. Kolhapur – Amona – 220 kV 2 single circuit Single conductor
8. SIL of line used to calculate MWh available. This is used to calculate the yearly charges payable. For ICT MVA is used to calculate the loading on the ICT.
9. Yearly charges per asset calculated as per the formula

$$\frac{\text{Scheduled Drawl of Goa(kWh)}}{MWh\ in\ a\ year\ as\ per\ SIL} x \frac{Total\ Cost\ of\ the\ Asset}{1000}$$

10. Transformers O&M added as per 2019-24 T&C of Tariff, values used to calculate the O&M Expenses after year 2019-2020.
11. Total cost of every asset summed to determine total wheeling charges for Goa.

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2012-13
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	16,71,17,858
Cost for DD (Rs. Lakh)	**87.13**
Cost for DNH (Rs. Lakh)	**95.92**

Scheduled Drawal by Goa (kWh)	4,01,50,464
Cost for Goa (Rs. Lakh)	**65.04**

Total Cost (Rs. Lakh)	**248.08**

Deepak
18/01/2022

TABLE- I(B) 2012

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2012-13 (from 1.04.2012 to 31.03.2013)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		12	2	11	
years since commissioning after 2001-02 till 2008-09		8	0	8	
years since commissioning after 2008-09 till 2011-12		3	2	3	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	2556.43	0.00	2565.89	
Cum. Depreciation from 2009-10 upto 2011-12 ##	s	1969.55	2175.36	1976.83	
Net loan at the end of last year (p-q-r-s)	t	3290.04	12244.64	3747.74	
Calculation of Fixed charges (Lacs)					
Return on equity @20.19%	a	753.13	1247.74	755.91	
Interest on loan(12.25 % of Net Loan) (t x rate)	b	403.03	1499.97	459.10	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.42	0.42	0.74	
O&M Expenses (Rs. In lakh per bay)	d2	61.92	61.92	61.92	
O&M Expenses (as per tariff notification)	d	181.37	181.37	334.38	
Components of working capital					
O&M Expenses for one Month	e1	15.11	15.11	27.86	
Maintenance spares(15% p.a.of O&M expenses)	e2	27.21	27.21	50.16	
Receivables equivalent to two month - Yearly Calculations	e3	4.76	9.63	16.11	
Interest on working capital(12.25%) - Yearly calculations	e	5.77	6.36	11.53	
Total Fixed Charges for year 2012-13 (a+b+c+d+e) - Yearly	f	1934.16	3914.35	2153.97	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2012-13	z	8,35,58,929	8,35,58,929	16,71,17,858	
Chargeable fixed charges (f x z/y) - Year		28.56	57.80	96.69	
Total chargeable fixed charges (Rs. Lacs) - yearly		**183.05**			
Cost for DD - 2012-13 (Rs. Lacs)		13.59	27.51	46.02	**87.13**
Cost for DNH- 2012-13 (Rs. Lacs)		14.97	30.29	50.67	**95.92**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.

18/01/2022

TABLE- I(A) 2012

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2012-13 (from 1.04.2012 to 31.03.2013)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	4	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		14	6	13	13	21	21	21	19
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2011-12		3	3	3	3	3	3	3	3
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2011-12 ##	s	329.35	329.35	3867.27	374.36	13.15	129.84	56.12	122.63
Net loan at the end of last year (p-q-r)	t	475.94	965.81	6460.09	625.35	0.00	0.00	0.00	39.02
Calculation of Fixed charges (Lacs)									
Return on equity (@ 20.19%)	a	125.94	125.94	1478.79	143.15	5.03	49.65	21.46	46.89
Interest on loan(12.25 % of Net Loan) (t x rate)	b	58.30	118.31	791.36	76.61	0.00	0.00	0.00	4.78
Depreciation(5.28% of 90 % capital cost)	c	98.81	98.81	1160.18	112.31	0.00	14.90	70.85	36.79
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.64	0.64	1.11		0.32	0.32	0.21	0.21
O&M Expenses (Rs. In lakh per bay)	d2	61.92	61.92	61.92		43.34	43.34	43.34	43.34
O&M Expenses (as per tariff notification)	d	154.49	154.49	407.66	0.00	397.60	391.49	115.94	115.94
Components of working capital									
O&M Expenses for one Month	e1	12.87	12.87	33.97	0.00	33.13	32.62	9.66	9.66
Maintenance spares(15% p.a.of O&M expenses)	e2	23.17	23.17	61.15	0.00	59.64	58.72	17.39	17.39
Receivables equivalent to two month	e3	0.26	0.30	5.71	0.81	1.20	1.35	0.61	0.60
Interest on working capital(12.25%) - Yearly calculations	e	4.45	4.45	12.35	0.10	11.51	11.36	3.39	3.39
Total Fixed Charges for year 2012-13 (a+b+c+d+e) - Yearly	f	441.99	502.00	3850.35	332.16	414.14	467.40	211.64	207.79
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2012-13	z	2,00,75,232	2,00,75,232	4,01,50,464	4,01,50,464	2,00,75,232	2,00,75,232	2,00,75,232	2,00,75,232
Chargeable fixed charges (f x z/y) - Year		1.57	1.78	34.27	4.83	7.19	8.11	3.67	3.61

Cost for Goa - 2012-13 (Rs. Lakh) **65.04**

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2013-14
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	6,69,76,596
Cost for DD (Rs. Lakh)	**33.01**
Cost for DNH (Rs. Lakh)	**36.66**

Scheduled Drawal by Goa (kWh)	1,46,11,109
Cost for Goa (Rs. Lakh)	**22.50**

Total Cost (Rs. Lakh)	**92.17**

18/01/2022

TABLE- I(B) 2013

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2013-14 (from 1.04.2013 to 31.03.2014)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**13**	**3**	**12**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2012-13		**4**	**3**	**4**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2012-13 ##	s	**2626.06**	**3263.04**	**2635.78**	
Net loan at the end of last year (p-q-r-s)	t	2633.52	11156.96	3088.80	
Calculation of Fixed charges (Lacs)					
Return on equity @19.06%	a	710.98	1177.91	713.61	
Interest on loan(12.25 % of Net Loan) (t x rate)	b	322.61	1366.73	378.38	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.45**	**0.45**	**0.78**	
O&M Expenses (Rs. In lakh per bay)	d2	**65.46**	**65.46**	**65.46**	
O&M Expenses (as per tariff notification)	d	191.71	191.71	353.45	
Components of working capital					
O&M Expenses for one Month	e1	15.98	15.98	29.45	
Maintenance spares(15% p.a.of O&M expenses)	e2	28.76	28.76	53.02	
Receivables equivalent to two month - Yearly Calculations	e3	1.80	3.67	6.14	
Interest on working capital(12.25%) - Yearly calculations	e	5.70	5.93	10.86	
Total Fixed Charges for year 2013-14 (a+b+c+d+e) - Yearly	f	1821.86	3721.19	2049.34	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2013-14	z	3,34,88,298	3,34,88,298	6,69,76,596	
Chargeable fixed charges (f x z/y)		10.78	22.02	36.87	
Total chargeable fixed charges (Rs. Lacs)		**69.67**			
Cost for DD - 2013-14 (Rs. Lacs)		5.11	10.43	17.47	**33.01**
Cost for DNH- 2013-14 (Rs. Lacs)		5.67	11.59	19.40	**36.66**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.

18/01/2022

TABLE- I(A) **2013**

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2013-14 (from 1.04.2013 to 31.03.2014)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	4	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		15	7	14	14	22	22	22	20
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2012-13		4	4	4	4	4	4	4	4
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2012-13 ##	s	439.14	439.14	5156.36	499.15	17.54	173.12	74.82	163.51
Net loan at the end of last year (p-q-r)	t	366.16	856.03	5171.00	500.57	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 19.06%)	a	118.89	118.89	1396.02	135.14	4.75	46.87	20.26	44.27
Interest on loan(12.25 % of Net Loan) (t x rate)	b	44.85	104.86	633.45	61.32	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	98.81	98.81	1160.18	112.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.67	0.67	1.17		0.34	0.34	0.22	0.22
O&M Expenses (Rs. In lakh per bay)	d2	65.46	65.46	65.46		45.82	45.82	45.82	45.82
O&M Expenses (as per tariff notification)	d	163.31	163.30	430.90	0.00	420.32	413.87	122.55	122.55
Components of working capital									
O&M Expenses for one Month	e1	13.61	13.61	35.91	0.00	35.03	34.49	10.21	10.21
Maintenance spares(15% p.a.of O&M expenses)	e2	24.50	24.50	64.63	0.00	63.05	62.08	18.38	18.38
Receivables equivalent to two month	e3	0.09	0.11	1.96	0.27	0.46	0.51	0.15	0.19
Interest on working capital(12.25%) - Yearly calculations	e	4.68	4.68	12.56	0.03	12.07	11.89	3.52	3.53
Total Fixed Charges for year 2013-14 (a+b+c+d+e) - Yearly	f	430.54	490.54	3633.11	308.80	437.14	487.53	146.33	180.67
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2013-14	z	73,05,555	73,05,555	1,46,11,109	1,46,11,109	73,05,555	73,05,555	73,05,555	73,05,555
Chargeable fixed charges (f x z/y) - Year		0.56	0.63	11.77	1.64	2.76	3.08	0.92	1.14

Cost for Goa - 2013-14 (Rs. Lakh) **22.50**

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2014-15
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	74,040
Cost for DD (Rs. Lakh)	**0.00**
Cost for DNH (Rs. Lakh)	**0.08**

Scheduled Drawal by Goa (kWh)	0
Cost for Goa (Rs. Lakh)	**0.00**

Total Cost (Rs. Lakh)	**0.08**

Deepak
18/01/2022

TABLE- I(B) 2014

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2014-15 (from 1.04.2014 to 31.03.2015)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**14**	**4**	**13**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2013-14		**5**	**4**	**5**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2013-14 ##	s	**3282.58**	**4350.72**	**3294.72**	
Net loan at the end of last year (p-q-r-s)	t	1977.01	10069.28	2429.86	
Calculation of Fixed charges (Lacs)					
Return on equity @20.19%	a	753.13	1247.74	755.91	
Interest on loan(13.50 % of Net Loan) (t x rate)	b	266.90	1359.35	328.03	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.40**	**0.40**	**0.71**	
O&M Expenses (Rs. In lakh per bay)	d2	**60.30**	**60.30**	**60.30**	
O&M Expenses (as per tariff notification)	d	175.54	175.54	323.92	
Components of working capital					
O&M Expenses for one Month	e1	14.63	14.63	26.99	
Maintenance spares(15% p.a.of O&M expenses)	e2	26.33	26.33	48.59	
Receivables equivalent to two month - Yearly Calculations	e3	0.00	0.00	0.01	
Interest on working capital(13.50%) - Yearly calculations	e	5.53	5.53	10.20	
Total Fixed Charges for year 2014-15 (a+b+c+d+e) - Yearly	f	1791.96	3767.08	2011.12	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2014-15	z	37,020	37,020	74,040	
Chargeable fixed charges (f x z/y)		0.01	0.02	0.04	
Total chargeable fixed charges (Rs. Lacs)		**0.08**			

Cost for DD - 2014-15 (Rs. Lacs)	0.00	0.00	0.00	**0.00**
Cost for DNH- 2014-15 (Rs. Lacs)	0.01	0.02	0.04	**0.08**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

TABLE- I(A) **2014**

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2014-15 (from 1.04.2014 to 31.03.2015)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	4	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		16	8	15	15	23	23	23	21
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2013-14		5	5	5	5	5	5	5	5
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2013-14 ##	s	548.92	548.92	6445.44	623.94	21.92	216.40	93.53	204.39
Net loan at the end of last year (p-q-r)	t	256.37	746.24	3881.92	375.78	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 20.19%)	a	125.94	125.94	1478.79	143.15	5.03	49.65	21.46	46.89
Interest on loan(13.50 % of Net Loan) (t x rate)	b	34.61	100.74	524.06	50.73	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	98.81	98.81	1160.18	112.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.61	0.61	1.06		0.30	0.30	0.20	0.20
O&M Expenses (Rs. In lakh per bay)	d2	60.30	60.30	60.30		42.21	42.21	42.21	42.21
O&M Expenses (as per tariff notification)	d	149.85	149.85	394.13	0.00	386.16	380.34	112.30	112.30
Components of working capital									
O&M Expenses for one Month	e1	12.49	12.49	32.84	0.00	32.18	31.70	9.36	9.36
Maintenance spares(15% p.a.of O&M expenses)	e2	22.48	22.48	59.12	0.00	57.92	57.05	16.84	16.84
Receivables equivalent to two month	e3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on working capital(13.50%) - Yearly calculations	e	4.72	4.72	12.42	0.00	12.16	11.98	3.54	3.54
Total Fixed Charges for year 2014-15 (a+b+c+d+e) - Yearly	f	413.93	480.05	3569.57	306.19	403.35	456.87	137.29	173.05
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2014-15	z	0	0	0	0	0	0	0	0
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cost for Goa - 2014-15 (Rs. Lakh)		**0.00**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2015-16
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	0
Cost for DD (Rs. Lakh)	**0.00**
Cost for DNH (Rs. Lakh)	**0.00**

Scheduled Drawal by Goa (kWh)	0
Cost for Goa (Rs. Lakh)	**0.00**

Total Cost (Rs. Lakh)	**0.00**

Deepak
18/01/2022

TABLE- I(B) 2015

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2015-16 (from 1.04.2015 to 31.03.2016)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**15**	**5**	**14**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2014-15		**6**	**5**	**6**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2014-15 ##	s	**3939.09**	**5438.40**	**3953.66**	
Net loan at the end of last year (p-q-r-s)	t	1320.49	8981.60	1770.91	
Calculation of Fixed charges (Lacs)					
Return on equity @17.09%	a	637.49	1056.16	639.85	
Interest on loan(13.50 % of Net Loan) (t x rate)	b	178.27	1212.52	239.07	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.42**	**0.42**	**0.73**	
O&M Expenses (Rs. In lakh per bay)	d2	**62.30**	**62.30**	**62.30**	
O&M Expenses (as per tariff notification)	d	181.45	181.45	334.73	
Components of working capital					
O&M Expenses for one Month	e1	15.12	15.12	27.89	
Maintenance spares(15% p.a.of O&M expenses)	e2	27.22	27.22	50.21	
Receivables equivalent to two month - Yearly Calculations	e3	0.00	0.00	0.00	
Interest on working capital(13.50%) - Yearly calculations	e	5.72	5.72	10.54	
Total Fixed Charges for year 2015-16 (a+b+c+d+e) - Yearly	f	1593.78	3434.75	1817.24	
SIL in MW	x	646	646	425	
MWh in year (x*366*24)	y	5674464	5674464	3733200	
Scheduled Drawal by DD & DNH - Year 2015-16	z	0	0	0	
Chargeable fixed charges (f x z/y)		0.00	0.00	0.00	
Total chargeable fixed charges (Rs. Lacs)		**0.00**			
Cost for DD - 2015-16 (Rs. Lacs)		0.00	0.00	0.00	**0.00**
Cost for DNH- 2015-16 (Rs. Lacs)		0.00	0.00	0.00	**0.00**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

TABLE- I(A) 2015

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2015-16 (from 1.04.2015 to 31.03.2016)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	4	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		17	9	16	16	24	24	24	22
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2014-15		6	6	6	6	6	6	6	6
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2014-15 ##	s	658.71	658.71	7734.53	748.72	26.31	259.68	112.23	245.26
Net loan at the end of last year (p-q-r)	t	146.59	636.46	2592.83	250.99	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 17.09%)	a	106.60	106.60	1251.73	121.17	4.26	42.03	18.16	39.69
Interest on loan(13.50 % of Net Loan) (t x rate)	b	19.79	85.92	350.03	33.88	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	98.81	98.81	1160.18	112.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.63	0.63	1.10		0.31	0.31	0.21	0.21
O&M Expenses (Rs. In lakh per bay)	d2	62.30	62.30	62.30		43.61	43.61	43.61	43.61
O&M Expenses (as per tariff notification)	d	154.87	154.86	407.17	0.00	398.96	392.95	116.06	116.06
Components of working capital									
O&M Expenses for one Month	e1	12.91	12.90	33.93	0.00	33.25	32.75	9.67	9.67
Maintenance spares(15% p.a.of O&M expenses)	e2	23.23	23.23	61.08	0.00	59.84	58.94	17.41	17.41
Receivables equivalent to two month	e3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on working capital(13.50%) - Yearly calculations	e	4.88	4.88	12.83	0.00	12.57	12.38	3.66	3.66
Total Fixed Charges for year 2015-16 (a+b+c+d+e) - Yearly	f	384.94	451.07	3181.94	267.36	415.78	462.26	137.88	169.73
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*366*24)	y	5674464	5674464	4523760	2766960	1159488	1159488	1159488	1159488
Scheduled Drawal by Goa - Year 2015-16	z	0	0	0	0	0	0	0	0
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cost for Goa - 2015-16 (Rs. Lakh)		**0.00**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

Deepak
18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2016-17
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	1,81,20,789
Cost for DD (Rs. Lakh)	**14.97**
Cost for DNH (Rs. Lakh)	**0.03**

Scheduled Drawal by Goa (kWh)	87,009
Cost for Goa (Rs. Lakh)	**0.11**

Total Cost (Rs. Lakh)	**15.11**

TABLE- I(B) 2016

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2016-17 (from 1.04.2016 to 31.03.2017)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**16**	**6**	**15**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2015-16		**7**	**6**	**7**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2015-16 ##	s	**4595.61**	**6526.08**	**4612.61**	
Net loan at the end of last year (p-q-r-s)	t	663.98	7893.92	1111.97	
Calculation of Fixed charges (Lacs)					
Return on equity @13.67%	a	509.92	844.81	511.80	
Interest on loan(13.50 % of Net Loan) (t x rate)	b	89.64	1065.68	150.12	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.43**	**0.43**	**0.76**	
O&M Expenses (Rs. In lakh per bay)	d2	**64.37**	**64.37**	**64.37**	
O&M Expenses (as per tariff notification)	d	187.49	187.49	345.82	
Components of working capital					
O&M Expenses for one Month	e1	15.62	15.62	28.82	
Maintenance spares(15% p.a.of O&M expenses)	e2	28.12	28.12	51.87	
Receivables equivalent to two month - Yearly Calculations	e3	0.37	0.82	1.31	
Interest on working capital(13.50%) - Yearly calculations	e	5.96	6.02	11.07	
Total Fixed Charges for year 2016-17 (a+b+c+d+e) - Yearly	f	1383.87	3082.91	1611.85	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2016-17	z	90,60,395	90,60,395	1,81,20,789	
Chargeable fixed charges (f x z/y)		2.22	4.94	7.85	
Total chargeable fixed charges (Rs. Lacs)		**15.00**			
Cost for DD - 2016-17 (Rs. Lacs)		2.21	4.93	7.83	**14.97**
Cost for DNH- 2016-17 (Rs. Lacs)		0.00	0.01	0.01	**0.03**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

18/01/2022

TABLE- I(A) **2016**

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2016-17 (from 1.04.2016 to 31.03.2017)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		18	10	17	17	25	25	25	23
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2015-16		7	7	7	7	7	7	7	7
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2015-16 ##	s	768.49	768.49	9023.62	873.51	30.69	302.95	130.94	286.14
Net loan at the end of last year (p-q-r)	t	36.80	526.67	1303.74	126.21	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 13.67%)	a	85.27	85.27	1001.24	96.92	3.41	33.62	14.53	31.75
Interest on loan(13.50 % of Net Loan) (t x rate)	b	4.97	71.10	176.00	17.04	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	98.81	98.81	1160.18	112.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.65	0.65	1.13		0.32	0.32	0.22	0.22
O&M Expenses (Rs. In lakh per bay)	d2	64.37	64.37	64.37		45.06	45.06	45.06	45.06
O&M Expenses (as per tariff notification)	d	159.97	159.96	291.89	0.00	412.32	406.10	119.93	119.93
Components of working capital									
O&M Expenses for one Month	e1	13.33	13.33	24.32	0.00	34.36	33.84	9.99	9.99
Maintenance spares(15% p.a.of O&M expenses)	e2	24.00	23.99	43.78	0.00	61.85	60.91	17.99	17.99
Receivables equivalent to two month	e3	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Interest on working capital(13.50%) - Yearly calculations	e	5.04	5.04	9.20	0.00	12.99	12.79	3.78	3.78
Total Fixed Charges for year 2016-17 (a+b+c+d+e) - Yearly	f	354.05	420.18	2638.51	226.27	428.71	467.41	138.23	165.78
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2016-17	z	43,505	43,505	87,009	87,009	43,505	43,505	43,505	43,505
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.05	0.01	0.02	0.02	0.01	0.01

Cost for Goa - 2016-17 (Rs. Lakh) **0.11**

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2017-18
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	0
Cost for DD (Rs. Lakh)	**0.00**
Cost for DNH (Rs. Lakh)	**0.00**

Scheduled Drawal by Goa (kWh)	0
Cost for Goa (Rs. Lakh)	**0.00**

Total Cost (Rs. Lakh)	**0.00**

Deepak
18/01/2022

TABLE- I(B) 2017

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2017-18 (from 1.04.2017 to 31.03.2018)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**17**	**7**	**16**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2016-17		**8**	**7**	**8**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2016-17 ##	s	**5252.12**	**7613.76**	**5271.55**	
Net loan at the end of last year (p-q-r-s)	t	7.46	6806.24	453.02	
Calculation of Fixed charges (Lacs)					
Return on equity @19.94%	a	743.80	1232.29	746.55	
Interest on loan(13.50 % of Net Loan) (t x rate)	b	1.01	918.84	61.16	
Depreciation(5.28% of 90 % capital cost)	c	590.86	978.91	593.05	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.45**	**0.45**	**0.78**	
O&M Expenses (Rs. In lakh per bay)	d2	**66.51**	**66.51**	**66.51**	
O&M Expenses (as per tariff notification)	d	193.68	193.68	357.30	
Components of working capital					
O&M Expenses for one Month	e1	16.14	16.14	29.78	
Maintenance spares(15% p.a.of O&M expenses)	e2	29.05	29.05	53.60	
Receivables equivalent to two month - Yearly Calculations	e3	0.00	0.00	0.00	
Interest on working capital(13.50%) - Yearly calculations	e	6.10	6.10	11.25	
Total Fixed Charges for year 2017-18 (a+b+c+d+e) - Yearly	f	1535.45	3329.82	1769.32	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2017-18	z	0	0	0	
Chargeable fixed charges (f x z/y)		0.00	0.00	0.00	
Total chargeable fixed charges (Rs. Lacs)		**0.00**			
Cost for DD - 2017-18 (Rs. Lacs)		0.00	0.00	0.00	**0.00**
Cost for DNH- 2017-18 (Rs. Lacs)		0.00	0.00	0.00	**0.00**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

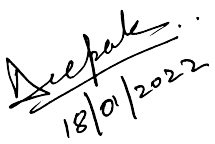


TABLE- I(A) **2017**

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2017-18 (from 1.04.2017 to 31.03.2018)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		19	11	18	18	26	26	26	24
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2016-17		8	8	8	8	8	8	8	8
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2016-17 ##	s	878.28	878.28	10312.71	998.30	35.08	346.23	149.64	327.02
Net loan at the end of last year (p-q-r)	t	0.00	416.89	14.65	1.42	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 19.94%)	a	124.38	124.38	1460.48	141.38	4.97	49.03	21.19	46.31
Interest on loan(13.50 % of Net Loan) (t x rate)	b	0.00	56.28	1.98	0.19	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	25.99	98.81	1160.18	112.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.67	0.67	1.17		0.33	0.33	0.22	0.22
O&M Expenses (Rs. In lakh per bay)	d2	66.51	66.51	66.51		46.55	46.55	46.55	46.55
O&M Expenses (as per tariff notification)	d	165.31	165.31	301.64	0.00	425.84	419.43	123.87	123.87
Components of working capital									
O&M Expenses for one Month	e1	13.78	13.78	25.14	0.00	35.49	34.95	10.32	10.32
Maintenance spares(15% p.a.of O&M expenses)	e2	24.80	24.80	45.25	0.00	63.88	62.91	18.58	18.58
Receivables equivalent to two month	e3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on working capital(13.50%) - Yearly calculations	e	5.21	5.21	9.50	0.00	13.41	13.21	3.90	3.90
Total Fixed Charges for year 2017-18 (a+b+c+d+e) - Yearly	f	320.89	449.98	2933.78	253.88	444.22	496.58	148.97	184.41
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2017-18	z	0	0	0	0	0	0	0	0
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cost for Goa - 2017-18 (Rs. Lakh)		**0.00**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2018-19
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	2,45,76,550
Cost for DD (Rs. Lakh)	**20.43**
Cost for DNH (Rs. Lakh)	**0.00**

Scheduled Drawal by Goa (kWh)	73,100
Cost for Goa (Rs. Lakh)	**0.10**

Total Cost (Rs. Lakh)	**20.53**

Deepak
18/01/2022

TABLE- I(B) 2018

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2018-19 (from 1.04.2018 to 31.03.2019)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**18**	**8**	**17**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2017-18		**9**	**8**	**9**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2017-18 ##	s	**5908.64**	**8701.44**	**5930.50**	
Net loan at the end of last year (p-q-r-s)	t	0.00	5718.56	0.00	
Calculation of Fixed charges (Lacs)					
Return on equity @25.93%	a	967.24	1602.47	970.82	
Interest on loan(13.50 % of Net Loan) (t x rate)	b	0.00	772.01	0.00	
Depreciation(5.28% of 90 % capital cost)	c	**146.28**	**978.91**	**138.67**	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.46**	**0.46**	**0.81**	
O&M Expenses (Rs. In lakh per bay)	d2	**68.71**	**68.71**	**68.71**	
O&M Expenses (as per tariff notification)	d	200.12	200.12	369.14	
Components of working capital					
O&M Expenses for one Month	e1	16.68	16.68	30.76	
Maintenance spares(15% p.a.of O&M expenses)	e2	30.02	30.02	55.37	
Receivables equivalent to two month - Yearly Calculations	e3	0.48	1.29	1.64	
Interest on working capital(13.50%) - Yearly calculations	e	6.37	6.48	11.85	
Total Fixed Charges for year 2018-19 (a+b+c+d+e) - Yearly	f	1320.01	3559.99	1490.48	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2018-19	z	1,22,88,275	1,22,88,275	2,45,76,550	
Chargeable fixed charges (f x z/y)		2.87	7.73	9.84	
Total chargeable fixed charges (Rs. Lacs)		**20.44**			
Cost for DD - 2018-19 (Rs. Lacs)		2.87	7.73	9.84	**20.43**
Cost for DNH- 2018-19 (Rs. Lacs)		0.00	0.00	0.00	**0.00**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

18/01/2022

TABLE- I(A) **2018**

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2018-19 (from 1.04.2018 to 31.03.2019)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		20	12	19	19	27	27	27	25
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2017-18		9	9	9	9	9	9	9	9
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2017-18 ##	s	988.06	988.06	11601.80	1123.08	39.46	389.51	168.35	367.89
Net loan at the end of last year (p-q-r)	t	0.00	307.11	0.00	0.00	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 25.93%)	a	161.75	161.75	1899.21	183.85	6.46	63.76	27.56	60.22
Interest on loan(13.50 % of Net Loan) (t x rate)	b	0.00	41.46	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	25.99	98.81	305.18	44.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.69	0.69	1.21		0.35	0.35	0.23	0.23
O&M Expenses (Rs. In lakh per bay)	d2	68.71	68.71	68.71		48.10	48.10	48.10	48.10
O&M Expenses (as per tariff notification)	d	170.77	170.77	311.66	0.00	440.16	433.52	127.94	127.94
Components of working capital									
O&M Expenses for one Month	e1	14.23	14.23	25.97	0.00	36.68	36.13	10.66	10.66
Maintenance spares(15% p.a.of O&M expenses)	e2	25.62	25.62	46.75	0.00	66.02	65.03	19.19	19.19
Receivables equivalent to two month	e3	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Interest on working capital(13.50%) - Yearly calculations	e	5.38	5.38	9.82	0.00	13.87	13.66	4.03	4.03
Total Fixed Charges for year 2018-19 (a+b+c+d+e) - Yearly	f	363.89	478.16	2525.87	228.16	460.48	525.84	159.53	202.52
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2018-19	z	36,550	36,550	73,100	73,100	36,550	36,550	36,550	36,550
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.04	0.01	0.01	0.02	0.01	0.01
Cost for Goa - 2018-19 (Rs. Lakh)		**0.10**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2019-20
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	6,45,82,258
Cost for DD (Rs. Lakh)	**37.78**
Cost for DNH (Rs. Lakh)	**0.01**

Scheduled Drawal by Goa (kWh)	67,165
Cost for Goa (Rs. Lakh)	**0.06**

Total Cost (Rs. Lakh)	**37.84**

Deepak
18/01/2022

TABLE- I(B) 2019

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2019-20 (from 1.04.2019 to 31.03.2020)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**19**	**9**	**18**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2018-19		**10**	**9**	**10**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2018-19 ##	s	**6565.15**	**9789.12**	**6589.44**	
Net loan at the end of last year (p-q-r-s)	t	0.00	4630.88	0.00	
Calculation of Fixed charges (Lacs)					
Return on equity @16.61%	a	619.59	1026.50	621.88	
Interest on loan(12.05 % of Net Loan) (t x rate)	b	0.00	558.02	0.00	
Depreciation(5.28% of 90 % capital cost)	c	**146.28**	**978.91**	**138.67**	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.50**	**0.50**	**0.88**	
O&M Expenses (Rs. In lakh per bay)	d2	**32.15**	**32.15**	**32.15**	
O&M Expenses (as per tariff notification)	d	132.71	132.71	231.68	
Components of working capital					
O&M Expenses for one Month	e1	11.06	11.06	19.31	
Maintenance spares(15% p.a.of O&M expenses)	e2	19.91	19.91	34.75	
Receivables equivalent to two month - Yearly Calculations	e3	0.86	2.56	2.88	
Interest on working capital(12.05%) - Yearly calculations	e	3.83	4.04	6.86	
Total Fixed Charges for year 2019-20 (a+b+c+d+e) - Yearly	f	902.41	2700.18	999.08	
SIL in MW	x	646	646	425	
MWh in year (x*366*24)	y	5674464	5674464	3733200	
Scheduled Drawal by DD & DNH - Year 2019-20	z	3,22,91,129	3,22,91,129	6,45,82,258	
Chargeable fixed charges (f x z/y)		5.14	15.37	17.28	
Total chargeable fixed charges (Rs. Lacs)		**37.78**			
Cost for DD - 2019-20 (Rs. Lacs)		5.13	15.36	17.28	**37.78**
Cost for DNH- 2019-20 (Rs. Lacs)		0.00	0.00	0.00	**0.01**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.
as per Appendix-I of T&C of Tariff 2019-2024@5.28% p.a.

TABLE- I(A) 2019

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2019-20 (from 1.04.2019 to 31.03.2020)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		21	13	20	20	28	28	28	26
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2018-19		10	10	10	10	10	10	10	10
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2018-19 ##	s	1097.85	1097.85	12890.89	1247.87	43.84	432.79	187.05	408.77
Net loan at the end of last year (p-q-r)	t	0.00	197.32	0.00	0.00	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 16.61%)	a	103.61	103.61	1216.58	117.77	4.14	40.84	17.65	38.58
Interest on loan(12.05 % of Net Loan) (t x rate)	b	0.00	23.78	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	25.99	98.81	305.18	44.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.76	0.76	1.32		0.38	0.38	0.25	0.25
O&M Expenses (Rs. In lakh per bay)	d2	32.15	32.15	32.15	0.36	22.51	22.51	22.51	22.51
O&M Expenses (as per tariff notification)	d	100.74	100.74	254.67	112.77	240.40	233.16	79.80	79.80
Components of working capital									
O&M Expenses for one Month	e1	8.40	8.39	21.22	9.40	20.03	19.43	6.65	6.65
Maintenance spares(15% p.a.of O&M expenses)	e2	15.11	15.11	38.20	16.92	36.06	34.97	11.97	11.97
Receivables equivalent to two month	e3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on working capital(12.05%) - Yearly calculations	e	2.83	2.83	7.16	3.17	6.76	6.56	2.24	2.24
Total Fixed Charges for year 2019-20 (a+b+c+d+e) - Yearly	f	233.18	329.76	1783.59	278.02	251.30	295.47	99.69	130.94
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*366*24)	y	5674464	5674464	4523760	2766960	1159488	1159488	1159488	1159488
Scheduled Drawal by Goa - Year 2019-20	z	33,583	33,583	67,165	67,165	33,583	33,583	33,583	33,583
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.03	0.01	0.01	0.01	0.00	0.00
Cost for Goa - 2019-20 (Rs. Lakh)		**0.06**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.
as per Appendix-I of T&C of Tariff 2019-2024@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

18/01/2022

CALCULATION OF TRANSMISSION CHARGES FOR WHEELING OF RGPPL POWER FROM MSETCL SYSTEM
YEAR 2020-21
Summary Sheet

Scheduled Drawal by DD & DNH (kWh)	3,23,43,789
Cost for DD (Rs. Lakh)	**19.09**
Cost for DNH (Rs. Lakh)	**0.00**

Scheduled Drawal by Goa (kWh)	52,806
Cost for Goa (Rs. Lakh)	**0.05**

Total Cost (Rs. Lakh)	**19.14**

TABLE- I(B) 2020

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO DD & DNH

YEAR 2020-21 (from 1.04.2020 to 31.03.2021)

Line name		RGPPL-Nagothane	RGPPL-Nagothane	Nagothane-Padghe	
Single/double circuit		s/c	s/c	d/c	
Circuit		I	II		
No. of bays		2	2	4	
Date of commisoning (1991-92 level)		2000	2010	2001	
Years since commissioning after 1991		**20**	**10**	**19**	
years since commissioning after 2001-02 till 2008-09		**8**	**0**	**8**	
years since commissioning after 2008-09 till 2019-20		**11**	**10**	**11**	
Voltage level (kV)		400 kV	400 kV	400 kV	
Line length(Ckt. km)		136	136	117	
Total capital cost (Rs lacs)		12434.00	20600.00	12480.00	
Equity (30 % of capital cost)		3730.20	6180.00	3744.00	
Debt (70 % of capital cost)=Loan taken	p	8703.80	14420.00	8736.00	
Cum. Depreciation upto 2000-01*	q	887.79	0.00	445.54	
Cum. Depreciation from 2001-02 to 2008-09 #	r	**2556.43**	**0.00**	**2565.89**	
Cum. Depreciation from 2009-10 upto 2019-20 ##	s	**7221.67**	**10876.80**	**7248.38**	
Net loan at the end of last year (p-q-r-s)	t	0.00	3543.20	0.00	
Calculation of Fixed charges (Lacs)					
Return on equity @17.25%	a	643.46	1066.05	645.84	
Interest on loan(12.05 % of Net Loan) (t x rate)	b	0.00	426.96	0.00	
Depreciation(5.28% of 90 % capital cost)	c	**146.28**	**978.91**	**138.67**	
O&M Expenses (Rs. In lakh per ckt-km)	d1	**0.52**	**0.52**	**0.91**	
O&M Expenses (Rs. In lakh per bay)	d2	**33.28**	**33.28**	**33.28**	
O&M Expenses (as per tariff notification)	d	137.42	137.42	239.82	
Components of working capital					
O&M Expenses for one Month	e1	11.45	11.45	19.99	
Maintenance spares(15% p.a.of O&M expenses)	e2	20.61	20.61	35.97	
Receivables equivalent to two month - Yearly Calculations	e3	0.44	1.24	1.49	
Interest on working capital(12.05%) - Yearly calculations	e	3.92	4.01	6.92	
Total Fixed Charges for year 2020-21 (a+b+c+d+e) - Yearly	f	931.07	2613.35	1031.25	
SIL in MW	x	646	646	425	
MWh in year (x*365*24)	y	5658960	5658960	3723000	
Scheduled Drawal by DD & DNH - Year 2020-21	z	1,61,71,895	1,61,71,895	3,23,43,789	
Chargeable fixed charges (f x z/y)		2.66	7.47	8.96	
Total chargeable fixed charges (Rs. Lacs)		**19.09**			

Cost for DD - 2020-21 (Rs. Lacs)	2.66	7.47	8.96	**19.09**
Cost for DNH- 2020-21 (Rs. Lacs)	0.00	0.00	0.00	**0.00**

Single Circuit Twin Conductor -RGPPL Nagothane
Double Circuit ASCR Zebra twin conductor Nagothane - Padhge
* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.
as per Appendix-I of T&C of Tariff 2019-2024@5.28% p.a.

18/01/2022

TABLE- I(A) 2020

CALCULATION OF TRANSMISSION CHARGES OF MSETCL SYSTEM FOR TRANSFER OF RGPPL POWER TO GOA

YEAR 2020-21 (from 1.04.2020 to 31.03.2021)

Line name		RGPPL-New Koyna		New Koyna-Karad	ICT at Karad	Karad-Kolhapur	Karad-Kolhapur	Kolhapur-Amona	
Single/double circuit		d/c		d/c		d/c	d/c	d/c	
Circuit		s/c 1	s/c 2			1 & 2	3 & 4	s/c 1	s/c 2
No. of bays		2	2	2	3	8	8	2	2
Date of commisoning (1991-92 level)		1998	2006	1999	1999	1970	1988	1978	1993
Years since commissioning after 1991		22	14	21	21	29	29	29	27
years since commissioning after 2001-02 till 2008-09		8	3	8	8	8	8	8	8
years since commissioning after 2008-09 till 2019-20		11	11	11	11	11	11	11	11
Voltage level (kV)		400 kV	400 kV	400 kV	400/220 kV	220 kV	220 kV	220 kV	220 kV
Line length(Ckt. km)		48.27	48.26	144		160	140.8	138	138
Total capital cost (Rs lacs) $		2079.25	2079.25	24414.56	2363.39	83.04	819.68	354.26	774.19
Equity (30 % of capital cost)		623.78	623.78	7324.37	709.02	24.91	245.90	106.28	232.26
Debt (70 % of capital cost)=Loan taken	p	1455.48	1455.48	17090.19	1654.37	58.13	573.78	247.98	541.93
Cum. Depreciation upto 2000-01*	q	222.69	0.00	1743.20	168.75	29.65	292.63	126.47	221.11
Cum. Depreciation from 2001-02 to 2008-09 #	r	427.49	160.31	5019.63	485.91	17.07	168.53	72.84	159.17
Cum. Depreciation from 2009-10 upto 2019-20 ##	s	1207.63	1207.63	14179.98	1372.66	48.23	476.07	205.76	449.65
Net loan at the end of last year (p-q-r)	t	0.00	87.54	0.00	0.00	0.00	0.00	0.00	0.00
Calculation of Fixed charges (Lacs)									
Return on equity (@ 17.25%)	a	107.60	107.60	1263.45	122.31	4.30	42.42	18.33	40.06
Interest on loan(12.05 % of Net Loan) (t x rate)	b	0.00	10.55	0.00	0.00	0.00	0.00	0.00	0.00
Depreciation(5.28% of 90 % capital cost)	c	25.99	98.81	305.18	44.31	0.00	14.90	0.00	10.32
O&M Expenses (Rs. In lakh per ckt-km)	d1	0.78	0.78	1.37		0.39	0.39	0.26	0.26
O&M Expenses (Rs. In lakh per bay)	d2	33.28	33.28	33.28	0.37	23.30	23.30	23.30	23.30
O&M Expenses (as per tariff notification)	d	104.26	104.25	263.55	116.87	248.96	241.45	82.48	82.48
Components of working capital									
O&M Expenses for one Month	e1	8.69	8.69	21.96	9.74	20.75	20.12	6.87	6.87
Maintenance spares(15% p.a.of O&M expenses)	e2	15.64	15.64	39.53	17.53	37.34	36.22	12.37	12.37
Receivables equivalent to two month	e3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest on working capital(12.05%) - Yearly calculations	e	2.93	2.93	7.41	3.29	7.00	6.79	2.32	2.32
Total Fixed Charges for year 2020-21 (a+b+c+d+e) - Yearly	f	240.78	324.14	1839.60	286.77	260.26	305.56	103.13	135.19
SIL in MW/ ICT MVA	x	646	646	515	315	132	132	132	132
MWh in year (x*365*24)	y	5658960	5658960	4511400	2759400	1156320	1156320	1156320	1156320
Scheduled Drawal by Goa - Year 2020-21	z	26,403	26,403	52,806	52,806	26,403	26,403	26,403	26,403
Chargeable fixed charges (f x z/y) - Year		0.00	0.00	0.02	0.01	0.01	0.01	0.00	0.00
Cost for Goa - 2020-21 (Rs. Lakh)		**0.05**							

* As per old method on full capital cost @3.57 % p.a.
# as per Appendix-II of T&C of Tariff 2004-2009@2.57% p.a.
as per Appendix-III of T&C of Tariff 2009-2014@5.28% p.a.
as per Appendix-II of T&C of Tariff 2014-2019@5.28% p.a.
as per Appendix-I of T&C of Tariff 2019-2024@5.28% p.a.

RGPPL-New Koyna Cost - 4158.50478 lakhs/2 for each circuit
RGPPL-New Koyna-Karad - quad AAAC Conductor

Deepak
18/01/2022

Initially Submitted Data

महापारेषण

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

CIN No.U40109MH2005SGC153646

From the office of Chief Engineer (STU),
Prakashganga, 4th floor/ 'A' Wing, Plot C -19, E - block, BKC, Bandra (East), Mumbai:- 51
(022) 26595175,
cestu@mahatransco.in

MSETCL/CO/C.E.-STU/R&C/No. No 05831 **DATE:** 14 OCT 2021

To,
Western Regional Power Committee (WRPC)
F-3, MIDC Area, Marol Opp. Seepz,
Central Road, Andheri (East)
Mumbai-400093.

Sub: Implementation of Hon'ble CERC order in Petition no.153/MP/2018 & Petition No.154/MP/2018.

Ref: 1) Hon'ble CERC final order in Petition no.153/MP/2018 & Petition No.154/MP/2018 dtd:04.02.2021.
2) WRPC Letter: WRPC/Comml-I/2021/2765 dtd:05.03.2021.

Sir,

With reference to the above subject and meeting held on dtd: 02.03.2021 through video conferencing, MSETCL was asked to furnish the Lines data for the contract path identified for wheeling of power from RGPPL to DNH & GOA.

As discussed, the data for the Lines of MSETCL involved in the contract path identified for wheeling of power from RGPPL to DNH & GOA is enclosed herewith for further calculation of the Monthly Transmission Charges from FY 2012-13 onwards.

Thanking You.

Yours faithfully,

Chief Engineer (STU)

Copy s.wr.to:
The Director (Operations/Finance), MSETCL, Prakashganga Mumbai.

Copy to:
CGM (F&A), MSETCL, Prakashganga, Mumbai.

Encl: As above

Sr No	Asset No	Name of the Line	No of Bays	Date of Commissioning	Voltage Level	Total Line Length (Ckt KM)	Remarks	Total Capital Cost (Rs. Lacs)	Equity (30 % Capital Cost)	Debt (70 % of Capital Cost = Loan Taken	Cum Depreciation upto 2000-01	Cum Depreciation from 2001-02 to 2008-09	Cum Depreciation from 2009-10 onwards	Interest on Loan	Depreciation	O&M Expenses (as per traiff notification	O&M Expenses for one Month	Maintenance spares
400 KV Karad-New Koyna																		
1	207070000075	400 KV Karad-New Koyna ckt I	2	07.01.1999	400 KV	72		1,07,74,62,117	32,32,38,635	75,42,23,482	2,99,27,229	10,09,54,519	67,75,72,732	42,22,89,728	80,84,54,480	11,52,000.00 (From 01.04.2020 to 31.03.2021)	96,000	-
2	207070000081	400 KV Karad-New Koyna ckt II	2	31.01.1999	400 KV	72		1,36,39,94,309	40,91,98,293	95,47,96,016	3,78,85,852	12,78,01,608	85,77,61,344	534590289.5	1,02,34,48,804			-
400/220 KV ICTs at Karad																		
3	205070001703	400/220 KV 315 MVA ICT-I (Make-NGEF)	1 (R Ph)	10.02.1991	400 KV	NA		7,55,81,418	2,26,74,425	5,29,06,993	2,26,74,425	3,41,15,892	1,12,32,959	**2,96,22,625**	6,80,23,276	-	-	-
	205070001705		1 (Y Ph)	21.03.1987	400 KV	NA		2,86,64,004	85,99,201	2,00,64,803	6,35,710	5,24,547	52,25,478	1,12,34,283	63,85,735	60,000	5,000	-
	20507001702 & 5709		1 (B Ph)	19.02.1988	400 KV	NA		6,26,89,173	1,88,06,752	4,38,82,421	14,86,252	2,38,25,089	1,04,47,761	2,45,69,768	3,57,59,101	70,000	5,833	13,73,000
4	205070001706	400/220 KV 315 MVA ICT-II (Make-NGEF)	1 (R Ph)	29.05.1994	400 KV	NA		4,61,03,527	1,38,31,058	3,22,72,469	13,63,249	3,32,78,354	68,51,570	1,80,69,355	4,14,93,173	0.00	0.00	0.00
	205070001709		1 (Y Ph)	29.05.1994	400 KV	NA		32,68,761	9,80,628	22,88,133	12,60,809	16,81,076	-	12,81,125	29,41,885	0.00	0.00	0.00
	205070001700		1 (B Ph)	17.09.1992	400 KV	NA		18,55,645	5,56,693	12,98,951	8,90,709	7,79,371	-	7,27,283	16,70,080	0.00	0.00	0.00
5	205070001707	400/220 KV 315 MVA ICT-III (Make-BHEL)	3	12.10.1998	400 KV	NA		1,81,76,663	54,52,999	1,27,23,664	49,07,699	1,14,51,297		71,23,979	1,63,58,996	130000.00	10833.33	0.00
	205070005756	ICT - IV NGEF MAKE (Spare ICT)	3	30.09.2019				3,10,86,460.93	93,25,938	2,17,60,523			41,07,897.45	1,21,83,717	41,07,897.45			
400 KV RGPPL (Dabhol)-New Koyna																		
6	207070000096	400 KV RGPPL (Dabhol)-New Koyna ckt I	2	18.05.1998	400 KV	48.269		41,58,50,478	12,47,55,143	29,10,95,335	3,19,37,316	7,45,20,405	25,05,52,971	16,29,84,278	35,70,10,692	10,92,000	91,000	25,000
7		400 KV RGPPL (Dabhol)-New Koyna ckt II	2	18.05.2006	400 KV	48.269												
400 KV RGPPL (Dabhol)-Nagothane																		
8	List Enclosed (Annexure A)	400 KV RGPPL (Dabhol)-Nagothane ckt I	2	03.02.2000	400 KV	135.929 (72 km @ Karad Zone)		1,24,34,00,000.00	37,30,20,000.00	87,03,80,000.00	-	44,76,24,000.00	49,23,86,400.00	48,73,25,762	94,00,10,400.00	12,00,000.00	1,00,000.00	2,30,000.00
9		400 KV RGPPL (Dabhol)-Nagothane ckt II	2	24.08.2010	400 KV	135.629 (73 km @ Karad Zone)		2,06,00,00,000.00	61,80,00,000.00	1,44,20,00,000.00	-	-	53,00,14,669.50	80,73,75,800	53,00,14,669.50	12,00,000.00	1,00,000.00	2,30,000.00
400 KV Nagothane-Padgha																		
10	List Enclosed (Annexure A)	400 KV Nagothane-Padgha Ckt I	2	03.02.2001	400 KV	117		1,24,80,00,000.00	37,44,00,000.00	87,36,00,000.00		40,43,52,000.00	49,42,08,000.00	48,91,28,640.00	89,85,60,000.00	12,00,000.00	1,00,000.00	2,30,000.00
11		400 KV Nagothane-Padgha Ckt II	2	03.02.2001	400 KV	117												
220 Kv Karad-Kolhapur																		
12	207040000027-0 & 207040000027-1	220 KV Karad-Nigade-Peth Mudshingi I (Kolhapur II)	2	01.05.1965	220 KV	46.8		26,75,242	8,02,572	18,72,669	24,07,717	Being asset in year 1965 90 % accumuleted dep. charged up to 2000-01, Hence dep. not charged in red coloumn.		10,48,507	24,07,717	2,229,105.69 (Expenditure for F.Y.2010-11 to 2020-21 as per SAP)	55,556	4,25,000
13	207060000195-0 & 207060000195-1	220 KV Karad-Mudshingi II (Kolhapur II)	2	19.07.1970	220 KV	75	220 KV Tembhu & Takari LIS tap on 220 KV Karad-Mudshingi Line. 220 KV Tembhu tap - 18.61 km 220 KV Takari Tap - 37.24 km	56,28,686	16,88,606	39,40,080	44,86,867	5,78,951	Being asset in year 1970 90 % accumuleted dep. charged up to 20005-06. Hence dep. not charged in red coloumn.	22,06,051	50,65,817	6666681.96 (Expenditure for F.Y.2010-11 to 2020-21 as per SAP)	55,556	4,25,000
14	207060000197-0 & '207060000197-1	220 Kv Karad-Kini Wathar-Mudshingi III (Kolhapur II)	4	20.03.1987	220 KV	55 + 27		8,19,68,243	2,45,90,473	5,73,77,770	4,61,07,137	2,45,90,473	30,73,809	3,21,25,814	7,37,71,419	10758680.06 (Expenditure for F.Y.2010-11 to 2020-21 as per SAP)	89,656	3,50,000
15		220 Kv Karad-Mudshingi IV (Kolhapur II)	2	25.06.1987	220 KV	75												
220 KV Kolhapur - Amona																		
16	207060000199-0 & 207060000199-1	220 KV Talandage (Kolhapur III) - Hamidwada - Mumewadi-Halkarni - Tillari-Amona	10	01.01.1978	220 KV	36 + 23 + 50 + 26 + 31 = 166 km		7,74,18,614	2,32,25,584	5,41,93,030	5,17,59,873	1,59,26,115	19,90,764	3,03,42,677	6,96,76,752	18522573.20 (Expenditure for F.Y.2010-11 to 2020-21 as per SAP)	1,54,355	13,197
17	207060000189-0 , 207060000189-1 & 207060000190-0 , 207060000190-1	220 KV Mudshingi(Kolhapur II) - Belewadi-Mumewadi-Halkarni-Mahalaxmi-Amona	10	01.01.1978	220 KV	55.13 + 6.3 + 50 + 38 + 27 = 176 km		3,54,26,263	1,06,27,879	2,47,98,384	2,36,84,987	72,87,688	9,10,961	1,38,84,615	3,18,83,637	16239879.58 (Expenditure for F.Y.2010-11 to 2020-21 as per SAP)	1,35,332	32,682

Sr No	Asset No	Name of the Line	Conductor Type	SIL (in MW)
400 KV Karad-New Koyna				
1	207070000075	400 KV Karad-New Koyna ckt I	Quad -AAAC -560Sq mm	646
2	207070000081	400 KV Karad-New Koyna ckt II	Quad -AAAC -560Sq mm	646
400/220 KV ICTs at Karad				
400 KV RGPPL (Dabhol)-New Koyna				
3	207070000096	400 KV RGPPL (Dabhol)-New Koyna ckt I	Quad -AAAC -560Sq mm	646
4		400 KV RGPPL (Dabhol)-New Koyna ckt II	Quad -AAAC -560Sq mm	646
400 KV RGPPL (Dabhol)-Nagothane				
5	List Enclosed (Annexure A)	400 KV RGPPL (Dabhol)-Nagothane ckt I	Twin -AAAC -560Sq mm	425
6		400 KV RGPPL (Dabhol)-Nagothane ckt II	Twin -AAAC -560Sq mm	425
400 KV Nagothane-Padgha				
7	List Enclosed (Annexure A)	400 KV Nagothane-Padgha Ckt I	0.4ACSR Zebra	132
8		400 KV Nagothane-Padgha Ckt II	0.4ACSR Zebra	132
220 Kv Karad-Kolhapur				
9	207040000027-0 & 207040000027-1	220 KV Karad-Nigade-Peth Mudshingi I (Kolhapur II)	0.4ACSR Zebra	132
10	207060000195-0 & 207060000195-1	220 KV Karad-Mudshingi II (Kolhapur II)	0.4ACSR Zebra	132
11	207060000197-0 & '207060000197-1	220 Kv Karad-Kini Wathar-Mudshingi III (Kolhapur II)	0.4ACSR Zebra	132
12		220 Kv Karad-Mudshingi IV (Kolhapur II)	0.4ACSR Zebra	132
220 KV Kolhapur - Amona				
13	207060000199-0 & 207060000199-1	220 KV Talandage (Kolhapur III) - Hamidwada - Mumewadi-Halkarni - Tillari-Amona	0.4ACSR Zebra	132
14	207060000189-0 , 207060000189-1 & 207060000190-0 , 207060000190-1	220 KV Mudshingi(Kolhapur II) - Belewadi-Mumewadi-Halkarni-Mahalaxmi-Amona	0.4ACSR Zebra	132

Sr No	Asset No	Name of the Line	Conductor Type	SIL (in MW)
400 KV Karad-New Koyna				
1	207070000075	400 KV Karad-New Koyna ckt I	0.5 Moose Twin	515
2	207070000081	400 KV Karad-New Koyna ckt II	0.5 Moose Twin	515
400/220 KV ICTs at Karad				
400 KV RGPPL (Dabhol)-New Koyna				
3	207070000096	400 KV RGPPL (Dabhol)-New Koyna ckt I	Quad -AAAC -560Sq mm	646
4		400 KV RGPPL (Dabhol)-New Koyna ckt II	Quad -AAAC -560Sq mm	646
400 KV RGPPL (Dabhol)-Nagothane				
5	List Enclosed (Annexure A)	400 KV RGPPL (Dabhol)-Nagothane ckt I	Quad -AAAC -560Sq mm	646
6		400 KV RGPPL (Dabhol)-Nagothane ckt II	Quad -AAAC -560Sq mm	646
400 KV Nagothane-Padgha				
7	List Enclosed (Annexure A)	400 KV Nagothane-Padgha Ckt I	Twin -AAAC -560Sq mm	425
8		400 KV Nagothane-Padgha Ckt II	Twin -AAAC -560Sq mm	425
220 Kv Karad-Kolhapur				
9	207040000027-0 & 207040000027-1	220 KV Karad-Nigade-Peth Mudshingi I (Kolhapur II)	0.4ACSR Zebra	132
10	207060000195-0 & 207060000195-1	220 KV Karad-Mudshingi II (Kolhapur II)	0.4ACSR Zebra	132
11	207060000197-0 & '207060000197-1	220 Kv Karad-Kini Wathar-Mudshingi III (Kolhapur II)	0.4ACSR Zebra	132
12		220 Kv Karad-Mudshingi IV (Kolhapur II)	0.4ACSR Zebra	132
220 KV Kolhapur - Amona				
13	207060000199-0 & 207060000199-1	220 KV Talandage (Kolhapur III) - Hamidwada - Mumewadi-Halkarni - Tillari-Amona	0.4ACSR Zebra	132
14	207060000189-0 , 207060000189-1 & 207060000190-0 , 207060000190-1	220 KV Mudshingi(Kolhapur II) - Belewadi-Mumewadi-Halkarni-Mahalaxmi-Amona	0.4ACSR Zebra	132

Effective Tax rate data submitted by MSETCL vide email dated 27.12.2021

MSETCL

Effcetive Tax Rates (Rs.)

Financial Year	Gross Total Income	Advance Tax Paid	Effective Tax Rate
A	B	C	D = C/B*100
2011-12	4,07,89,11,716	86,83,27,600	21.29%
2012-13	8,90,42,63,941	2,06,88,35,000	23.23%
2013-14	23,50,74,02,145	4,39,08,10,000	18.68%
2014-15	21,55,57,13,137	5,00,72,00,000	23.23%
2015-16	2,57,45,64,889	24,00,00,000	9.32%
2016-17	-1,79,48,37,407	4,31,00,000	-13.37%
2017-18	4,21,21,86,549	93,77,52,000	22.26%
2018-19	2,75,93,65,312	1,10,97,42,500	40.22%
2019-20	4,37,58,43,080	29,33,68,000	6.70%
2020-21	15,77,82,09,206	1,60,03,40,000	10.14%

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ–3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई–400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC/MO/DSM-LC/25-26/01 **Date: 17th April 2025**

To,
As per list attached/*मेलिंग सूची संलग्न है*

Sub: Opening of Letter of Credit (LC) against Deviation charges liability for FY 2025-26.
विषय: वित्तीय वर्ष 2025-26 के लिए विचलन शुल्क देनदारी के खिलाफ लेटर ऑफ क्रेडिट (एलसी) का निर्माण।

माननीय महोदय/महोदया,

माननीय केंद्रीय विद्युत नियामक आयोग (भिन्नता निपटान तंत्र और संबंधित मामलों) विनियमन, 2024 के विनियम 10 (2) और 10(3) जो 16 सितंबर 2024 से लागू हैं, में डिफॉल्टिंग संस्थाओं द्वारा क्रेडिट पत्र (LC) खोलने और RLDCs द्वारा उसी का नकदकरण करने का प्रावधान है। संदर्भ खंड नीचे दिया गया है:

Dear Sir/Madam,

Regulation 10 (2) & 10(3) of Hon'ble Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2024 implemented from 16th Sept'24 provides for the opening of Letter of Credit (LC) by the defaulting entities & encashment of same by RLDCs. Same is given below:

Quote

10 (2) Any regional entity which at any time during the previous financial year fails to make payment of charges for deviation within the time specified in these regulations, shall be required to open a Letter of Credit (LC) equal to 110% of their average payable weekly liability for deviations in the previous financial year in favour of the concerned Regional Load Despatch Centre within a fortnight from the start of the current financial year.

10 (3) In case of failure to pay into the Deviation and Ancillary Service Pool Account within 10 (ten) days from the date of issue of the statement of charges for deviation, the Regional Load Despatch Centre shall be entitled to encash the LC of the concerned regional entity to the extent of the default and the concerned regional entity shall recoup the LC amount within 3 days.

Unquote

वित्तीय वर्ष 2024-25 के दौरान, पूल सदस्यों द्वारा विषम शुल्क के भुगतान में डिफ़ॉल्ट और वित्तीय वर्ष 2025-26 के लिए खोले जाने वाले आवश्यक LC की राशि का गणना की गई है और इसे अनुबंध-1 में संलग्न किया गया है। हालाँकि, वित्तीय वर्ष 2024-25 के लिए डिफ़ॉल्ट करने वाले पूल सदस्य अभी भी मौजूदा वित्तीय वर्ष 2025-26 की शुरुआत से पंद्रह दिन बीतने के बावजूद LC नहीं खोल पाए हैं।

During the financial year 2024-25, default in payment of Deviation charges by pool members and required amount of LC to be opened for FY 2025-26 is calculated and enclosed in Annexure-1. However, the defaulted pool member for FY 2024-25 are yet to open LC even after elapse of a fortnight from the start of the current financial year 2025-26.

1/2

In view of above, the defaulted pool members are advised to take necessary action and arrange to open LC of the amount specified in Annexure-1 at the earliest, in favour of **'Grid Controller of India Limited, Western Regional Load Despatch Centre, Mumbai'**, against Deviation charges (Deviation Pool account name:- **GRID INDIA WR DEVIATION AND ANCILLARY SERVICE POOL ACCOUNT,** IFSC:- **SBIN0008599**), in line with Hon'ble Central Electricity Regulatory Commission (Deviation Settlement Mechanism and Related Matters) Regulations, 2024.

Format of SBLC (Standby Letter of Credit) is attached herewith and No other LC formats shall be acceptable to WRLDC, GRID-INDIA.

Thanking you,

Yours faithfully

तुषार रंजन मोहापात्रा

TR Mohapatra
GM (MO)

तुषार रंजन मोहापात्रा/Tushar Ranjan Mohapat
महाप्रबंधक / General Manager
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
GRID CONTROLLER OF INDIA LIMITED
प.क्षे.भा.प्रे.के. मुंबई.-93. / W.R.L.D.C., MUMBAI.-93.

ANNEXURE-1

Opening of Letter of credit (LC) against WR Deviation charges (DSM) liability for FY 2025-26.

S.No.	Name of DSM Pool Member	Amount of LC to be opened for FY 2025-26 (Rs. Lacs)
1	CSPDCL	207.36
2	ACBIL	23.47
3	SASAN Power limited	40.75
4	GMR Warora Energy ltd	7.90
5	JAYPEE NIGRI TPP	78.19
6	AMNSIL (ESIL)	222.92
7	Jhabua Power Ltd	41.55
8	TRN Energy Ltd.	5.37
9	Mahindra Renewable Pvt. Ltd (part of RUMS)	28.15
10	Ostro-Kutch Wind Pvt. Ltd.	70.33
11	Athena Jaipur (RUMS)	27.96
12	RENEW POWER	56.11
13	GIWEL SECI 2 (through MANIKARAN_BHUJ1_QCA)	54.23
14	GIWEL SECI 3 (through MANIKARAN_BHUJ1_QCA)	48.91
15	Alfanar Energy	59.28
16	Renew Wind AP2 (through MANIKARAN_BHUJ1_QCA)	42.06
17	ESPL	10.45
18	AVIKIRAN	25.27
19	POWERICA LIMITED	8.87
20	Netra Wind Private Limited (NWPL)	34.95
21	Apraava_Energy	33.48
22	SRSSFPL	4.99
23	MSEPL	15.76
24	Nani Virani Wind Energy Private Limited (NVWEPL)	136.23
25	Avaada Sunshine Energy Private Limited	23.19
26	SJVN GREEN ENERGY LIMITED (SGEL_RSP_S)	7.40
27	Beempow Energy Private Limited	32.19
28	VEDANTA LIMITED	14.66
29	RIL_Jamnagar	7.21

Standby Letter of Credit (SBLC)

(To be issued in MT760 Format by the Applicant's Bank)

SBLC REF NO.: _____
DATE: _____
SBLC AMOUNT: _____
EXPIRY DATE: _____

.

APPLICANT: ----------(HEREINAFTER CALLED " REGIONAL ENTITY")
BENEFICIARY: GRID CONTROLLER OF INDIA LTD., WESTERN REGIONAL LOAD DESPATCH CENTRE, MUMBAI (HEREINAFTER CALLED "WRLDC")

.

WHEREAS AS PER CERC DEVIATION SETTLEMENT MECHANISM AND RELATED MATTERS REGULATIONS, 2022 AND ANY AMENDMENTS THEREOF WHEREAS UNDER THE DEVIATION SETTLEMENT MECHANISM (DSM), THE REGIONAL ENTITY IS TO PAY THE DEVIATION CHARGE FROM TIME TO TIME TO A REGIONAL POOL ACCOUNT KNOWN AS 'DEVIATION AND ANCILLARY SERVICE POOL ACCOUNT' MAINTAINED BY WRLDC. ALL REGIONAL ENTITIES WHICH HAD AT ANY TIME DURING THE PREVIOUS FINANCIAL YEAR FAILED TO MAKE PAYMENT OF CHARGES FOR DEVIATION WITHIN THE TIME SPECIFIED IN THESE REGULATIONS SHALL BE REQUIRED TO OPEN A LETTER OF CREDIT (LC) EQUAL TO 110% OF ITS AVERAGE PAYABLE WEEKLY LIABILITY FOR DEVIATIONS IN THE PREVIOUS FINANCIAL YEAR, IN FAVOUR OF THE CONCERNED RLDC WITHIN A FORTNIGHT FROM THE DATE THESE REGULATIONS COME INTO FORCE.
DURING THE CURRENT FINANCIAL YEAR IF THE REGIONAL ENTITY FAILS TO MAKE PAYMENT WITHIN THE TIME SPECIFIED IN THESE REGULATIONS, THE RLDC SHALL BE ENTITILED TO ENCASH THE LETTER OF CREDIT(LC)OF THE CONCERNED REGIONAL ENTITY TO THE EXTENT OF THE DEFAULT AND CONCERNED REGIONAL ENTITY SHALL RECOUP THE LC AMOUNT WITHIN 3 DAYS.

.

IN ACCORDANCE WITH THE CERC DEVIATION SETTLEMENT MECHANISM AND RELATED MATTERS REGULATIONS, 2022 AND ANY AMENDMENTS THEREOF,AND AS PER THE PAYMENT CALUCATIONS STIPULATED ABOVE, WE ---------- (APPLICANT BANK) HEREBY ISSUE OUR IRREVOCABLE STANDBY LETTER OF CREDIT (SBLC) NO._____ IN FAVOUR OF BENEFICIARY: GRID CONTROLLER OF INDIA LTD., WESTERN REGIONAL LOAD DESPATCH CENTRE, MUMBAI BY ORDER OF APPLICANT --------(NAME OF THE APPLICANT),FOR AN AGGREGATE AMOUNT NOT EXCEEDING INR (INDIAN RUPEES _____ ONLY)VALID TILL 31.05.2024.

.

THIS STANDBY LETTER OF CREDIT IS AVAILABLE WITH THE ISSUING BANK BY PAYMENT AT SIGHT AGAINST PRESENTATION OF FOLLOWING DOCUMENTS:

.

1) BENEFICIARY'S SIGNED STATEMENT CERTIFYING THAT THE APPLICANT HAS FAILED TO PAY THE DEVIATION CHARGE TO THE 'DEVIATION AND ANCILLARY SERVICE POOL ACCOUNT'.

.

THIS STANDBY LETTER OF CREDIT IS VALID UNTIL 31.05.2024 AT THE COUNTER OF THE ISSUING BANK.

.

PARTIAL DRAWINGS ARE ALLOWED.
MULTIPLE DRAWINGS ARE ALLOWED.

.

THIS SBLC IS REVOLVING IN NATURE. UPON PAYMENT, THE AMOUNT OF SBLC WILL AUTOMATICALLY GET REINSTATED FOR THE EQUIVALENT AMOUNT OF LAST DRAWING.

.

ALL BANKING CHARGES ARE FOR ACCOUNT OF APPLICANT.

.

WE UNDERTAKE TO PAY BENEFICIARY BANK WITHIN 48 HOURS AFTER RECEIPT OF A VALID CLAIM WHICH CAN BE LODGED BY SENDING AN EMAIL TO THE FOLLOWING OFFICIAL ID- ( ), FAX TO THE FOLLOWING NUMBER -( ) OR A COURIER/REGISTERED POST/BY HAND TO THE FOLLOWING ADDRESS- ( )

.

THIS STANDBY LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES 98 (ISP98) OF INTERNATIONAL CHAMBER OF COMMERCE.

.

REGARDS,
(NAME OF THE BANK)

मेलिंग सूची:

1. मुख्य अभियंता (वाणिज्यिक), छत्तीसगढ़ विद्युत वितरण कंपनी लिमिटेड (C.S. Power Distribution Company Ltd.), डांगनिया, रायपुर- 492013।
2. उपाध्यक्ष (पावर छत्तीसगढ़), एसीबी इंडिया लिमिटेड (ACB India Ltd.), 2*135 मेगावाट की कसईपाली विद्युत परियोजना, कसईपाली, डाकघर- जवाली, तहसील- कटघोरा, कोरबा- छत्तीसगढ़-495445 ।
3. सासन पावर लिमिटेड (SASAN Power limited), रिलायंस सेंटर, प्रभात कॉलोनी के पास, ऑफिस वेस्टर्न एक्सप्रेस हाईवे, सांताक्रूज (पूर्व), मुंबई-400055 ।
4. प्लांट हेड, जीएमआर वरोरा एनर्जी लिमिटेड (GMR Warora Energy Ltd.), बी-1, एमआईडीसी, ग्रोथ सेंटर, वरोरा-पोस्ट चंद्रपुर-जिला, महाराष्ट्र-442907 ।
5. जेपी निगरी सुपर थर्मल पावर प्रोजेक्ट (जयप्रकाश पावर वेंचर्स लिमिटेड की एक इकाई) Jaypee Nigrie Super Thermal Power Project (A Unit of Jaiprakash Power Ventures Limited), ग्राम-निगरी, तहसील-सराय जिला- सिंगरौली, मध्य प्रदेश -486669 ।
6. एएमएनएसआईएल (पूर्व में ईएसआईएल) AMNSIL (Formerly ESIL), हजीरा, 27 किमी, सूरत हजीरा रोड, सूरत -394270 गुजरात ।
7. प्रमुख परियोजना, झाबुआ पावर लिमिटेड (Jhabua Power Ltd.), ग्राम- बेरेला, पोस्ट- अटारिया, तहसील - घनसोर, जिला- सिवनी,480997 (मध्य प्रदेश) ।
8. सीनियर वीपी-पावर , टीआरएन एनर्जी लिमिटेड (TRN Energy Ltd.), 18, वसंत एन्क्लेव, राव तुला राम मार्ग, नई दिल्ली - 110057 ।
9. महिंद्रा रिन्यूएबल्स प्राइवेट लिमिटेड (Mahindra Renewables Pvt Ltd), आरयूएमएस, उप मैनेजर, महिंद्रा टावर्स, डॉ. जीएम भोसले मार्ग, पीके कुर्ने चौक, वर्ली, मुंबई-400018 ।
10. ओस्ट्रो कच्छ विंड प्राइवेट लिमिटेड (OSTRO Kutch Wind Pvt. Ltd.), यूनिट नंबर जी-0, मीरा कॉरपोरेट सूट, 1 और 2 ईश्वर इंडस्ट्रियल एस्टेट, मथुरा रोड, नई दिल्ली -110065 ।
11. एथेना जयपुर सोलर पावर प्राइवेट लिमिटेड (Athena Jaipu Solar Power Pvt Ltd), आरयूएमएस, सीनियर मैनेजर, प्लॉट नंबर 152, सेक्टर-44, गुड़गांव-122002, हरियाणा ।
12. रिन्यू पावर लिमिटेड (ReNew Power Ltd), कमर्शियल ब्लॉक 1 जोन 6, गोल्फ रेस कोर्स रोड, डीएलएफ सिटी फेज वी हरियाणा गुरुग्राम -122009 ।
13. ग्रीन इंफ्रा विंड एनर्जी लिमिटेड, II (Green Infra Wind Energy Limited, II), 5 वीं मंजिल टॉवर सी, बिल्डिंग -8 डीएलएफ साइबर सिटी, हरियाणा गुरुग्राम 122002 ।
14. ग्रीन इंफ्रा विंड एनर्जी लिमिटेड, III (Green Infra Wind Energy Limited, III), 5 वीं मंजिल टॉवर सी, बिल्डिंग -8, डीएलएफ साइबर सिटी, हरियाणा गुरुग्राम 122002 ।
15. अल्फानार एनर्जी प्राइवेट लिमिटेड (Alfanar Energy Private Limited), 4, 419-424, जेएमडी मेगापोलिस, सेक्टर 48, सोहाना रोड, गुड़गांव, हरियाणा, 122002 ।
16. रिन्यू पवन ऊर्जा एपी2 (Renew Wind Energy AP2) एसईसीआई-III, ए/806, प्रीमियम हाउस, गांधी रेलवे स्टेशन के पास, आश्रम रोड, अहमदाबाद, गुजरात-380009 ।
17. इलेक्ट्रो सोलेयर प्राइवेट लिमिटेड (Electro Solaire Private Limited), ऑफिस-203, लेवल 2, पेंटागन-3, मगरपट्टा सिटी, हड़पसर, पुणे-411013, महाराष्ट्र ।
18. अविकिरण सोलर इंडिया प्राइवेट लिमिटेड (Avikiran Solar India Private Limited), 14 वीं मंजिल, टावर बी, वाटिका टावर्स, डीएलएफ गोल्फ कोर्स रोड, सनसिटी, सेक्टर 54, गुरुग्राम-122003 ।
19. पावरिका लिमिटेड (POWERICA LIMITED), विंड पावर डिवीजन, 9 वीं मंजिल, सी विंग, गोदरेज कोलिज़ीयम, एवरर्ड नगर के पीछे, सायन-ट्रॉम्बे रोड, सायन, मुंबई – 400022 ।
20. नेत्रा विंड प्राइवेट लिमिटेड Netra Wind Private Limited(NWPL), 15वीं मंजिल, बिल्डिंग नं. 5, टावर-बी, डीएलएफ साइबर सिटी, फेज- II, गुरुग्राम, हरियाणा – 122002 ।
21. अप्रावा एनर्जी प्राइवेट लिमिटेड (APRAAVA ENERGY PRIVATE LIMITED), 7वीं मंजिल, फुलक्रम, सहार रोड, अंधेरी पूर्व, मुंबई - 400 099 ।
22. शेरिशा रूफटॉप सोलर एसपीवी फोर प्राइवेट लिमिटेड (SHERISHA ROOFTOP SOLAR SPV FOUR PVT LTD), 11वीं मंजिल, बास्कॉन फ़्यूचूरा एसवी आईटी पार्क, वेंकटनारायण रोड, टी नगर, चेन्नई 600017 ।
23. मसाया सोलर एनर्जी प्राइवेट लिमिटेड (MASAYA SOLAR ENERGY PRIVATE LIMITED), 85, डियरवुड चेज़, निर्वाण कंट्री, यूनिटेक सेक्टर 50, साउथ सिटी 2 के पास, गुरुग्राम-122003 ।
24. नानी विरानी विंड एनर्जी प्राइवेट लिमिटेड (तत्कालीन आईनॉक्स ग्रीन एनर्जी सर्विसेज लिमिटेड/आईनॉक्स विंड) Nani Virani Wind Energy Private Limited (erstwhile INOX GREEN ENERGY SERVICES LIMITED/INOX WIND), 301, एबीएस टॉवर, ओल्ड पद्रा रोड, वडोदरा-390007, गुजरात ।

25. अवदा सनशाइन एनर्जी प्राइवेट लिमिटेड (Avaada Sunshine Energy Private Limited), सी-11, सेक्टर-85, गौतम बुद्ध नगर, नोएडा, यूपी-201301 ।
26. एसजेवीएन ग्रीन एनर्जी लिमिटेड (SJVN GREEN ENERGY LIMITED), एसजेवीएन कॉर्पोरेट ऑफिस कॉम्प्लेक्स, शानन, शिमला - 171006 हिमाचल प्रदेश ।
27. बींपाव एनर्जी प्राइवेट लिमिटेड (Beempow Energy Private Limited), दूसरी मंजिल, स्क्वायर वन मॉल साकेत बिजनेस डिस्ट्रिक्ट, कोर्ट चौक नई दिल्ली 110017 ।
28. वेदांता लिमिटेड (Vedanta Limited), ग्राउंड फ्लोर, 3359 वार्ड नंबर 1, लुंकंड पेट्रोल पंप के पास, रिंग रोड 2, हीरापुर रायपुर, तातिबंध, रायपुर, छत्तीसगढ़-492099
29. रिलायंस इंडस्ट्रीज लिमिटेड (Reliance Industries Limited Jamnagar), पीओ मोतीखवड़ी, मेघपर पडाना गागवा, जामनगर, गुजरात, 361140
30. मणिकरण एनालिटिक्स लिमिटेड (Manikaran Analytics Limited), डी-21 कॉर्पोरेट पार्क, सेक्टर-21, द्वारका, नई दिल्ली - 110077

कृपया आपकी जानकारी के लिए:

1. **सदस्य सचिव, पश्चिमी क्षेत्रीय विद्युत समिति, मुंबई**
2. **कार्यकारी निदेशक, पश्चिमी क्षेत्रीय भार प्रेषण केंद्र, मुंबई**

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

संदर्भ संख्या/Ref No.: WRLDC/MO/Recon/Q4/FY 2024-25 दिनाँक: 30 अप्रैल 2025

सेवा में,
संलग्न सूची के अनुसार।

To,
As per list attached.

विषय: वित्तीय वर्ष 2024-25 की चतुर्थ तिमाही के लिए डब्ल्यूआरएलडीसी द्वारा प्रबंधित विचलन निपटान तंत्र (द्वितीयक रिजर्व सहायक सेवा, तृतीय रिजर्व सहायक सेवा और सुरक्षा बाधित यूनिट प्रतिबद्धता) विनियामक पूल खाते, प्रतिक्रियाशील ऊर्जा शुल्क (आरईसी)नियामक पूल खाते एवं कंजेशन चार्ज शुल्क का पुनर्मिलान।

Sub: Reconciliation of Deviation Settlement Mechanism (including SRAS, TRAS and SCUC), Reactive Energy Charges & congestion charges Regulatory Pool Account managed by WRLDC for Quarter-4 of FY 2024-25.

महोदया/महोदय,
Dear Sir/Madam,

यह पत्र पश्चिमी क्षेत्र के सभी विचलन निपटान तंत्र के क्षेत्रीय पूल सदस्यों के लिए पहले से ही अपलोड और ईमेल किए गए वित्तीय वर्ष 2024-25 की तीसरी तिमाही के पुनर्मिलान के क्रम मे है। कृपया वित्त वर्ष 2024-25 की चतुर्थ तिमाही के लिए विचलन निपटान तंत्र (द्वितीयक रिजर्व सहायक सेवा, तृतीय रिजर्व सहायक सेवा और सुरक्षा बाधित यूनिट प्रतिबद्धता), प्रतिक्रियाशील ऊर्जा शुल्क (आरईसी) खाते एवं कंजेशन चार्ज शुल्क खाते आपकी ओर से पुनर्मिलान के पुष्टीकरण हेतु संलग्न विवरण प्राप्त करें, जिसमें विचलन शुल्क, द्वितीयक रिजर्व सहायक सेवा, तृतीय रिजर्व सहायक सेवा, सुरक्षा बाधित यूनिट प्रतिबद्धता शुल्क, प्रतिक्रियाशील ऊर्जा शुल्क (आरईसी) एवं कंजेशन चार्ज शुल्क के भुगतान और संवितरण का विवरण है।
अपरलिखित खातों का पुनर्मिलान विवरण डब्ल्यूआरएलडीसी वेबसाइट पर अपलोड कर दिया गया है, जिनके लिंक नीचे सूची में उपलब्ध हैं।

क्र.सं.	खाता	वेबसाइट लिंक
1	विचलन निपटान तंत्र (द्वितीयक, तृतीय रिजर्व सहायक सेवा और सुरक्षा बाधित यूनिट प्रतिबद्धता)	https://wrldc.in/content/226_1_DSM.aspx
2	प्रतिक्रियाशील ऊर्जा शुल्क (आरईसी) खाते	https://wrldc.in/content/228_1_Reactive.aspx
3	कंजेशन चार्ज शुल्क खाते	https://wrldc.in/content/229_1_Congestion.aspx

50 वें सप्ताह (10-03-25 to 16-03-25) तक जारी किए गए विचलन निपटान तंत्र (द्वितीयक रिजर्व सहायक सेवा,

तृतीय रिजर्व सहायक सेवा और सुरक्षा बाधित यूनिट प्रतिबद्धता), प्रतिक्रियाशील ऊर्जा शुल्क (आरईसी) एवं कंजेशन चार्ज शुल्क के खातों और 31 मार्च 2025 तक भुगतान/प्राप्त भुगतान को पुनर्मिलान के लिए लिया गया है।

This is in continuation to the reconciliation statements already uploaded and emailed to all the DSM Regional Pool members of Western Region for quarter **Q4 of FY 2024-25**. Please find enclosed the DSM (including SRAS, TRAS and SCUC), reactive energy charges & congestion charges reconciliation statement, containing the details of payment and disbursement of Deviation charges, SRAS Charges, TRAS Charges, SCUC, reactive change & congestion charge for **Q4 of FY 2024-25** for confirmation of reconciliation at your end. The reconciliation statement of DSM (including SRAS, TRAS and SCUC), Reactive energy charges & congestion charges have been uploaded on WRLDC website at the links tabulated below:-

S.No.	Account	Website Link
1	DSM (including SRAS, TRAS and SCUC) account	https://wrldc.in/content/226_1_DSM.aspx
2	Reactive Energy Charges account	https://wrldc.in/content/228_1_Reactive.aspx
3	Congestion Charges account	https://wrldc.in/content/229_1_Congestion.aspx

DSM, SRAS, TRAS, SCUC, reactive and congestion accounts issued up to **50th week (10-03-25 to 16-03-25)** and payment paid/received up to **31st March 2025** are considered for reconciliation.

आपसे अनुरोध है कि विवरण को सत्यापित करें और हस्ताक्षरित और मुद्रांकित मिलान की प्रति को रिकॉर्ड के लिए डब्लूआरएलडीसी को लौटा दें। यहाँ यह बताना आवश्यक है की हस्ताक्षरित पुनर्मिलान का पुष्टीकरण 10 दिन के भीतर न प्राप्त होने की दशा मे उक्त को अंतिम मान लिया जाएगा।

You are requested to verify the statement and return the signed and stamped reconciled copy to WRLDC for records. It is to mention here that in case of non-receipt of signed reconciliation within 10 days, the reconciliation from WRLDC side will be considered as final.

सधन्यवाद

भवदीय

तुषार रंजन मोहपात्रा

(तुषार रंजन मोहपात्रा)
महाप्रबंधक (बाज़ार संचालन)
पश्चिमी क्षेत्रीय भार प्रेषण केंद्र,मुंबई

मेलिंग सूची

1. मुख्य अभियंता (वाणिज्यिक), छत्तीसगढ़ विद्युत वितरण कंपनी लिमिटेड (C.S. Power Distribution Company Ltd.), डांगनिया, रायपुर- 492013 ।
2. मुख्य अभियंता (राज्य भार प्रेषण केंद्र), एमपीपीटीसीएल (MPPTCL), नयागांव, रामपुर, जबलपुर, 482008, मध्य प्रदेश ।
3. मुख्य अभियंता (भार प्रेषण), राज्य भार प्रेषण केंद्र, गेटको (GETCO), गोत्री, वडोदरा-390021।
4. मुख्य अभियंता (भार प्रेषण), महाराष्ट्र स्टेट इलेक्ट्रिसिटी ट्रांसमिशन कंपनी लिमिटेड (Maharashtra State Electricity Transmission Co.Ltd.), राज्य भार प्रेषण केंद्र, कलवा, ठाणे-बेलापुर रोड, ऐरोली, नवी मुंबई - 400 708 ।
5. मुख्य विद्युत अभियंता, गोवा विद्युत विभाग (Goa Electricity Department), विद्युत भवन, तीसरी मंजिल, पणजी, गोवा- 403 001 ।
6. कार्यकारी अभियंता, विद्युत विभाग, दमन और दीव (Daman & Diu), ओआईडीसी केंद्रीय कार्यालय प्लॉट नं. 35, सोमनाथ, दमन-396210 ।
7. डीएनएच डिस्ट्रीब्यूशन कॉर्पोरेशन लिमिटेड (DNH Distribution Corporation Ltd), पहली मंजिल, विद्युत भवन , सचिवालय के सामने , सिलवासा-396230 ।
8. कार्यकारी निदेशक, डब्ल्यूआरटीएस-I (एचवीडीसी भद्रावती, चंपा, विंध्यांच एल और रायगढ़), पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड (Power Grid Corporation of India Ltd.), डाकघर उप्पलवाड़ी सम्प्रतिनगर, नागपुर – 440026 ।
9. महाप्रबंधक (वाणिज्यिक), एनटीपीसी (NTPC), समृद्धि ट्रेड कॉम्प्लेक्स, दूसरी मंजिल, एमआईडीसी, मरोल, अंधेरी (पूर्व), मुंबई-400 093 ।
10. मुख्य विद्युत नियंत्रक, जिंदल पावर लिमिटेड (Jindal Power Limited), जिंदल सुपर थर्मल पावर प्लांट के सामने , ग्राम डाकघर : तमनार तहसील घरघोड़ा, जिला: रायगढ़ (छत्तीसगढ़) 496107 ।
11. महाप्रबंधक (वाणिज्यिक), लैनको अमरकंटक पावर प्राइवेट लिमिटेड (LANCO Amarkantak Power Pvt. Ltd.) , प्लॉट नंबर 397, फेज- III, उद्योग विहार, गुड़गांव- 122016, हरियाणा ।
12. उप महाप्रबंधक (सीपी और वाणिज्यिक), एनएसपीसीएल (NSPCL), 15, एनबीसीसी टॉवर, भीकाजी कामा प्लेस, नई दिल्ली-110066 ।
13. उपाध्यक्ष (पावर छत्तीसगढ़), एसीबी इंडिया लिमिटेड (ACB India Ltd.), 2*135 मेगावाट की कसईपाली विद्युत परियोजना, कसईपाली, डाकघर- जवाली, तहसील- कटघोरा, कोरबा- छत्तीसगढ़-495445 ।
14. सहायक महाप्रबंधक (ओ एंड एम / ओ एंड ई) रत्नागिरी गैस एंड पावर प्राइवेट लिमिटेड (Ratnagiri Gas and Power Pvt Limited), डाकघर: अंजानवेल, तालुका: गुहाघर जिला: रत्नागिरी (महाराष्ट्र) - पिन 415703 ।
15. टाटा पावर कंपनी लिमिटेड (टीपीसीएल), The Tata Power Company Limited (TPCL), (erstwhile Coastal Gujrat Power Limited), बॉम्बे हाउस, 24 होमी मोदी स्ट्रीट, मुंबई - 400 001 महाराष्ट्र ।
16. प्रमुख परियोजनाएं, भारत एल्युमिनियम कंपनी लिमिटेड (Bharat Aluminium Co. Ltd - BALCO, (बाल्को), डाकघर: बाल्को नगर, जिला कोरबा -495684 छत्तीसगढ़ ।
17. सहायक महाप्रबंधक (एफ़ एंड ए), डीसीपीपी जेएसपीएल (DCPP JSPL), डोंगमहुआ कैप्टिव पावर प्लांट (4 * 135 मेगावाट), धौराभाटा डाकघर, रायगढ़ -496107 (छत्तीसगढ़) ।
18. महान एनर्जी लिमिटेड (पूर्व में एस्सार पावर एमपी लिमिटेड) MAHAN ENERGEN LIMITED (Formerly Essar Power MP Limited) , बंधौरा, करसुलाल, सिंगरौली, मध्य प्रदेश - 486886। पंजीकृत पता: अदाणी हाउस, सी-105, आनंद निकेतन, नई दिल्ली 110021 ।
19. सासन पावर लिमिटेड (SASAN Power limited), रिलायंस सेंटर, प्रभात कॉलोनी के पास, ऑफिस वेस्टर्न एक्सप्रेस हाईवे, सांताक्रूज (पूर्व), मुंबई-400055 ।
20. प्लांट हेड, जीएमआर वरोरा एनर्जी लिमिटेड (GMR Warora Energy Ltd.), बी-1, एमआईडीसी, ग्रोथ सेंटर, वरोरा-पोस्ट चंद्रपुर-जिला, महाराष्ट्र-442907 ।
21. केएसके महानदी पावर कंपनी लिमिटेड (KSK Mahanadi Power CO. LTD) , 8-2-293/82/ए/431/ए, रोड नंबर 22, जुबली हिल्स, हैदराबाद-500033 ।
22. उपाध्यक्ष (वाणिज्यिक), वंदना विद्युत लिमिटेड (Vandana Vidhut Ltd.), वंदना भवन, एमजी रोड, रायपुर-492001- छत्तीसगढ़ ।
23. अदानी पावर लिमिटेड_रायगढ़ टीपीपी (पूर्व में रायगढ़ ऊर्जा उत्पादन), Adani Power Limited_Raigarh TPP (erstwhile Raigarh Energy Generation), अदानी कॉरपोरेट हाउस, शांतिग्राम, एनआर. वैष्णो देवी सर्कल, एसजी हाईवे, खोडियार, अहमदाबाद, गुजरात-382421 ।

24. डी बी पावर लिमिटेड (D B Power Ltd.), तीसरी मंजिल, नमन कॉरपोरेट लिंक, सी-31, जी-ब्लॉक, बीकेसी बांद्रा पूर्व मुंबई-400051 ।
25. एएमएनएसआईएल (पूर्व में ईएसआईएल) AMNSIL (Formerly ESIL), हजीरा, 27 किमी, सूरत हजीरा रोड, सूरत -394270 गुजरात ।
26. जेपी निगरी सुपर थर्मल पावर प्रोजेक्ट (जयप्रकाश पावर वेंचर्स लिमिटेड की एक इकाई) Jaypee Nigrie Super Thermal Power Project (A Unit of Jaiprakash Power Ventures Limited), ग्राम-निगरी, तहसील-सराय जिला- सिंगरौली, मध्य प्रदेश -486669 ।
27. टोरेंट एनर्जी लिमिटेड, डीजीईएन मेगा पावर प्रोजेक्ट (DGEN Mega power project), प्लॉट नंबर जेड-9,दहेज सेज क्षेत्र (पूर्वी तरफ) तालुका वागरा जिला भरूच -392130 गुजरात ।
28. अदानी पावर लिमिटेड_रायपुर टीपीपी (पूर्व में रायपुर एनर्जेन लिमिटेड), Adani Power Limited_Raipur TPP (erstwhile Raipur Energen Ltd), अदानी कॉरपोरेट हाउस, शांतिग्राम, एनआर. वैष्णो देवी सर्कल, एसजी हाईवे, खोडियार, अहमदाबाद, गुजरात-382421 ।
29. महाप्रबंधक -समन्वय, धारीवाल इंफ्रास्ट्रक्चर लिमिटेड (Dhariwal Infrastruture Ltd.), सी-6, तडाली ग्रोथ सेंटर, एमआईडीसी तडाली, जिला चंद्रपुर, महाराष्ट्र-442406 ।
30. मुख्य महाप्रबंधक, आरकेएम पावरजेन प्राइवेट लिमिटेड (RKM Powergen Pvt. Ltd.), ग्राम उचपिंडा, डाकघर धुरकोट, वाया चंद्रपुर, तहसील- डबरा, जांजगीर-चांपा जिला, छत्तीसगढ़-495692 ।
31. सहायक महाप्रबंधक (थर्मल प्रोजेक्ट्स), एमबी पावर लिमिटेड (MB POWER Limited), होटल गोविंदम, कोतमा रोड, अनूपपुर, मध्य प्रदेश -484224 ।
32. प्रमुख परियोजना, झाबुआ पावर लिमिटेड (Jhabua Power Ltd.), ग्राम- बेरेला, पोस्ट- अटारिया, तहसील - घनसोर, जिला-सिवनी,480997 (मध्य प्रदेश) ।
33. सीनियर वीपी-पावर , टीआरएन एनर्जी लिमिटेड (TRN Energy Ltd.), 18, वसंत एन्क्लेव, राव तुला राम मार्ग, नई दिल्ली -110057 ।
34. एसकेएस पावर जेनरेशन लिमिटेड (SKS Power Generation Ltd.), 501-बी एलिगेंट बिजनेस पार्क, अंधेरी कुर्ला रोड, जेबी नगर, मुंबई-400059 ।
35. पी.ए.ओ, वेतन और लेखा कार्यालय, लेखा अनुभाग, जीएसओ, बीएआरसी (BARC)-एनआरबी-तारापुर, घिवली तालुका, जिला- पालघर, पिन नंबर 401 502 ।
36. तकनीकी सेवा अधीक्षक, काकरापार परमाणु ऊर्जा परियोजना 3 और 4 (Kakrapar Atmoic Power Project 3&4), डाकघर: अनुमाला, जिला: सूरत, गुजरात-394651 ।
37. महिंद्रा रिन्यूएबल्स प्राइवेट लिमिटेड (Mahindra Renewables Pvt Ltd), आरयूएमएस, उप मैनेजर, महिंद्रा टावर्स, डॉ. जीएम भोसले मार्ग, पीके कुर्ने चौक, वर्ली, मुंबई-400018 ।
38. अरिन्सन क्लीन एनर्जी प्राइवेट लिमिटेड (Arinsun Clean Energy Pvt Ltd), आरयूएमएस, निर्माण प्रबंधक, यूनिट -3, एसीईपीएल, रीवा अल्ट्रा मेगा सोलर प्लांट, गुढ़ तहसील, जिला- रीवा, मध्य प्रदेश – 486553 ।
39. एथेना जयपुर सोलर पावर प्राइवेट लिमिटेड (Athena Jaipu Solar Power Pvt Ltd), आरयूएमएस, सीनियर मैनेजर, प्लॉट नंबर 152, सेक्टर-44, गुड़गांव-122002, हरियाणा ।
40. ओस्ट्रो कच्छ विंड प्राइवेट लिमिटेड (OSTRO Kutch Wind Pvt. Ltd.), यूनिट नंबर जी-0, मीरा कॉरपोरेट सूट, 1 और 2 ईश्वर इंडस्ट्रियल एस्टेट, मथुरा रोड, नई दिल्ली -110065 ।
41. रिन्यू पावर लिमिटेड (ReNew Power Ltd), कमर्शियल ब्लॉक 1 जोन 6, गोल्फ रेस कोर्स रोड, डीएलएफ सिटी फेज वी हरियाणा गुरुग्राम -122009 ।
42. ग्रीन इंफ्रा विंड एनर्जी लिमिटेड, II (Green Infra Wind Energy Limited, II), 5 वीं मंजिल टॉवर सी, बिल्डिंग -8 डीएलएफ साइबर सिटी, हरियाणा गुरुग्राम 122002 ।
43. ग्रीन इंफ्रा विंड एनर्जी लिमिटेड, III (Green Infra Wind Energy Limited, III), 5 वीं मंजिल टॉवर सी, बिल्डिंग -8, डीएलएफ साइबर सिटी, हरियाणा गुरुग्राम 122002 ।
44. नानी विरानी विंड एनर्जी प्राइवेट लिमिटेड (तत्कालीन आईनॉक्स ग्रीन एनर्जी सर्विसेज लिमिटेड/आईनॉक्स विंड) Nani Virani Wind Energy Private Limited (erstwhile INOX GREEN ENERGY SERVICES LIMITED/INOX WIND), 301, एबीएस टॉवर, ओल्ड पद्रा रोड, वडोदरा-390007, गुजरात
45. अदानी विंड एनर्जी कच्छ वन लिमिटेड (Adani Wind Energy Kutchh One Limited), अदानी कॉरपोरेट हाउस, शांतिग्राम, एनआर. वैष्णो देवी सर्कल, एसजी हाईवे, खोडियार, अहमदाबाद, गुजरात-382421 ।
46. अल्फानार एनर्जी प्राइवेट लिमिटेड (Alfanar Energy Private Limited), 4, 419-424, जेएमडी मेगापोलिस, सेक्टर 48, सोहाना रोड, गुड़गांव, हरियाणा, 122002 ।
47. रिन्यू पवन ऊर्जा एपी2 (Renew Wind Energy AP2) एसईसीआई-III, ए/806, प्रीमियम हाउस, गांधी रेलवे स्टेशन के पास, आश्रम रोड, अहमदाबाद, गुजरात-380009 ।

48. गुजरात इंडस्ट्रीज पावर कंपनी लिमिटेड (Gujarat Industries Power Company Limited), रानोली, जिला: वडोदरा, गुजरात – 391350 ।
49. इलेक्ट्रो सोलेयर प्राइवेट लिमिटेड (Electro Solaire Private Limited), ऑफिस-203, लेवल 2, पेंटागन-3, मगरपट्टा सिटी, हड़पसर, पुणे-411013, महाराष्ट्र ।
50. टाटा पावर रिन्यूएबल एनर्जी लिमिटेड (Tata Power Renewable Energy Limited), कॉर्पोरेट सेंटर, 34, संत तुकाराम रोड, कार्नैक बंदर, मुंबई - 400009, महाराष्ट्र ।
51. गुजरात राज्य विद्युत निगम लिमिटेड (Gujarat State Electricity Corporation Limited) और गुजरात राज्य विद्युत निगम लिमिटेड-चरण II (Gujarat State Electricity Corporation Limited-Phase II), विद्युत भवन, रेस कोर्स, वडोदरा-390007, गुजरात ।
52. अविकिरण सोलर इंडिया प्राइवेट लिमिटेड (Avikiran Solar India Private Limited), 14 वीं मंजिल, टावर बी, वाटिका टावर्स, डीएलएफ गोल्फ कोर्स रोड, सनसिटी, सेक्टर 54, गुरुग्राम-122003 ।
53. डीएनएचडीडीपीडीसीएल (DNHDDPDCL), पहली और दूसरी मंजिल, विद्युत भवन , सचिवालय भवन के बगल में, 66 केवी रोड, दादरा और नगर हवेली और दमन और दीव – 396230 ।
54. पावरिका लिमिटेड (POWERICA LIMITED), विंड पावर डिवीजन, 9 वीं मंजिल, सी विंग, गोदरेज कोलिज़ीयम, एवरर्ड नगर के पीछे, सायन-ट्रॉम्बे रोड, सायन, मुंबई – 400022 ।
55. साइटेक काबिनी रिन्यूएबल्स प्राइवेट लिमिटेड (Sitac Kabini Renewables Pvt Ltd), 5वीं मंजिल, 506, द स्पायर, 150 फीट रिंग रोड, अयोध्या चौक के पास, राजकोट, गुजरात – 360006 ।
56. सृजन एनर्जी सिस्टम्स प्राइवेट लिमिटेड (Srijan Energy Systems Pvt Ltd), 402 और 404, डेल्फी, सी विंग, हीरानंदानी बिजनेस पार्क, ऑर्चर्ड एवेन्यू, पवई, मुंबई – 400076 ।
57. अदानी विंड एनर्जी एमपी वन प्राइवेट लिमिटेड (Adani Wind Energy MP One Private Limited), सी-105, आनंद निकेतन , नई दिल्ली-110021 (संचार कार्यालय: अदानी कॉरपोरेट हाउस, शांतिग्राम , नं . वैष्णो देवी सर्कल, एसजी हाईवे, खोडियार , अहमदाबाद -382421, गुजरात) ।
58. नेत्रा विंड प्राइवेट लिमिटेड Netra Wind Private Limited(NWPL), 15वीं मंजिल, बिल्डिंग नं. 5, टावर-बी, डीएलएफ साइबर सिटी, फेज- II, गुरुग्राम, हरियाणा – 122002 ।
59. अदानी विंड एनर्जी कच्छ फोर लिमिटेड (Adani Wind Energy Kutchh Four Limited), चौथी मंजिल, साउथ विंग, अदानी कॉरपोरेट हाउस, शांतिग्राम, वैष्णो देवी सर्कल के पास, एस.जी. हाईवे, खोडियार, अहमदाबाद - 382 421, गुजरात ।
60. अप्रावा एनर्जी प्राइवेट लिमिटेड (APRAAVA ENERGY PRIVATE LIMITED), 7वीं मंजिल, फुलक्रम, सहार रोड, अंधेरी पूर्व, मुंबई - 400 099 ।
61. शेरिशा रूफटॉप सोलर एसपीवी फोर प्राइवेट लिमिटेड (SHERISHA ROOFTOP SOLAR SPV FOUR PVT LTD), 11वीं मंजिल, बास्कॉन फ़्यूचूरा एसवी आईटी पार्क, वेंकटनारायण रोड, टी नगर, चेन्नई 600017 ।
62. मसाया सोलर एनर्जी प्राइवेट लिमिटेड (MASAYA SOLAR ENERGY PRIVATE LIMITED), 85, डियरवुड चेज़, निर्वाण कंट्री, यूनिटेक सेक्टर 50, साउथ सिटी 2 के पास, गुरुग्राम-122003 ।
63. टोरेंट सोलरजेन लिमिटेड (TORRENT SOLARGEN LIMITED), "समन्वय", 600 तपोवन, अंबावाड़ी, अहमदाबाद, गुजरात – 380015 ।
64. सुजेन कलेक्टिव (SUGEN COLLECTIVE), सुजेन मेगा पावर प्रोजेक्ट (टोरेंट पावर लिमिटेड), राष्ट्रीय राजमार्ग संख्या 48 के पास, कामरेज, सूरत, गुजरात।
65. अदानी रिन्यूएबल एनर्जी होल्डिंग फोर लिमिटेड Adani Renewable Energy Holding Four Limited (AREH4L), चौथी मंजिल, साउथ विंग, अदानी कॉर्पोरेट हाउस, शांतिग्राम, एनआर। वैष्णो देवी सर्कल, एस.जी. हाईवे, खोडियार, अहमदाबाद - 382421, गुजरात।
66. अदानी ग्रीन एनर्जी ट्वेंटी फाइव बी लिमिटेड (Adani Green Energy Twenty Five B Limited), अदानी कॉर्पोरेट हाउस, शांतिग्राम, वैष्णो देवी सर्कल के पास, एसजी हाईवे, खोडियार, अहमदाबाद - 382421, गुजरात।
67. अदानी ग्रीन एनर्जी ट्वेंटी फोर ए लिमिटेड (Adani Green Energy Twenty Four A Limited), अदाणी कॉरपोरेट हाउस, शांतिग्राम, वैष्णो देवी सर्कल के पास, एसजी हाईवे, खोडियार, अहमदाबाद - 382421, गुजरात।
68. अवदा सनशाइन एनर्जी प्राइवेट लिमिटेड (Avaada Sunshine Energy Private Limited), सी-11, सेक्टर-85, गौतम बुद्ध नगर, नोएडा, यूपी-201301 ।
69. एसजेवीएन ग्रीन एनर्जी लिमिटेड (SJVN GREEN ENERGY LIMITED), एसजेवीएन कॉर्पोरेट ऑफिस कॉम्प्लेक्स, शानन, शिमला - 171006 हिमाचल प्रदेश ।
70. बींपाव एनर्जी प्राइवेट लिमिटेड (Beempow Energy Private Limited), दूसरी मंजिल, स्क्वायर वन मॉल साकेत बिजनेस डिस्ट्रिक्ट, कोर्ट चौक नई दिल्ली 110017 ।
71. टीपी सौर्या लिमिटेड (TP Saurya Limited), सी/ओ द टाटा पावर कंपनी लिमिटेड, कॉर्पोरेट सेंटर बी, 34 संत तुकाराम रोड, कार्नाक बंदर, मुंबई 400 009, महाराष्ट्र ।

72. जीएसपीसी पिपावा पावर कंपनी लिमिटेड (जीएसपीसी_पिपावा) GSPC Pipavav Power Company Limited (GSPC_PIPAVAV_GJ), गुजरात स्टेट एनर्जी जेनरेशन लिमिटेड दूसरी मंजिल, एफएफ शेड नंबर ए/78/3-8, जीआईडीसी इलेक्ट्रॉनिक एस्टेट, पटनी कंप्यूटर्स के पास (आईगेट), सेक्टर 25, गांधीनगर 382016, गुजरात ।
73. गुजरात स्टेट एनर्जी जेनरेशन लिमिटेड (Gujarat State Energy Generation Limited), एफएफ शेड नंबर ए/78/3-8, जीआईडीसी इलेक्ट्रॉनिक एस्टेट, पटनी कंप्यूटर्स के पास (आईगेट), सेक्टर 25, गांधीनगर-382016, गुजरात।
74. गुजरात राज्य विद्युत निगम लिमिटेड (धुवरन जीबीपी 1) Gujarat State Electricity Corporation Limited (DHUVARAN_GBP_1_GJ), विद्युत भवन, रेस कोर्स, वडोदरा 390007।
75. गुजरात राज्य विद्युत निगम लिमिटेड (धुवरन जीबीपी 2) Gujarat State Electricity Corporation Limited (DHUVARAN_GBP_2_GJ), विद्युत भवन, रेस कोर्स, वडोदरा 390007।
76. गुजरात राज्य विद्युत निगम लिमिटेड (धुवरन जीबीपी 3) Gujarat State Electricity Corporation Limited (DHUVARAN_GBP_3_GJ), विद्युत भवन, रेस कोर्स, वडोदरा 390007।
77. गुजरात राज्य विद्युत निगम लिमिटेड (उतरन जीबीपी 2) Gujarat State Electricity Corporation Limited (UTRAN_GBP_2_GJ), विद्युत भवन, रेस कोर्स, वडोदरा 390007।
78. टाटा पावर कंपनी लिमिटेड (टीपीसीएल यू 7 ट्रॉम्बे) The Tata Power Company Limited (TPCL_U7_TROMBAY_MH), यूनिट नंबर 5 ट्रॉम्बे थर्मल पावर स्टेशन, चेंबूर माहुल मुंबई 400074।
79. टोरेंट पावर लिमिटेड (यूनोसुजेन) Torrent Power Limited (UNOSUGEN), यूनोसुजेन पावर प्रोजेक्ट, ऑफ नेशनल हाईवे नं. 48, तालुका कामरेज, जिला सूरत गुजरात 394155।
80. एनटीपीसी नवीकरणीय ऊर्जा लिमिटेड (NTPC_REL_SJPR_RUMS_S), एनटीपीसी नवीकरणीय ऊर्जा लिमिटेड, ग्राउंड फ्लोर, वित्त विभाग, विंध्यनगर, सिंगरौली, मध्य प्रदेश-486885
81. वेदांता लिमिटेड (Vedanta Limited), ग्राउंड फ्लोर, 3359 वार्ड नंबर 1, लुंकंड पेट्रोल पंप के पास, रिंग रोड 2, हीरापुर रायपुर, तातिबंध, रायपुर, छत्तीसगढ़-492099
82. रिलायंस इंडस्ट्रीज लिमिटेड (Reliance Industries Limited Jamnagar), पीओ मोतीखवड़ी, मेघपर पडाना गागवा, जामनगर, गुजरात, 361140
83. अडानी नवीकरणीय ऊर्जा चालीस आठ लिमिटेड (Adani Renewable Energy Forty Eight Limited), अडानी हाउस, 56, श्रिमाली सोसाइटी, नवरणगपुरा रोड, अहमदाबाद, गुजरात-380009
84. अडानी रिन्यूएबल एनर्जी फोर्टी-वन लिमिटेड (ARE41L_PSS13), अडानी कॉर्पोरेट हाउस, शांतिग्राम, एनआर. वैनश्नो देवी सर्कल, एस.जी. हाईवे, खोडीयार, शांतिग्राम, अहमदाबाद, गुजरात-382421
85. अडानी नवीनीकरण ऊर्जा पचावन लिमिटेड (ARE57AL_PSS13), अडानी कॉर्पोरेट हाउस, शांतिग्राम, Nr. वैष्णोदेवी सर्कल, S. G. हाईवे, खोडियार, शांतिग्राम, अहमदाबाद, गुजरात-382421
86. रीन्यू ग्रीन एनर्जी सॉल्यूशन्स प्राइवेट लिमिटेड (RGESPL_PSS4), कोटक महिंद्रा बैंक लिमिटेड। ग्राउंड फ्लोर, जी.एस. पॉइंट, सीएसटी रोड, विश्वविद्यालय परिसर के सामने, कालिना, मुंबई - पिन कोड 400098।
87. अंबुजा सीमेंट लिमिटेड (ACL_PSS4), आदानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णोदेवी चौराहा, एस. जी. हाईवे, खोदियार, शांतिग्राम, अहमदाबाद, गुजरात-382421
88. अडानी ग्रीन एनर्जी 24 लिमिटेड (AGE24L_PSS4), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस. जी. हाईवे, खोदiyar, शांतिग्राम, अहमदाबाद, गुजरात-382421
89. अडानी हाइब्रिड ऊर्जा जैसलमेर फाइव लिमिटेड (AHEJ5L_PSS4), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस.जी. हाईवे, खोडीयार, शांतिग्राम, अहमदाबाद, गुजरात-382421
90. अडानी पोर्ट्स और विशेष आर्थिक क्षेत्र लिमिटेड (APSEZ_PSS4), अडानी कॉर्पोरेट हाउस, शांतिग्राम, Nr. वैष्णोदेवी सर्कल, S.G. हाईवे, खोदiyar, शांतिग्राम, अहमदाबाद, गुजरात-382421
91. अडानी रिन्यूएबल एनर्जी फोर्टी वन लिमिटेड (ARE41L_PSS4), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस. जी. हाईवे, खोदियार, शांतिग्राम, अहमदाबाद, गुजरात-382421
92. अडानी नवीकरणीय ऊर्जा पचपन लिमिटेड (ARE56L_PSS4), अडानी कॉर्पोरेट हाउस, शांतिग्राम, Nr. वैष्णोदेवी सर्कल, S.G. हाईवे, खोदiyar, शांतिग्राम, अहमदाबाद, गुजरात-382421
93. अडानी ग्रीन एनर्जी ट्वेंटी फोर लिमिटेड (ARE24L_PSS5_KPS1_S), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस. जी. हाईवे, खोडियार, शांतिग्राम, अहमदाबाद, गुजरात-382421
94. अडानी हाइब्रिड ऊर्जा जैसलमेर फाइव लिमिटेड (AHEJ5L_PSS5_KPS1_S), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस.जी. हाईवे, खोडीयार, शांतिग्राम, अहमदाबाद, गुजरात-382421
95. अडानी पोर्ट्स और विशेष आर्थिक क्षेत्र लिमिटेड (APSEZ_PSS5_KPS1_S), अडानी कॉर्पोरेट हाउस, शांतिग्राम, Nr. वैष्णोदेवी सर्कल, S.G. हाईवे, खोदiyar, शांतिग्राम, अहमदाबाद, गुजरात-382421
96. अडानी नवीकरणीय ऊर्जा चालीस पांच लिमिटेड (ARE45L_PSS5_KPS1_S), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस. जी. हाईवे, खोडियार, शांतिग्राम, अहमदाबाद, गुजरात-382421

97. अडानी रिन्यूएबल एनर्जी फिफ्टी फाइव लिमिटेड (ARE55L_PSS5_KPS1_S), अडानी कॉर्पोरेट हाउस, शांतिग्राम, नजदीक वैष्णो देवी सर्कल, एस.जी. हाईवे, खोडियार, शांतिग्राम, अहमदाबाद, गुजरात-382421
98. मणिकरण एनालिटिक्स लिमिटेड (MANIKARAN_BHUJ1_QCA), 3वीं मंजिल, डी 21 कॉर्पोरेट पार्क, द्वारका सेक्टर 21, नई दिल्ली 110077
99. अडानी रिन्यूएबल एनर्जी होल्डिंग फाइव लिमिटेड (AREH5L_KHAVDAPS1_QCA), अडानी कॉर्पोरेट हाउस, शांतिग्राम, NR. वैष्णोदेवी सर्कल, S. G. हाईवे, खोदियॉर, शांतिग्राम, अहमदाबाद, गुजरात-382421
100. मणिकरण एनालिटिक्स लिमिटेड (MANIKARAN_BHUJ2_QCA), 3वीं मंजिल, डी 21 कॉर्पोरेट पार्क, द्वारका सेक्टर 21, नई दिल्ली 110077

प्रति सादर जानकारी के लिए:-

1 सदस्य सचिव, पश्चिमी क्षेत्रीय विद्युत समिति, मुंबई ।
2 कार्यपालक निदेशक, पश्चिमी क्षेत्रीय भार प्रेषण केंद्र ।

Annexure-22

ग्रिड-इंडिया GRID-INDIA
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
GRID CONTROLLER OF INDIA LIMITED
(A Government of India Enterprise)
[formerly Power System Operation Corporation Limited (POSOCO)]
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र / Western Regional Load Despatch Centre
कार्यालय : एफ-3, एम. आई. डी. सी. क्षेत्र, मरोल, अंधेरी (पूर्व), मुंबई-400093
Office : F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai- 400093
CIN : U40105DL2009GOI188682, Website : www.wrldc.in, E-mail : wrldc@grid-india.in, Tel.: 022 28202690, Fax: 022 28235434, 28202630

WRLDC/MO/F&C-LC/25-26/ 389 **Date: 30-06-2025**

To,
As per list attached

Subject: Opening of Letter of Credit (LC) for the FY 2025-26 due to default in Payment of Fees and Charges during the FY 2024-25.

Sir,

The Hon'ble CERC has notified Central Electricity Regulatory Commission (Fees and Charges of Regional Load Despatch Centre and other related matters) Regulations, 2024 dated 1st August 2024 and Clause 32 & 33 of the Regulations is read as below:

Quote

"32. Operationalizing the Payment Security Mechanism (PSM) and its consequences:

(1) Users shall make regular payment of RLDC charges. In case of default in making payment of RLDC charges, the concerned RLDC may direct the user to maintain an unconditional, irrevocable, and adequate PSM in the form of a Letter of Credit.

(2) PSM shall be equivalent to 110% of last year's maximum monthly LDC Charges.

(3) In case of non-maintenance of PSM, RLDC may regulate open access to users as per Regulation 33 of these regulations.

33. Regulation of access to defaulting entities:

*(1) In case of **non-payment of dues by the users or in case of non-maintenance of payment security mechanism** after the default trigger date, the scheduling of electricity for the defaulting entity shall be regulated as follows:*

(a) T-GNA, including already approved T-GNA, for the sale and purchase of electricity through short term contracts, including in the power exchange, shall be regulated entirely:

(b) Provided further that the NLDC may, under exceptional circumstances for grid security, temporarily review the regulation of T-GNA and record the reasons for doing so in writing.

(c) If, even one month after the regulation of the T-GNA, the dues remain unpaid, apart from the regulation of the short term contracts under T-GNA in its entirety, the short term contracts under GNA shall be regulated entirely.

(d) The reduction or withdrawal of access for sale and purchase of electricity through contracts other than short-term contracts shall be in such a manner that the quantum of reduction in drawl or injection schedule increases progressively by ten per cent (10%) for each month of default.

(2) In case of default by the transmission licensee, on intimation by RLDC, after the default trigger date, CTU shall transfer the due amount for RLDC from the amount recovered from drawee DICs towards yearly transmission charges for such defaulting ISTS transmission licensee within 7 days from the date of issuance of such intimation by RLDC.

(3) Upon payment of outstanding dues or maintaining adequate Payment Security Mechanism, as the case may be, the regulation of access shall cease to operate, and access shall be restored at the earliest, but not later than one day, excluding the day on which payment is made."

Unquote

During the financial year 2024-25, the Users mentioned in **Annexure-I** has defaulted in payment of Fees & Charges.

Further, it may be noted that, WRLDC is maintaining the account in **State Bank of India** and account detail is shared below. It is requested to open unconditional LC in favor of the same account only.

Account Name	Account No	IFSC Code	Branch Name With Address
Grid Controller of India Limited	40232781809	SBIN0017313	Corporate Accounts Group Branch (17313), 5th Floor, Parsvnath Capital Tower, Gola Market, New Delhi - 110001

It is pertinent to note that all charges on account of opening/amendment/encashment of LC have to be borne by the defaulting User only.

We are hereby attaching the format of SBLC (Standby Letter of Credit) as **Annexure-II** and all are advised to open the LC in the attached format only immediately. No other LC formats shall be acceptable.

धन्यवाद।

सादर,

(टी आर मोहापात्रा)
महाप्रबंधक, एमओ एवं आर ए

तुषार रंजन मोहापात्रा/Tushar Ranjan Mohapatra
महाप्रबंधक / General Manager
ग्रिड कंट्रोलर ऑफ इंडिया लिमिटेड
GRID CONTROLLER OF INDIA LIMITED
प.क्षे.भा.प्रे.के. मुंबई.-93. / W.R.L.D.C., MUMBAI.-93.

Mailing List

1. Alfanar Energy Private Limited
2. Apraava Energy Private Limited
3. Beempow Energy Private Limited
4. Chhattisgarh-WR Transmission Limited
5. Kallam Transmission Limited
6. Khavda-Bhuj Transmission Ltd
7. MPSEZ Utilities Limited
8. Nani Virani Wind Energy Private Limited
9. Powergrid Bhuj Transmission Limited
10. Powergrid Neemuch Transmission System Limited
11. ReNew Wind Energy (AP2) Private Limited
12. Sherisha Rooftop Solar SPV Four Private Limited
13. Warora Kurnool Transmission Limited
14. WRSS XXI(A) Transco Limited

Copy to:

1. Member Secretary, W.R.P.C, Mumbai.
2. ED, WRLDC.
3. SLDC, Gujarat

Annexure-I

Opening of Letter of credit (LC) against WRLDC Fees and Charges liability for FY 2025-26.

Sl. No.	Name of Users	Month in which payment done after due date during FY 2024-25	Max Billed Amount in FY 2024-25 (₹)	Max Billed Amount Month	110% of Max Billed Amount (LC Amount to be opened) (₹)
1	Alfanar Energy Private Limited	Aug-24	119918	Apr-24	131910
2	Apraava Energy Private Limited	Sep-24	83943	Apr-24	92337
3	Beempow Energy Private Limited	Jul-24	138483	May-24	152331
4	Chhattisgarh-WR Transmission Limited	Apr-24	138445	Apr-24	152290
5	Kallam Transmission Limited	Sep-24	95529	Apr-24	105082
6	Khavda-Bhuj Transmission Ltd	Sep-24	412441	Apr-24	453685
7	MPSEZ Utilities Limited	FY 2024-25	22139	Apr-24	24353
8	Nani Virani Wind Energy Private Limited	Apr-24, Jun-24, Aug-24, Oct-24, Dec-24, Feb-25	19987	Apr-24	21986
9	Powergrid Bhuj Transmission Limited	Sep-24	452231	Apr-24	497454
10	Powergrid Neemuch Transmission System Limited	Apr-24	152449	Apr-24	167694
11	ReNew Wind Energy (AP2) Private Limited	Jun-24	119918	Apr-24	131910
12	Sherisha Rooftop Solar SPV Four Private Limited	Dec-24	19987	Apr-24	21986
13	Warora Kurnool Transmission Limited	May-24, Jun-24	66390	Apr-24	73029
14	WRSS XXI(A) Transco Limited	May-24	304935	Apr-24	335429

Annexure-II

Standby Letter of Credit (SBLC)
(To be issued in MT760 Format by the Applicant's Bank)

SBLC REF NO.: _____
DATE: _____
SBLC AMOUNT: _____
EXPIRY DATE: _____

.

APPLICANT: ---------- (HEREINAFTER CALLED "REGIONAL ENTITY")
BENEFICIARY: GRID CONTROLLER OF INDIA LTD., WESTERN REGIONAL LOAD DESPATCH CENTRE, MUMBAI (HEREINAFTER CALLED "WRLDC")

.

WHEREAS AS PER CERC FEES AND CHARGES OF REGIONAL LOAD DESPATCH CENTRE AND OTHER RELATED MATTERS REGULATIONS, 2024 AND ANY AMENDMENTS THEREOF WHEREAS, THE REGIONAL ENTITY IS TO PAY THE FEES AND CHARGES FROM TIME TO TIME TO GRID-INDIA COLLECTION ACCOUNT. ALL REGIONAL ENTITIES WHICH HAD AT ANY TIME DURING THE PREVIOUS FINANCIAL YEAR FAILED TO MAKE PAYMENT OF CHARGES FOR FEES AND CHARGES WITHIN THE TIME SPECIFIED IN THESE REGULATIONS SHALL BE REQUIRED TO OPEN A LETTER OF CREDIT (LC) EQUAL TO 110% OF ITS LAST YEAR'S MAXIMUM MONTHLY LDC CHARGES, IN FAVOUR OF THE CONCERNED RLDC. DURING THE CURRENT FINANCIAL YEAR IF THE REGIONAL ENTITY FAILS TO MAKE PAYMENT WITHIN THE TIME SPECIFIED IN THESE REGULATIONS, THE RLDC SHALL BE ENTITILED TO ENCASH THE LETTER OF CREDIT(LC) OF THE CONCERNED REGIONAL ENTITY TO THE EXTENT OF THE DEFAULT AND CONCERNED REGIONAL ENTITY SHALL RECOUP THE LC AMOUNT WITHIN 3 DAYS.

.

IN ACCORDANCE WITH THE CERC FEES AND CHARGES OF REGIONAL LOAD DESPATCH CENTRE AND OTHER RELATED MATTERS REGULATIONS, 2024 AND ANY AMENDMENTS THEREOF, AND AS PER THE PAYMENT CALUCATIONS STIPULATED ABOVE, WE ---------- (APPLICANT BANK) HEREBY ISSUE OUR IRREVOCABLE STANDBY LETTER OF CREDIT (SBLC) NO._____ IN FAVOUR OF BENEFICIARY: GRID CONTROLLER OF INDIA LIMITED, WESTERN REGIONAL LOAD DESPATCH CENTRE, MUMBAI BY ORDER OF APPLICANT ---------- (NAME OF THE APPLICANT), FOR AN AGGREGATE AMOUNT NOT EXCEEDING INR (INDIAN RUPEES _____ ONLY) VALID TILL 30-06-2026.

.

THIS STANDBY LETTER OF CREDIT IS AVAILABLE WITH THE ISSUING BANK BY PAYMENT AT SIGHT AGAINST PRESENTATION OF FOLLOWING DOCUMENTS:

.

1) BENEFICIARY'S SIGNED STATEMENT CERTIFYING THAT THE APPLICANT HAS FAILED TO PAY THE FEES AND CHARGE TO THE 'GRID-INDIA COLLECTION ACCOUNT'.

.

THIS STANDBY LETTER OF CREDIT IS VALID UNTIL 30-06-2025 AT THE COUNTER OF THE ISSUING BANK.

.

PARTIAL DRAWINGS ARE ALLOWED.

.

MULTIPLE DRAWINGS ARE ALLOWED.

.

THIS SBLC IS REVOLVING IN NATURE. UPON PAYMENT, THE AMOUNT OF SBLC WILL AUTOMATICALLY GET REINSTATED FOR THE EQUIVALENT AMOUNT OF LAST DRAWING.

.

ALL BANKING CHARGES ARE FOR ACCOUNT OF APPLICANT.

.

WE UNDERTAKE TO PAY BENEFICIARY BANK WITHIN 48 HOURS AFTER RECEIPT OF A VALID CLAIM WHICH CAN BE LODGED BY SENDING AN EMAIL TO THE FOLLOWING OFFICIAL ID- ( ), FAX TO THE FOLLOWING NUMBER –( ) OR A COURIER/REGISTERED POST/BY HAND TO THE FOLLOWING ADDRESS- ( )

.

THIS STANDBY LETTER OF CREDIT IS SUBJECT TO THE INTERNATIONAL STANDBY PRACTICES 98 (ISP98) OF INTERNATIONAL CHAMBER OF COMMERCE.

.

REGARDS,
(NAME OF THE BANK)