सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केंद्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग- II
Power System Planning & Appraisal Division-II

सेवा में /To

As per list of Addresses

विषय: ट्रांसमिशन पर राष्ट्रीय समिति (एनसीटी) की उनतीसवीं बैठक की कार्यवृत्त ।

Subject: Minutes of the 29th Meeting of the National Committee on Transmission (NCT).

महोदया (Madam) / महोदय (Sir),

The 29th meeting of the National Committee on Transmission (NCT) was held on 17th April, 2025 at New Delhi. The minutes of the meeting are attached herewith.

भवदीय / Yours faithfully

05.05.2025

(बी.एस.बैरवा / B.S. Bairwa)
मुख्य अभियन्ता (इंचार्ज) एवं सदस्य सचिव,(एन.सी.टी.)/
Chief Engineer (I/C) & Member Secretary (NCT)

प्रतिलिपि / Copy to:

Joint Secretary (Trans), Ministry of Power, New Delhi

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List of Addresses:

1.	Chairperson, Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	2.	Member (Power Systems), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3.	Member (Economic & Commercial), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	4.	Director (Trans), Ministry of Power Shram Shakti Bhawan, New Delhi-110001.
5.	Sh, Abhay Bakre, Mission Director, MNRE Atal Akshay Urja Bhawan Opposite CGO Complex gate No. 2, Lodhi Road, New Delhi – 110003	6.	Chief Operating Officer, CTUIL, Floors Nos. 5-10, Tower 1, Plot Nos. 16, IRCON International Tower, Institutional Area, Sector 32, Gurugram, Haryana - 122001.
7.	Sh. Rajnath Ram, Adviser (Energy), NITI Aayog, Parliament Street, New Delhi – 110 001.	8.	CMD, Grid Controller of India, B-9 (1st Floor), Qutub Institutional Area, Katwaria Sarai, New Delhi – 110016
9.	Sh. Ravinder Gupta Expert Member (power System)	10	Chairperson, Northern Region Power Committee Himfed Bhawan, New ISBT Road, Panjari (Below Old MLA Quarters), Shimla-171005
11.	Chairperson , Western Region Power Committee 2nd Floor, Vidyut Seva Bhavan,. P.O.: Sunder Nagar, Danganiya, Raipur: 492 013	12.	Shri Shivdas.S, Director (Transmission & System Operation) Vydyuthi Bhavanam, Pattom, Thiruvananthapuram, Kerala- 695004
13.	Chairperson , Eastern Region Power Committee Power Department, Govt. Of Sikkim	14.	Chairperson , North Eastern Region Power Committee Hon'ble Minister of Power, Govt. of Assam, Guwahati – 781 006

Special Invitee

1. Chief Engineer (PCD), CEA
2. CEO, RECPDCL
3. CEO, PFCCL

Table of Minutes

Minutes of the 29th meeting of National Committee on Transmission

1 **Confirmation of the minutes of the 28th meeting of National Committee on Transmission**.

1.1 The minutes of the 28th meeting of NCT held on 06.03.2025 were issued on 21.03.2025 vide CEA letter Nos. CEA-PS-12-13/3/2019-PSPA-II. No comments were received on the minutes.

1.2 Representative of CTUIL stated that in the 28th meeting of NCT, it was decided to consider the following timelines for implementation of the projects under RTM:

(i). Bay extension works - 18 months,

(ii). ICT augmentation works - 21 months and

(iii). GIS extension works - 24 months.

However, there was no clarity whether these timelines would be applicable on under implementation projects also.

1.3 It was clarified that the timelines would be applicable for the projects planned after the decision in NCT.

1.4 With the above clarification, the minutes were confirmed.

2 **Status of the transmission schemes noted/approved/recommended to MoP in the 28th meeting of NCT:**

2.1 Members noted the status of transmission schemes approved/recommended in the 28th meeting of NCT as given below.

Sr. No	Name of the Transmission Scheme	Noted/ Recommended/ Approved	Mode of Implementation	BPC	Award/ Gazette notification
1.	Transmission System for Kurnool-IV REZ - Phase-II (3 GW)	Recommended	TBCB	PFFCL	Informed to MoP vide letter dated 21.03.2025. Gazette notified on 27.03.2025
2.	Transmission System for Integration of Ananthapuram-II REZ - Phase-II (3 GW)	Recommended	TBCB	RECPDCL	
3.	Augmentation of 1x500 MVA, 400/230 kV ICT (7th) at Tuticorin-II GIS Sub Station	Approved	RTM	Not applicable	Informed to CTUIL vide letter dated 21.03.2025 CTUIL awarded the projects to the implementing agency on 21.03.2025
4.	Transmission system	Approved	TBCB	RECPDCL	Informed to BPC

Sr. No	Name of the Transmission Scheme	Noted/ Recommended/ Approved	Mode of Implementation	BPC	Award/ Gazette notification
	strengthening at Davanagere for integration of RE generation				vide letter dated 21.03.2025. Gazette notification under process

2.2 Status of transmission schemes where modifications was suggested/approved in 28th NCT meeting:

S. Nos.	Scheme where modifications was suggested	Status
1.	Transmission system for evacuation of power from Shongtong Karcham HEP (450 MW) in Himachal Pradesh	Informed to BPC vide letter dated 21.03.2025.

3 **New Transmission Schemes:**

3.1 **Inter-Regional Strengthening between SR Grid and ER Grid**

3.1.1 Representative of CTUIL stated that the present peak demand of SR as on March, 2024 was about 68 GW and expected peak demand of SR as per the 20th EPS during 2029-30 timeframe is about 97.5 GW. He further stated, as per MNRE OM dated 01.11.2023, Green Hydrogen / Ammonia demand (by 2030) in Southern Region will be about 23 GW and this demand is expected to be over and above the peak demand projections of 97.5 GW as per 20th EPS in 2029-30 timeframe, total demand is expected to be over 120 GW.

3.1.2 Representative of CTUIL further mentioned that presently TTC for import of power from NEW grid to SR Grid is about 24,500 MW and it is expected to be enhanced to 25,000 MW with the commissioning of Narendra-Pune 765 kV D/c line. The present limiting constraint for import of power from ER to SR is Angul-Srikakulam 765 kV D/c line and from WR to SR is Nizamabad 765/400 kV, 1500 MVA ICT under contingency. Subsequently, the existing / under implementation Inter Regional links between NEW Grid and SR Grid shall not be adequate to meet the above demand.

3.1.3 Representative of Grid-India stated that existing 765 kV Angul – Srikakulam D/C line is highly loaded during high import by the Southern Region. 2nd 765 kV Angul – Srikakulam D/C line will help in relieving the loading of existing line and will facilitate enhancement in import capability of Southern Region.

3.1.4 Representative of CTUIL further mentioned that the transmission system was deliberated and agreed in the 52nd SRPC meeting held on 03.08.2024, special SRPC meeting held on 04.02.2025 and 53rd ERPC meeting held on 11.02.2025. ERPC agreed with the technical requirement of the scheme for new ER-SR interregional link. SRPC recommended that the link shall be considered under National Component as 765 kV Angul-Srikakulam link would be used to meet the GH&GA loads.

3.1.5 NCT opined that the subject mentioned link would also be used for power transfer other than to meet the GH & GA loads.

3.1.6 Further, Angul to Srikakulam being tough terrain, the implementation timeframe for the scheme may be given as 30 months.

3.1.7 After deliberations, the scheme "Inter-Regional Strengthening between SR Grid and ER Grid" was recommended for implementation under TBCB route as mentioned below:

3.1.8 Summary of the scheme is given below:

Sl. No.	**Name of the scheme and tentative implementation timeframe**	**Estimated Cost (₹ Crore)**	**Remarks**
1.	Inter-Regional Strengthening between SR Grid and ER Grid Tentative implementation timeframe: 30 Months from the date of SPV transfer	2710	Recommended for implementation under TBCB by PFCCL

3.1.9 Detailed scope of the scheme is given below:

Sl. No.	***Scope of the Transmission Scheme***	***Capacity /km***
1.	Angul – Srikakulam 765 kV 2nd D/c line (about 275 km) with 240 MVAR SLR at both ends on both circuits	Line length ~ 275 km • 765 kV line bays – 2 Nos. GIS (at Srikakulam) • 765 kV line bays – 2 Nos. AIS (at Angul) • 765 kV, 240 MVAr SLR at Srikakulam – 2 Nos. (6x80 MVAr switchable units) • 765 kV, 240 MVAr SLR at Angul – 2 Nos. (6x80 MVAr switchable units)
2.	1x330 MVAR, 765 kV bus reactor (3rd) at Angul Substation	• 765 kV bus reactor – 1 No. (3x110 MVAr switchable units) • 765 kV bus reactor bay – 1 No.

Note:

i. POWERGRID shall provide space (free of cost) for 2 Nos. of 765 kV line bays each at Srikakulam (GIS) and Angul for termination of Angul-Srikakulam 765 kV D/c line.

ii. POWERGRID shall provide space (free of cost) for 1x330 MVAr bus reactor along with associated bay at Angul.

3.1.10 Representative of Grid-India further stated that HVDC Talcher – Kolar is another important link towards southern region. The link (converters) is nearing its useful life of 25 years. The constraints in the overload operation of the HVDC and frequent failures of the converter transformer are already being faced in real-time operation. Therefore, the refurbishment of the HVDC Talcher - Kolar or planning of suitable alternate HVAC/HVDC link may be taken up on priority.

3.1.11 Chairperson, CEA directed CTUIL and GRID-INDIA to assess the requirement /usefulness for refurbishment of HVDC, in future time-frame, as well as conduct cost-benefit analysis with new alternatives and bring a suitable agenda for deliberation in the NCT.

3.2 **Inter-Regional Strengthening between SR Grid and WR Grid**

3.2.1 Representative of CTUIL informed that Bidar 765/400/220 kV PS has been identified for 2.5 GW RE potential which is under implementation by POWERGRID through TBCB route and expected to be completed by Feb’26. Against the 2.5 GW RE potential at Bidar PS, Connectivity of 2.5 GW have already been granted at 220 kV level with the above transmission system.

3.2.2 It was further informed that additional connectivity applications were also received for about 850 MW at Bidar PS and have been granted at Bidar PS with augmentation of transformation capacity by 3x500 MVA, 400/220 kV ICTs (6th - 8th) and 1x1500 MVA, 765/400 kV ICT (4th) at Bidar PS which was agreed in the 22nd meeting of NCT held on 23.08.2024.

3.2.3 Representative of CTUIL further submitted that, in addition to the above augmentation and in order to facilitate integration of additional RE potential in Southern Region in general and Bidar PS in particular, Bidar (SR) - Parli New (WR) 765 kV D/c inter-regional link shall be required. Further it is expected that the total demand of SR in 2029-30 timeframe is to be over 120 GW and the existing / under implementation Inter Regional links between NEW Grid and SR Grid shall not be adequate for import of power from NEW Grid to meet the above demand. Therefore, this additional inter-regional link shall further facilitate in enhancement of import / export capability of SR Grid.

3.2.4 The proposal was deliberated and agreed in the 52nd SRPC meeting held on 03.08.2024, special SRPC meeting held on 04.02.2025 and 52nd WRPC meeting held on 07.02.2025. SRPC recommended that the link shall be considered under National Component as it would also be used for RE evacuation. WRPC approved the scheme for taking it up at NCT for further deliberations.

3.2.5 It was opined that the transmission charges of the link would be as per extant Regulations of CERC.

3.2.6 After deliberations, the scheme “Inter-Regional Strengthening between SR Grid and WR Grid” was recommended for implementation under TBCB route as mentioned below:

3.2.7 Summary of the scheme is given below:

Sl. No.	**Name of the scheme and tentative implementation timeframe**	**Estimated Cost (₹ Crore)**	**Remarks**
1.	Inter-Regional Strengthening between SR Grid and WR Grid Tentative implementation timeframe: 24 months from the date of SPV transfer	1007 Crs	Recommended for implementation under TBCB by RECPDCL

3.2.8 Detailed scope of the scheme is given below:

Sl. No.	***Scope of the Transmission Scheme***	***Capacity /km***
1.	Parli New – Bidar 765 kV D/c line (about 120 km) with 240 MVAR SLR at Bidar end on both circuits	Line length ~ 120 km • 765 kV line bays – 2 Nos. (at Bidar PS) • 765 kV line bays – 2 Nos. (at Parli New) • 765 kV, 240 MVAr SLR at Bidar PS – 2 Nos. (6x80 MVAr switchable units) (*1x80 MVAr spare switchable unit at Bidar PS is already under implementation and same may be used as spare)

Note:

i. TSP of Bidar PS shall provide space (free of cost) for 2 Nos. of 765 kV line bays at Bidar PS for termination of Parli New – Bidar 765 kV D/c line.

ii. TSP of Parli New S/s shall provide space (free of cost) for 2 Nos. of 765 kV line bays at Parli New for termination of Parli New – Bidar 765 kV D/c line.

3.3 **Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-5: 6 GW) [Barmer Complex] Barmer-II : 6 GW (Solar)**

3.3.1 Representative of CTUIL stated that this scheme is a part of Renewable Energy Zones (REZs) identified by MNRE/SECI with a total capacity of 75 GW REZs in Rajasthan, evacuation system for 13 GW was planned at Fatehgarh (5 GW) & Barmer (8 GW) complex. He further stated that transmission scheme for Rajasthan REZ Ph-IV (Part-2:5.5 GW) (Jaisalmer/Barmer Complex) was approved in 14th NCT meeting for injection at Fatehgarh-IV PS (4 GW) & Barmer-I PS (1.5 GW) in Rajasthan and is also under implementation.

3.3.2 It was also mentioned that, for evacuation of power beyond 5.5 GW from Fatehgarh-IV PS/Barmer-I PS, transmission system for 3.5 GW was approved in 19th NCT meeting, thus making the total approved capacity of 9 GW (5.5 GW+3.5 GW) at Fatehgarh/Barmer complex. At present connectivity of about 6 GW capacity is already granted at Barmer-II PS. Beyond that about 6 GW connectivity applications are granted/agreed for grant/received at Barmer-III PS.

3.3.3 Accordingly, representative of CTUIL proposed HVDC link between Barmer (II) S/s – South Kalamb S/s with comparative analysis for both VSC & LCC technology. It was further stated that the tentative cost for LCC technology would be around Rs. 25261 Crs., while for VSC technology, it would be around Rs. 34,814 Crs. Further, the downstream network from South Kalamb S/s towards load centres in Maharashtra has also been identified. It was also stated that SECI had informed that at present there is no clear visibility for RE projects with BESS before 2027 as award process will take time (1-2 years).

3.3.4 Representative of Grid-India stated that in the 500 GW RE Transmission Report by CEA, ~22.5 GW BESS was already planned at different pooling stations in NR (Rajasthan). Further, the cost of 6 GW x 4.25 hour BESS near Barmer (considering capital cost of BESS as $100 per kWh) comes out to be ~ INR 21675 Cr. The cost of proposed LCC based HVDC and VSC based HVDC is of the order of INR 25000 Cr. and INR 35000 Cr. respectively.

With the rapid addition of solar generation, persistent high frequency is being observed in the grid during solar generation hours especially on low demand days. ISGS thermal generation is being backed down to the extent possible to accommodate the solar generation. As the thermal generating units are required during non-solar hours for ensuring resource adequacy, these units cannot be taken out of service during the high frequency operation period. Addition of more solar generation without commensurate energy storage would further increase the coal flexibility challenge during the daytime. In the solar peak planning cases of future time-frame prepared by CTUIL also, the few thermal generation is being backed out well below the technical minimum level.

As the cost of BESS, based on recent tenders, is observed to be less than the cost of proposed HVDC systems, it is suggested that planning of suitable BESS capacity may be explored in the Rajasthan RE complex. It would provide multifold benefits in terms of transmission system being planned for RE evacuation, providing the necessary flexibility support during the non-solar hours, resource adequacy during non-solar hours and also has low gestation period compared to HVDCs.

3.3.5 Chairperson, CEA directed CTUIL to carry out a life-time cost-benefit analysis of BESS vis-à-vis proposed HVDC transmission schemes and present the same in the forthcoming NCT meeting.

3.4 Augmentation of 2x500 MVA (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS

3.4.1 Representative of CTUIL stated that, 765/400/220 kV Bikaner-IV PS is an under implementation RE pooling station by Bikaner A Power Transmission Limited (a 100% wholly owned subsidiary of POWERGRID) with transformation capacity of 6x1500 MVA at 765/400 kV level and 6x500 MVA at 400/220 kV level with the schedule of Nov'26 and presently, total connectivity granted at Bikaner-IV PS is 6000 MW, out of this, 3150 MW is granted at 220 kV level and 2850 MW is granted at 400 kV level.

3.4.2 It was further mentioned that, considering the total connectivity granted of 3150 MW at 220 kV level at Bikaner-IV PS, augmentation of 2x500 MVA ICTs (7th & 8th) is required to be taken up to facilitate transfer of power.

3.4.3 After deliberations, the scheme **"**Augmentation of 2x500 MVA (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS**"** was approved for implementation under RTM route as mentioned below:

3.4.4 Summary of the scheme is given below:

Sl. No.	**Name of the scheme and tentative implementation timeframe**	**Estimated Cost (₹ Crore)**	**Remarks**
1.	Augmentation of 2x500 MVA (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS Tentative implementation timeframe : 21 months from the date of allocation	122.88	Approved for implementation under RTM through Bikaner A Power Transmission Limited (a 100% wholly owned subsidiary of POWERGRID)

3.4.5 Detailed scope of the scheme is given below:

Sl. No.	***Scope of the Transmission Scheme***	***Capacity/km***
1	Augmentation of 400/220 kV, 2x500 MVA (7^{th} & 8^{th}) ICTs at Bikaner-IV PS along with associated transformer bays	• 500 MVA, 400/220 kV ICT - 2 Nos. • 400 kV ICT bays – 2 Nos. • 220 kV ICT bay – 2 Nos.
2	220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS	• 220 kV Sectionalizer bay: 1 set • 220 kV BC bay : 1 No. • 220 kV TBC bay:1 No.

3.5 **Transmission system for Evacuation of Power from RE Projects in Solapur SEZ in Maharashtra-Phase II (2000 MW) and Network Expansion scheme to enable drawal of power from Solapur PS**

3.5.1 Representative of CTUIL stated that 3.5 GW REZ potential has been identified at Solapur (2 GW at Solapur (PG) and 1.5 GW at Solapur PS) and Solapur PS is presently under implementation by M/s Solapur Transmission Limited (STL) (Subsidiary of Torrent Power Limited) with SCOD of Mar'26 for evacuation of 1.5 GW REZ.

3.5.2 He further stated that, connectivity applications for about 5.45 GW RE capacity have been received at Solapur PS till Feb-25 against 1.5GW evacuation capacity/potential (Cumulative 7.45GW in Solapur area incl. 2GW at Solapur (PG)) and it was proposed to expand the Solapur PS to its full capacity of 3.5 GW (i.e. 2 GW in addition to 1.5 GW) for which "Transmission system for Evacuation of Power from RE Projects in Solapur SEZ in Maharashtra-Phase II (2000 MW)" scheme was proposed in 27th NCT meeting held on 06.02.2025. In the meeting, it was decided that the subject scheme shall be taken up after feedback from MNRE/SECI w.r.t. additional potential in Solapur area and it was deliberated that CTUIL shall examine whether transmission system is planned by STU for same generation capacity in Solapur area.

3.5.3 Representative of CTUIL stated that CTUIL vide letter dated 07.03.2025 addressed to MNRE has submitted complete status of receipt of applications at various RE zones along with breakup of RE applications received beyond potential. In the letter, it has been requested that MNRE in coordination with SECI / state agencies may declare maximum potential to be considered in RE potential zones in the country, after due diligence (i.e. availability of land, SNA feedback, etc.) for enabling planning and approval of transmission schemes for capacity beyond approved REZ potential in a timely manner. Data for Solapur has been urgently requested considering that the Solapur Phase-II scheme is held up.

3.5.4 Representative of SECI stated that the work of identifying RE potential in addition to already declared potential is under process. MNRE also assured that they shall look into the letter of CTUIL and expedite declaration of additional RE zones (within 1 –2 months) after taking feedback from relevant stakeholders.

3.5.5 After further deliberations, it was decided that the transmission schemes for the quantum beyond the potential already declared by MNRE/SECI will be taken up for approval only after assessment and declaration of such additional potential by MNRE.

3.6 **Extension in completion schedule of Transmission System for Kurnool Wind Energy Zone / Solar Energy Zone (AP) – Part-A & Part-B**

3.6.1 Representative of CTUIL stated that, Kurnool-III 765/400/220 kV PS has been identified for integration of 4.5 GW RE potential from Kurnool REZ as part of 66.5 GW RE Projects and was allocated to POWERGRID for implementation through RTM route with SCoD as Nov'24. He further mentioned that additional space provision had been kept for future expansion / augmentation of the pooling station for integration of additional RE generation.

Presently, for integration of RE capacity, 9 Nos. of 220 kV line and 8 Nos. of 400 kV line bays have been allocated to various RE generation developers.

3.6.2 Representative of CTUIL informed that Connectivity for 8000 MW (2650 MW at 220 kV level & 5350 MW at 400 kV level) have been granted / agreed for grant. For evacuation of 2,650 MW RE power from 220 kV level, 7x500 MVA 400/220 kV ICTs are required. However, due to receipt of large Nos. of Connectivity applications at 400 kV level, it was observed that with the present arrangement of Kurnool-III PS, it was difficult to utilize 2x500 MVA 400/220 kV ICTs and 6 Nos. of 220 kV line bays for injection of power. It was also informed that for optimal utilization of the ISTS network, a meeting was held between POWERGRID & CTUIL on 02.04.2024 wherein on suggestions of CTUIL and for benefit & optimal development of transmission system, POWERGRID agreed for suitable rearrangement of Kurnool-III PS with appropriate cost & time overrun.

3.6.3 Accordingly to address the issue, NCT in its 20th meeting held on 25.06.2024 approved following modifications in the scope of design / layout of Kurnool-III PS:

Sl. No.	Bay Type	Present scope	Revised Present scope	Future Scope	Revised Future scope
765 kV Switchyard: No change					
400 kV switchyard					
1	Line with Reactor	0	0	10	22
2	Tie	9	10	11	12
3	400/220 kV Transformer Bay	9	9 (2 shifted to new section)	11	5
4	765/400 kV Transformer Bay	3	3	4	4
5	Bus Sectionaliser	0	0	1 set	2 set
6	Bus Reactor	1	1	-	Any Line with reactor bay may be used as Bus reactor bay
220 kV switchyard					
1	Line	15	15 (5 Nos. Shifted to new section)	11	5
2	400/220 kV Transformer Bay	9	9 (2 shifted to new section)	11	5
3	Bus Coupler	3	3	3	1
4	Transfer Bus coupler	3	3	3	1
5	Bus section	2 set	2 set	3 set	0

Additional works due to rearrangement / revised scope:

Sl. No.	Items
1	Land development for additional area for 400 & 220 kV Switchyard
2	400 kV Bus works for 8 Nos. additional diameters
3	Earth mat for additional area for 400 & 220 kV Switchyard
4	Other Auxiliary items i.e. additional requirement of Power & Control Cables, illumination, VMS etc.

5	Associated civil works including dismantling of foundations already casted

3.6.4 However, there was no mention of revision of implementation timeframe in the 20th NCT Minutes. CTU vide OM dated 15.07.2024 has communicated the same to POWERGRID.

3.6.5 Now, POWERGRID vide letter dated 05.03.2025 communicated to CTUIL that the subject modification requires approximately 50 acres of additional land development, which consists of rocky strata. Given the current site conditions, as equipment erection has already been completed in the nearby area, only manual excavation is possible, which will require additional time for completion and requested for extension till Mar'26 for completion of the work.

3.6.6 NCT noted that timely information was not provided by POWERGRID regarding additional time requirement. It was decided that POWERGRID may approach CERC for extension in implementation timeframe.

3.7 **"Transmission system for proposed Green Hydrogen / Green Ammonia projects in Tuticorin area" and "Transmission system for proposed Green Hydrogen / Green Ammonia projects in Kakinada area, Andhra Pradesh (Phase-I)"**

3.7.1 Representative of CTUIL stated that "Transmission system for proposed Green Hydrogen / Green Ammonia projects in Tuticorin area" was recommended by NCT in its 22nd meeting held on 23.08.2024 under TBCB route with RECPDCL as BPC with implementation time frame of 30 months and estimated cost of Rs. 2617 Cr. In the 25th meeting of the NCT held on 28.11.2024, NCT recommended the modification for 765/400 kV Tuticorin (GH) S/s as GIS substation with dynamic compensation in the scope of the transmission scheme "Transmission system for proposed Green Hydrogen/ Green Ammonia projects in Tuticorin area" with revised cost of the scheme as Rs. 3098 Cr.

3.7.2 It was further mentioned that "Transmission system for proposed Green Hydrogen / Green Ammonia projects in Kakinada area (Phase-I)" was recommended by NCT in its 25th meeting held on 28.11.2024 under TBCB route with PFCCL as BPC with implementation time frame of 24 months and estimated cost of Rs. 1618.5 Cr.

3.7.3 Representative of CTUIL further informed that M/s AM Green Ammonia (India) Pvt. Ltd. (for 1660 MW) and M/s Green Infra Renewable Energy Farms Pvt. Ltd. (for 800 MW) in Tuticorin area and M/s AM Green Ammonia (India) Pvt. Ltd. For 2000 MW (700 MW + 1300 MW) in Kakinada Area were Granted GNA-RE on 14.02.2025. However, these developers failed in submission of applicable Conn-BGs under CERC GNA regulations 2022, therefore, their grant of GNA-RE have been revoked by CTU on 25.03.2025.

3.7.4 Accordingly, it was proposed that the bidding process for setting up Kakinada GH & Tuticorin GH substations for drawal of power by Green Hydrogen/Ammonia developers may be kept on hold for the time being, as there are no applications from Green Hydrogen/Ammonia developers at Tuticorin and Kakinada.

3.7.5 Representative of RECPDCL informed that the current bid submission deadline for the scheme "Transmission system for proposed Green Hydrogen / Green Ammonia projects in Tuticorin area" is 25.04.2025 and SPV transfer is targeted by 30.05.2025.

3.7.6 Further, Representative of PFCCL informed that the bid submission date for the scheme "Transmission system for proposed Green Hydrogen / Green Ammonia projects in Kakinada area (Phase-I)" is 06.05.2025 and expected month of SPV transfer is June, 2025.

3.7.7 After deliberations, NCT opined that bid submission and bid evaluation may be carried out. However, the transmission system may not be awarded for implementation for time being. Decision regarding awarding of the schemes would be taken based on submission of the applications by Green Hydrogen / Green Ammonia project developers.

4 Communication Schemes:

4.1 Scheme for laying of OPGW on ISTS lines in Eastern Region

4.1.1 Representative of CTUIL stated that, OPGW on below mentioned lines have been installed & commissioned by POWERGRID during the period 2004- 2005 and the links were commissioned by POWERGRID Telecom Department (PDT) utilized for sensitive and critical grid management data to RLDC/NLDC from sub-stations and SLDCs.

a) 400 kV Prayagraj (Allahabad)–Sasaram (214.42 km)
b) 400 kV Farakka –Sagardighi II -Jeerat (304.16 km)
c) 400 kV Indravati-Rengali-Talcher (377.31 km)
d) 400 kV Malda - Purnea & 400 kV Purnea -Binaguri (367.36 km)
e) 400 kV Binagauri-Bongaigaon (239.81 km)

4.1.2 After deliberations, the proposed scheme was deferred for further technical deliberation.

4.2 OPGW laying work on 132 kV Dharamnagar- Dullavcherra and 132 kV Dullavcherra-Halaikandi line

4.2.1 Representative of CTUIL stated that, to strengthen the ISTS OPGW connectivity in NER, Transmission Scheme "OPGW laying work on 132 kV Dharamnagar- Dullavcherra and 132 kV Dullavcherra-Halaikandi line" is proposed.

4.2.2 After deliberations, the scheme **"**OPGW laying work on 132 kV Dharamnagar-Dullavcherra and 132 kV Dullavcherra- Halaikandi line**"** was approved for implementation under RTM route.

4.2.3 Summary of the scheme is given below:

Sl. No.	Name of the scheme and tentative implementation timeframe	Estimated Cost (₹ Crore)	Remarks
1.	OPGW laying work on 132 kV Dharamnagar- Dullavcherra and 132 kV Dullavcherra- Halaikandi line	4.662	Approved for implementation under RTM through PowerGrid

	Tentative implementation timeframe: 24 months from the date of allocation		

4.2.4 Detailed scope of the scheme is given below:

Sl. No.	Scope of the Transmission Scheme
1.	OPGW(48F) laying work on 132kV Dharamnagar- Dullavcherra (37 km)(jointly owned by Assam and Tripura) and 132kV Dullavcherra- Halaikandi (31.4 km) line(Assam owned).
2.	Supply and Installation work of three Nos. of STM16 FOTEs, One each at Dharamnagar, Dullavcherra, Halaikandi S/s along with required interfaces for ISTS and STU connectivity of the 132kV P K Bari(state)-Dharamnagar- Dullavcherra – Halaikandi-Silchar link.

4.3 Revision in Implementation Schedule for Communication schemes approved in 26th and 27th NCT meeting.

4.3.1 Representative of CTUIL mentioned that in the 26th meeting of NCT, NCT revised the Implementation time Schedule of ISTS Communication System Schemes. However, 4 No. of communication schemes approved in 26th NCT and 2 no of communication schemes approved in 27th NCT allocated to M/s POWERGRID under RTM mode were allocated with lesser implementation timeframe as decided in the 26th meeting of NCT.

4.3.2 After deliberations, NCT revised the implementation schedule for the communication schemes approved in 26th and 27th NCT meeting" as mentioned below:

S. No.	Scheme Name	Total Line length	Approved Schedule
Approved in 26th NCT			
1	Redundant Communication for Salal (NHPC) station	62 km	**30 months**
2	Redundant Communication for Tuticorin GIS (PG) Substation	25 km	**24 months**
3	OPGW replacement on 132kV Kahilipara-Umiam Stg. III-Umiam Stg. I - NEHU link & OPGW on 132kV Sarusajai -Umtru line & UGFO NERLDC Guwahati to Kahilipara for backup NERLDC	129.26 km (OPGW) + 2 km (UGFO)	**30 months**
4	OPGW replacement on 132kV Nehu-Neigrihms-Khliehriat Ckt-1 & UGFO from Tower 25 of 132kV Nehu-Mawlyndep line to NERLDC Shillong	73 km (OPGW) + 3.5 km (UGFO)	**30 months**

S. No.	Scheme Name	Total Line length	Approved Schedule
Approved in 27th NCT			
1	OPGW installation on 765 kV Fatehpur-Varanasi S/c line and 765 kV Fatehpur-Sasaram S/c line (proposed to be LILOed at New Prayagraj)	223km+ 356km (=579km)	**30 months**
2	Supply and installation of OPGW on existing 765 kV Gwalior-Satna S/c Line which is proposed to be LILOed at Karera (near Datiya) S/s under TBCB Project namely "Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part B"	341	**30 months**

5 **Status of the bids under process by BPCs**

5.1 The BPCs (RECPDCL and PFCCL) have made presentations on the status of under bidding schemes. Summary of the same is given below:

S.No.	Region(s)	RECPDCL	PFCCL
1	LoI issued	01	02
2	Bids Under Evaluation	00	01
3	RfP issued and bids to be submitted	02	08
4	RfP to be issued	04	01
5	RfP bid submission on hold	01	00
	TOTAL	**08**	**12**

5.1 Members noted the status of the schemes under bidding.

6 **Evaluation of functioning of National Grid.**

6.1 **Grid-India made a presentation on performance of the National Grid in Q3 & Q4 of FY 2024-25. Following** major issues were highlighted by Grid-India:

a) Flexibility and Ramping Requirement: Grid-India informed that persistent high frequency has been observed in the Indian grid especially during solar hours. Frequency was above the IEGC band (49.90 – 50.05 Hz) for more than 20% of the time on ~39 days in Q3 and Q4 of FY 2024-25.

The high RE (solar) generation and the limited flexibility to further reduce the thermal generation to accommodate the RE generation is one of the major reasons for this high frequency operation. The down reserves during solar hours are getting completely depleted on certain days.

Further, some of the thermal generating units are required to be committed during solar hours so as to ensure their availability during non-solar hours to meet the non-solar peak demand. The current maximum instantaneous penetration of VRE has touched ~37% and is expected be cross 40% in Feb-Mar 2026 which would further worsen the condition.

Another challenge being faced in meeting the ramping requirement during evening hours where the flexibility requirements have increased significantly due to the increasing demand ramp coupled with the simultaneous decline in solar generation.

A report on high frequency operation in the month of Aug 2025 was also published by Grid-India in Sep 2025. Hon'ble CERC, through its order in Suo-Motu Petition No. 2/SM/2025, has also directed measures aimed at mitigating high grid frequency and ensuring secure and reliable power system operation. Overall, there is an urgent requirement of fast ramping flexible resources in the grid to meet the flexibility requirements in coming days.

b) Evacuation of Large Quantum of RE under T-GNA: Grid-India informed that as on 16th April 2025, ~10000 MW of RE generation is being evacuated under T-GNA due to delay in commissioning of the associated transmission system. Further, ~1500 MW RE is getting curtailed due to non-availability of the margin in the transmission system. Grid-India further stated that the commissioning of following transmission elements needs to be expedited:

Northern Region:

Elements	Executing Agency	Original SCOD
Establishment of 765/400 kV, 3X1500 MVA GIS substation at Narela	POWERGRID	Nov 2023
765 kV Khetri – Narela D/c line	POWERGRID	Nov 2023
765 kV Bhadla-II – Sikar-II 2nd D/C	POWERGRID	Dec 2022
LILO of 765 kV Meerut- Bhiwani S/c line at Narela	POWERGRID	Nov 2023
400 kV 2xD/c Maharanibagh – Narela (Twin HTLS)	POWERGRID	Nov 2023

Western Region:

i. KPS2 (GIS) – Lakadia 765 kV D/c line (Part A- Adani) (currently charged as 765 kV KPS2-Lakadia-S/C line and 765 kV KPS1-Lakadia-S/C bypassed at KPS2)
ii. Establishment of 765/400 kV Ahmedabad S/s (Part C- POWERGRID)
iii. Lakadia PS – Ahmedabad 765 kV D/c line (Part B- POWERGRID)
iv. Ahmedabad – Navsari (New) 765 kV D/c line (Part C- POWERGRID)
v. LILO of Pirana (PG) – Pirana (T) 400 kV D/c line at Ahmedabad S/s along with reconductoring of Pirana (PG) – Pirana (T) 400 kV D/c (Part D-Torrent)

Southern Region:

i. 765 kV Narendra -Pune D/C along with upgradation of Narendra (New) (GIS) to its rated voltage of 765 kV level along with 4x1500 MVA transformer.

There is possibility of RE curtailment if the commissioning of the associated transmission system is delayed.

c) Large number of generation loss events in NR RE Complex and interconnection of inter-state and intra-state system: There have been around 18 Nos. of events between April 2024 and Mar 2025 involving RE generation loss of more than 1000 MW. One of the major reasons for these grid events has been the non-compliance of the RE plants against specified CEA standards.

In addition, there has been repeated tripping of certain EHV line (765 kV Bhadla – II – Sikar-II ckt-2 on three consecutive days in April 2025 due to vegetation issue) which led to depleted network conditions ultimately resulting in RE curtailment.

The flow in some of the intra-state lines in Rajasthan is also getting restricted due to non-upgradation of terminal equipment. Upgradation of terminal equipment at 07 Nos. intra-state substations could be carried out so as to make them commensurate with the line capacity. These lines are - 400 kV Bhadla-Bikaner D/C, 400 kV Jaisalmer-Kankani S/C, 400 kV Akal-Kankani S/C, 400 kV Akal-Jaisalmer S/C, 400 kV Suratgarh SCTPS-Babai D/C (upcoming line). Upgradation will ensure optimal utilization of the intra-state transmission system.

Grid-India also suggested that suitable interconnection between inter-state and intra-state system may be planned so as to ensure optimal utilization of the system.

d) Planning of Synchronous Condensers at suitable locations

Grid-India stated that a committee, chaired by the Member Secretary, NRPC, was constituted to assess the need for synchronous condensers in the Northern Region. The committee has submitted its final report to CEA, recommending phase-wise implementation of synchronous condensers at various stations of NR. Grid-India suggested that planning of the synchronous condensers may be taken up as per the recommendations of the committee report.

e) Constraints in Inter-regional corridors

i. **High import of power from NR:** High WR-NR/NR Import flow was observed in 2025-25 with the WR-NR ATC/TTC getting violated during night hours (2100 to 01:00 hrs). The loading on 765 kV Varanasi-Vindhyachal D/C remained high during high NR Import period. Shifting of NTPC Rihand-III from WR to NR was carried out as an interim arrangement. In 2025 also, with high demand of northern region in coming months, the constraints in import are envisaged. 765 kV Sasan – Prayagraj D/C has been approved recently as a remedial measure but the commissioning of the line will take time.

Further, the import capability of NR gets further restricted during solar hours due to low voltages near major load centers. On 17th June 2024, the tripping of both bipoles of HVDC Champa - Kurukshetra carrying 4,500 MW from WR to NR led to a sharp drop in voltage and resulting in demand reduction of ~16.5 GW. Detailed event committee report submitted to MoP emphasized on the planning of suitable dynamic reactive power compensation near load centers.

ii. **High Export from SR:** High export of power from SR is expected in the high RE injection months of June - October. To relieve the congestion in SR export during this period, the commissioning of 765 kV D/C line from Narendra – Pune is of utmost importance. The commissioning of remaining 765/400 kV ICTs at Kotra S/S (approved in the 8th NCT meeting) may also be expedited to facilitate high export from SR during high RE period. The intra-state constraints in the Maharashtra network would still pose some limitation on the export capability from the Southern Region until the approved schemes in Western Maharashtra are commissioned.

f) Major Grid Disturbances in Q3 and Q4:

i. **South Gujarat Disturbance on 12th Mar 2025:** Grid-India stated that an event took place in southern Gujarat and Maharashtra on 12th Mar 2025 at around 1450 hrs. The event resulted in load loss of ~5666 MW in Gujarat and ~3210 MW in Maharashtra. The load loss in Maharashtra includes both – automatic and manual load tripping. Generation loss of ~2800 MW at Kakrapar Stg. – I & II, Tarapur, Ukai TPS, Surat Lignite PP also occurred during the event. Total 16 Nos. 400 kV lines and other downstream lines in Gujarat tripped during the event resulting in complete blackout at Jhanor, Vav, Sugen, Uno-Sugen, Hazira, Ukai and Kosamba stations.

Before the event, low voltages and high line loadings were observed in south Gujarat area due to high demand and low generation in the area. Advisory and regular messages were issued by Grid-India before the event for adequate reactive power support by generating units and load management in Gujarat/DD/DNH area.

The event initiated with the tripping of a highly loaded line (400 kV Asoj – Kosamba S/C) on fault followed by tripping of 06 No. 400 kV lines on protection misoperation within 20 secs. These tripping led to very low voltages in the system and resulted in generation loss of ~2800 MW in south Gujarat. The increase in power flow from Maharashtra to south Gujarat due to the aforementioned tripping led to low voltages and operation of automatic load trimming scheme in Mumbai area.

Subsequently, tripping of other parallel lines on high loading and loss of supply at Jhanor, Vav, Sugen, Uno-Sugen, Hazira, Ukai and Kosamba. System was gradually restored by 1900 hrs.

Grid-India suggested - maintaining adequate generation in south Gujarat area, expediting commissioning of the transmission system associated with Khavda RE generation and planned intra-state system in Gujarat and Maharashtra, planning of dynamic reactive power compensation devices - to avoid such incidents in future.

ii. **Disturbance at NTPC Barh on 4th Jan 2025:** The event resulted in tripping of all the in-service units at NTPC Barh and associated transmission lines.

Over-current settings in emanating lines (at NTPC Barh end), which is in violation to CEA/CERC standards, was identified as the major reason for the tripping.

iii. **Disturbance at 765/400 kV Angul and New Ranchi S/s on 20th Feb 2025 and 31st Mar 2025:** Complete outage of 765/400 kV Angul S/s and tripping of both 765 kV buses at Angul and New Ranchi respectively took place due to failure of SF6 filled CTs in the stations during inclement weather.

It was observed that only SF6-filled CTs are affected by lightning, while oil-filled CTs remain unaffected. Matter has been taken up with the transmission licensee (POWERGRID) for further analysis.

g) Intra-state constraints: Grid-India explained the constraints in import of power by major states such as UP, Rajasthan, Delhi, Maharashtra, Gujarat and Karnataka. Expediting the implementation of remedial measures was also emphasized in the meeting.

6.2 On the issues highlighted by Grid India, NCT opined that the matter of intra state constraints and disturbances, non-upgradation of terminal equipment, high loading, etc. may be taken up with relevant states.

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Summary of the deliberations of the 29th meeting of NCT held on 17th April, 2025

I. Modification in the earlier approved/notified communication schemes:

NCT approved the Revision in Implementation Schedule for Communication schemes approved in 26th and 27th NCT meeting as mentioned below:

S. No.	Scheme Name	Total Line length	Approved Schedule
Approved in 26th NCT			
1	Redundant Communication for Salal (NHPC) station	62 km	**30 months**
2	Redundant Communication for Tuticorin GIS (PG) Substation	25 km	**24 months**
3	OPGW replacement on 132kV Kahilipara-Umiam Stg. III-Umiam Stg. I - NEHU link & OPGW on 132kV Sarusajai -Umtru line & UGFO NERLDC Guwahati to Kahilipara for backup NERLDC	129.26 km (OPGW) + 2 km (UGFO)	**30 months**
4	OPGW replacement on 132kV Nehu-Neigrihms-Khliehriat Ckt-1 & UGFO from Tower 25 of 132kV Nehu-Mawlyndep line to NERLDC Shillong	73 km (OPGW) + 3.5 km (UGFO)	**30 months**
Approved in 27th NCT			
1	OPGW installation on 765 kV Fatehpur-Varanasi S/c line and 765 kV Fatehpur-Sasaram S/c line (proposed to be LILOed at New Prayagraj)	223km+ 356km (=579km)	**30 months**
2	Supply and installation of OPGW on existing 765 kV Gwalior-Satna S/c Line which is proposed to be LILOed at Karera (near Datiya) S/s under TBCB Project namely "Western Region Expansion Scheme XXXIII (WRES-XXXIII): Part B"	341	**30 months**

II. ISTS Transmission schemes, costing greater than ₹ 500 Crore, recommended by NCT to MoP under TBCB:

The ISTS transmission schemes recommended by NCT to MoP are given below:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Tentative Implementation timeframe	BPC	Estimated Cost (₹ Crs.)
1.	Inter-Regional Strengthening between SR Grid and ER Grid	TBCB	30 months from the date of SPV transfer	PFCCL	2710
2.	Inter-Regional Strengthening between SR Grid and WR Grid	TBCB	24 Months from the date of SPV transfer	RECPDCL	1007

The broad scope of the above ISTS schemes to be notified in Gazette of India is as given below:

Sl. No.	Name of Scheme & Tentative implementation timeframe	Broad Scope	Bid Process Coordinator
1.	Inter-Regional Strengthening between SR Grid and ER Grid **Implementation Timeframe:** 30 months from the date of SPV transfer	i. Angul – Srikakulam 765 kV 2nd D/c line (about 275 km) with 240 MVAR SLR at both ends on both circuits ii. 1x330 MVAR, 765 kV bus reactor (3rd) at Angul Substation **(Detailed scope as approved by 29th NCT and subsequent amendments thereof)**	PFCCL
2.	Inter-Regional Strengthening between SR Grid and WR Grid **Implementation Timeframe:** 24 Months from the date of SPV transfer	i. Parli New – Bidar 765 kV D/c line (about 120 km) with 240 MVAR SLR at Bidar end on both circuits **(Detailed scope as approved by 29th NCT and subsequent amendments thereof)**	RECPDCL

III. ISTS Transmission schemes, costing between Rs 100 Crore to Rs 500 Crore, approved by NCT:

The transmission schemes approved by NCT under RTM route is given below:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Estimated Cost (₹ Cr)
1.	Augmentation of 2x500	RTM through	21 months from the	122.88

	MVA (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS	Bikaner A Power Transmission Limited (a 100% wholly owned subsidiary of Powergrid)	date of allocation	

The broad scope of above schemes are given below

Sl. No.	**Name of Scheme & Tentative implementation timeframe**	**Broad Scope**
1.	Augmentation of 2x500 MVA (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS **Implementation Timeframe:** 21 months from the date of allocation	i) Augmentation of 400/220 kV, 2x500 MVA (7^{th} & 8^{th}) ICTs at Bikaner-IV PS along with associated transformer bays ii) 220 kV Sectionalizer bay (1 set), 220 kV BC (1 No.) bay and 220 kV TBC (1 No.) bay at Bikaner-IV PS **(Detailed scope as approved by 29^{th} NCT and subsequent amendments thereof)**

IV. Communication schemes approved by NCT

Sl. No.	Name of Transmission Scheme	Implementation Mode	Tentative Implementation timeframe	Implementing Agency	Estimated Cost (Rs. Crs)
1.	OPGW laying work on 132 kV Dharamnagar-Dullavcherra and 132 kV Dullavcherra-Halaikandi line	RTM	24 months from the date of allocation	POWERGRID	4.662

Annexure-I

List of participants of the 29th meeting of NCT

CEA:

1. Sh. Ghanshyam Prasad, Chairperson, CEA & Chairman, NCT
2. Sh. A. Balan, Member (PS)
3. Sh. Ajay Talegaonkar, Member (E&C)
4. Sh. Ishan Sharan, Chief Engineer (PSPA-I)
5. Sh. S.K. Maharana, Chief Engineer (PCD)
6. Sh. B. S. Bairwa, Chief Engineer (I/C) (PSPA-II)
7. Sh. Farooque Iqbal, Director (PSPA-II)
8. Sh. Pranay Garg, Deputy Director (PSPA-II)
9. Sh. Nitin Deswal, Deputy Director (PSPA-I)
10. Sh. Manish Kumar Verma, Assistant Director (PSPA-II)
11. Sh. Prateek Jadaun, Assistant Director (PSPA-II)

MoP:

1. Sh. Om Kant Shukla, Director (Trans.)

RPCs:

1. Sh. K.B. Jagtap, MS (NERPC)
2. Chief Engineer, JKPTCL
3. Sh. Ehtisham Andrabi, EE, JKPTCL
4. Sh. P D Lone, WRPC
5. Sh. N.S. Mondal, MS(ERPC)

MNRE:

1. Sh. Abhay Bakre, Mission Director (NGHM)

SECI:

1. Sh. Vineet Kumar, DGM
2. Sh. R. K. Agarwal, Consultant

CTUIL:

1. Sh. Ashok Pal, COO
2. Ms. Nutan Mishra, Sr. GM
3. Sh. K.K. Sarkar, Sr. GM
4. Sh. P.S. Das, Sr. GM
5. Sh. Anil Kr Meena, GM
6. Sh. Sandeep Kumawat, DGM
7. Sh. VMS Prakash Y, DGM
8. Sh. Bhaskar Wagh, DGM
9. Sh. Kaushal Suman, Chief Manager
10. Sh. Malla Mahendra, Chief Manager
11. Sh. Venkatesh Gorli, Chief Manager
12. Sh. Pratyush Singh, Chief Manager

GRID India:

1. Sh. S. R. Narasimhan, CMD
2. Sh. Rajiv Porwal, Director (SO)
3. Sh. S.C. Saxena, Director (MO)
4. Sh. Vivek Pandey, CGM (SO)
5. Sh. Priyam Jain, Chief Manager (SO)
6. Sh. Rahul Shukla, Chief Manager (SO)

RECPDCL

1. Sh. Ritam Biswas, AM
2. Sh. Ashwani Kumar, EE

PFCCL

1. Sh. Naveen Phougat, GM
2. Sh. Deepak Kumar, Dy. Manager

Expert Member

1. Sh. Ravinder Gupta, Ex Chief Engineer, CEA