सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

संदर्भ/Ref: CTU/NE/00/54thCMETS-NER

दिनांक/Date: 15-04-2026

वितरण सूची के अनुसार/ As per Distribution List

विषय /Subject: उत्तर पूर्वी क्षेत्र में पारेषण योजनाओं के विकास के लिए 54वीं परामर्श बैठक की कार्यावली (सीएमईटीएस-एनईआर) / Agenda for 54th Consultation Meeting for Evolving Transmission Schemes in North Eastern Region (CMETS-NER)

महोदय/महोदया/ Sir/ Ma'am,

आईएसटीएस योजना और ओपन एक्सेस आवेदन प्रसंस्करण के लिए उत्तर पूर्वी क्षेत्र में पारेषण योजनाओं के विकास के लिए **54वीं** परामर्श बैठक (सीएमईटीएस-एनईआर) वीडियो कॉन्फ्रेंसिंग के माध्यम से नीचे दिए गए विवरण के अनुसार आयोजित होने वाली है:

The **54th** Consultation Meeting for Evolving Transmission Schemes in North Eastern Region (CMETS-NER) for ISTS planning and open access applications processing is scheduled to be held through video conferencing as per details below:

विषय/Topic	: 54th CMETS-NER
दिनांक/Date & समय/Time	: 27th April 2026 at 03:00 pm
दिन/Day	: सोमवार/ Monday
बैठक लिंक/ Meeting Link	: MS-Teams (in email)

इस संबंध में बैठक की कार्यावली अलग से प्रसारित की जाएगी, जो सीटीयू वेबसाइट (*www.ctuil.in >> ISTS Planning & Coordination >> Consultation Meetings for ISTS >> NER*) पर भी उपलब्ध होगी। कृपया उपरोक्त लिंक के माध्यम से बैठक में शामिल होने और रिटर्न मेल के माध्यम से इस संबंध में भागीदार होने की पुष्टि करें।

In this regard, the agenda of the meeting shall be circulated separately and the same will also be available on CTU website (*www.ctuil.in >> ISTS Planning & Coordination >> Consultation Meetings for ISTS >> NER*). It is requested to join the meeting through the above link and send confirmation of participation in this regard through return mail.

धन्यवाद/ Thanking you,

भवदीय/Yours faithfully,

राजेश कुमार

(राजेश कुमार) / (Rajesh Kumar)
वरिष्ठ महाप्रबंधक (टीपी-I)/ Sr. General Manager (TP-I)

A. वितरण सूची / Distribution List:

1. Chief Engineer, PSP&A-II Central Electricity Authority Sewa Bhawan, R.K.Puram New Delhi-110066	**2. Member Secretary** North Eastern Regional Power Committee (NERPC), Meghalaya State Housing Finance Co-operative Society Ltd. Building, Nongrim Hills, Shillong (Meghalaya) – 793003
3. Director (SO) Grid Controller of India Ltd. 9th Floor, IFCI Towers, 61, Nehru Place, New Delhi-110016	**4. Executive Director** North Eastern Regional Load Despatch Centre, Meghalaya State Housing Finance Co-operative Society Ltd. Building, Nongrim Hills Shillong (Meghalaya) - 793003
5. Chief Engineer (Power) Vidyut Bhawan, Department of Power Zero Point Tinali Itanagar (Arunachal Pradesh) – 791111	**6. Managing Director** Assam Electricity Grid Corporation Limited Bijulee Bhawan, Paltan Bazar Guwahati (Assam) – 781001
7. Chief Engineer (T&G) Department of Power, Electricity House, A.G. Colony, Kohima, Nagaland- 797001	**8. CMD** Meghalaya Energy Corporation Limited Lum Jingshai, Short Round Road Shillonq (Meghalaya) – 793001
9. Managing Director Manipur State Power Company Ltd. (MSPCL), Electricity Complex, Patta No. 1293 under 87(2), Khwai Bazar, Keishampat, Imphal West, Manipur – 795001	**10. Managing Director** Tripura Power Transmission Limited (TPTL) Urja Bhawan, 79 Tilla, Agartala Tripura – 799006
11. Engineer-in-Chief Power & Electricity Department, Kawlphetha Building, New Secretariat Complex, Khatla, Aizawl, Mizoram- 796001	

B. विशेष आमंत्रित /Special invitee:

1. Director (Projects) Power Grid Corporation of India Ltd. "Saudamini", Plot No. 2, Sec-29, Gurugram, Haryana-122001	

Agenda for 54th Consultation Meeting for Evolving Transmission Schemes in North Eastern Region (CMETS-NER)

1. Confirmation of minutes of the 53rd meeting

The minutes of the 53rd meeting of CMETS-NER held on 27-03-2026 were issued vide letter dated 06-04-2026. As no comment has been received, the minutes may be confirmed as circulated.

A. Connectivity and GNA application(s) related matters in NER

No new Connectivity/GNA application for NER had been received in the month of March 2026.

B. ISTS expansion schemes in NER

2. Establishment of 132/33kV, 2x10MVA Koronu S/s through LILO of ISTS line

2.1. In view of upcoming Ferro-alloy industrial demand of about 62MW in Koronu area and power evacuation of upcoming 24.6 MW Kamlang Hydro Electric Project; DoP, Arunachal Pradesh vide email dated 10-04-2025 had proposed the following two new transmission systems under intra-state, to be implemented by DoP, AP:

i. Establishment of new 132/33kV, 2x10MVA Koronu S/s through LILO of Roing (POWERGRID) – Tezu (POWERGRID) 132kV ISTS line

ii. Establishment of new 132/33kV, 2x10MVA Wakro S/s through LILO of Tezu (POWERGRID) – Namsai (POWERGRID) 132kV ISTS line.

2.2. Subject agenda was deliberated in the 43rd CMETS-NER meeting, wherein based on the deliberations and system studies, it was decided that following scope of work involving LILO of ISTS lines can be taken up for implementation under intra-state scheme by DoP, Arunachal Pradesh:

(i) Establishment of new 132/33kV, 2x10MVA Koronu S/s through LILO of one circuit of Roing (POWERGRID) – Tezu (POWERGRID) 132kV D/c ISTS line (1st ckt is existing & 2nd ckt stringing is planned under NERES-XXIII) at Koronu S/s.

(ii) Establishment of new 132/33kV, 2x10MVA Wakro S/s through LILO of one circuit of Tezu (POWERGRID) – Namsai (POWERGRID) 132kV D/c ISTS line (1st ckt is existing & 2nd ckt stringing is planned under NERES-XXIII) at Wakro S/s.

2.3. During the discussions for report on intra state transmission resource adequacy plan for Arunachal Pradesh by the year 2034-35, it was observed that after considering power evacuation from upcoming HEPs in Brahmaputra Basin, there is a requirement of LILO of 2nd ckt of Roing (POWERGRID) – Tezu (POWERGRID) 132kV D/c ISTS line at Koronu (DoP, AP) S/s.

2.4. In the 53rd CMETS-NER, it was agreed that following scope of work involving LILO of ISTS lines may be taken up for implementation under intra-state scheme by DoP, Arunachal Pradesh:

- *Establishment of new 132/33kV, 2x10MVA Koronu S/s through LILO of both circuits of Roing (POWERGRID) – Tezu (POWERGRID) 132kV D/c ISTS line (1st ckt is existing & 2nd ckt stringing is planned under NERES-XXIII) at Koronu S/s.*

2.5. It was also decided in previous CMETS-NER that regarding timeline for implementation and development of industrial demand and small hydro; DoP, Arunachal Pradesh shall share the development plans along with their timelines in the next CMETS-NER meeting. DoP, AP may update.

2.6. Matter may be deliberated.

3. Power evacuation of thermal plant (3200MW) in Chapar, Assam by APDCL: Agenda by AEGCL

3.1. AEGCL vide its letter dated 12-03-2026 shared the agenda for deliberation in the CMETS-NER meeting regarding evacuation of power from proposed 3200MW thermal power plant of M/s Adani Power Limited at Chapar, Assam. AEGCL has mentioned that to ensure the reliable operation of transmission system in NER, they have carried out the requisite system studies and based on the outcomes AEGCL has proposed the following transmission system:

➢ **System at Generating Station (Developer Scope)**

- Establishment of two separate 400kV switchyards at the generating station, each with 2×800 MW connectivity.
- 400kV Chapar Switchyard–I to be connected to proposed 400kV Salakati GSS (AEGCL) through 400kV D/c Quad Moose line (~40 ckms).
- 400 kV Chapar Switchyard–II to be connected to proposed 400kV Agia GSS (AEGCL) through 400 kV D/c Quad Moose line (~40 ckms).
- Provision of bus coupler arrangement between the two switchyards for operational flexibility.

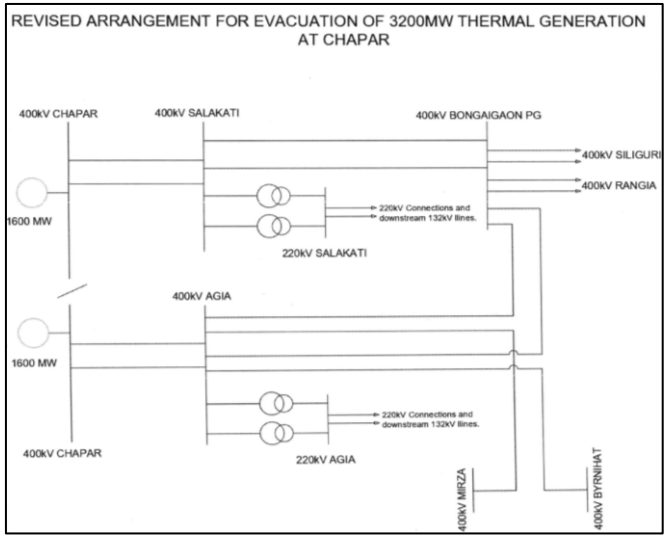
➢ **Transmission System under AEGCL Scope**

a) Establishment of 400/220 kV New Salakati GSS

- 400kV Chapar Switchyard–I – New Salakati D/c Quad Moose line (~40 ckms).
- 400kV New Salakati – Bongaigaon (PG) D/c Quad Moose line (~8 ckms).
- 2x500 MVA, 400/220kV ICTs at New Salakati GSS.
- 2x80 MVAR Bus Reactors at 400kV New Salakati GSS.
- D/c LILO of existing 220 kV Rangia – Salakati line at New Salakati GSS (approx. 10 ckms each for loop-in and loop-out).
- Reconductoring of 220kV New Salakati – Salakati D/c line with Zebra equivalent HTLS conductor.

b) Upgradation of Existing 220 kV Agia GSS to 400 kV Level

- 400kV Chapar Switchyard–II – Agia D/c Quad Moose line (~40 ckms).
- D/c LILO of 400kV Bongaigaon (PG) – Silchar (PG) line at Agia GSS (approx. 30 ckms each for loop-in and loop-out).
- 2x315 MVA, 400/220kV ICTs at Agia GSS.
- 2x80 MVAR Bus Reactors at 400kV Agia GSS.



➢ **ISTS Interface**

- Termination of 400kV New Salakati – Bongaigaon (PG) D/c line at available spare bays at 400kV Bongaigaon (PG) GSS.

- Reconductoring of associated ISTS lines, if required, for facilitating power evacuation.

➢ **Associated Transmission Strengthening Works**

- Upgradation of 132kV Dhaligaon – Gossaigaon S/c line to 220kV D/c line using existing RoW with 220kV bays at both ends.
- Reconductoring of 220kV Agia – BTPS D/c line with AAAC Zebra conductor.

3.2. The proposed evacuation system for 1600MW thermal plant each at Rupsi and Chapar was studied under the "**Transmission Resource Adequacy Report of Assam"** for 2034-35 timeframe in consultation with CEA and the revised proposed plan by AEGCL is substantially different from details shared by AEGCL with CEA during the above studies. Further, from the studies with revised intra-state transmission plan, it was observed that out of each 1600MW at both locations i.e. Rupsi and Chapar, power is mainly getting injected into ISTS which otherwise should be dispersed within state network as the plant is intra-state in nature. Moreover, injection or drawl into ISTS may need requirement of enhancement of injection GNA under 17.1 (vi) by the generator or drawl GNA under 17.1 (i) by AEGCL respectively.

3.3. In view of the above, CTU vide email dated 24-03-2026 requested AEGCL that considering the revision in intra-state evacuation systems and high power injection into the ISTS network, the subject matter may be taken up with CEA for a joint study meeting so as to finalise the revised evacuation systems for the said thermal plants. Further, in the 53rd CMETS-NER, it was mentioned that AEGCL shall review their intra-state evacuation plan considering more lines to major load centres of Assam such as Rangia 400kV and/or Sonapur 400kV substations. This shall be further deliberated in the joint study meeting convened by CEA. Based on the outcome of the joint study meeting, the matter shall be discussed in future CMETS-NER meeting.

3.4. Thereafter, the matter was discussed in the joint study meeting held on 02-04-2026 under the chairmanship of Chief Engineer (PSPA-II), CEA, wherein CTU presented the detailed studies. CTU stated that the said thermal power generation is an intra-state generation; therefore, it would be preferable for AEGCL to utilize the power within the state. However, as per the transmission system proposed by AEGCL, the major portion of power from the Chapar power plant flows through the ISTS network, and AEGCL, in turn, draws its state demand from the ISTS network. This is due to the fact that the 400/220kV New Salakati and 400/220kV Agia substations are very close to Bongaigaon (POWERGRID) S/s and directly connected to the ISTS substations. Accordingly, CTU proposed the following alternative transmission system for dispersal of power to different load centres of Assam:

- Chapar-I – New Salakati – New Rangia 400kV D/c (Quad) line

- Chapar-II – Agia – Sonapur 400kV (Quad) line

3.5. As per the above transmission network proposed by CTU, the generation plants shall be connected to the ISTS network after two levels of 400/220 kV substations of AEGCL. The study results indicate higher power drawal through the 400/220kV ICTs at AEGCL substations compared to transmission system proposed by AEGCL. The study results are tabulated below:

(All fig. in MW/ICT)

Scenarios	New Salakati		Rangia New		Agia		Sonapur	
	As per AEGCL proposal (2x500)	As per CTUIL proposal (3x500)	As per AEGCL proposal (2x500)	As per CTUIL proposal (2x500)	As per AEGCL proposal (2x500)	As per CTUIL proposal (2x500)	As per AEGCL proposal (2x500)	As per CTUIL proposal (2x500)
Sc1	112	339	40	21	125	358	36	133
Sc2	167	320	**147**	**146**	**183**	338	**83**	**198**
Sc3	150	350	97	81	144	371	68	164
Sc4	125	331	63	48	116	345	42	145
Sc5	**169**	247	139	125	170	357	78	183
Sc6	156	354	115	98	154	367	71	169
Sc7	101	**388**	19	22	93	**394**	22	101
Sc8	146	356	93	72	134	377	66	159
Sc9	125	340	36	19	109	372	47	137
Max drawal (with all ICTs)	338	1164	294	292	366	788	166	396
Min drawal (with all ICTs)	202	741	38	38	186	676	44	202

3.6. From the above 9 scenarios, it was observed that the maximum drawal by AEGCL at the above 4 S/s is about 1164MW (as per AEGCL proposal) which enhances significantly to about 2640MW (as per CTUIL proposal). Thus, AEGCL can absorb about 82% generation of Chapar (4x800MW) thermal plant to meet its drawal requirement. However, the minimum drawal by AEGCL at the above 4 S/s is only 470MW (as per AEGCL proposal) as compared to about 1657MW (as per CTUIL proposal).

3.7. AEGCL agreed to the proposal of CTUIL and requested for sharing of the PSSE files to review. CTUIL shared the PSSE files vide email dated 02-04-2026.

3.8. AEGCL is requested to update their plan for power evacuation from Chapar plant.

3.9. Matter may be deliberated.

4. Status of downstream 220kV or 132kV network by STUs from the various commissioned and under-construction ISTS substations in NER

4.1. Numbers of ISTS sub-stations have been commissioned and some are under construction for which the downstream system is being implemented by the STUs. Based on the information provided by the states, updated information on planned/under-construction downstream system is given at **Annexure-I**.

4.2. STUs/NERPC may update the status of downstream system given at **Annexure-I** prior to the meeting for further deliberations in the meeting, if any.

5. Status of 400kV substations and other important elements being implemented by STUs in NER under intra-state schemes to be connected through ISTS

5.1. Various 400kV substations have been approved in the intra-state strengthening schemes in NER having interconnection with ISTS grid involving LILO of ISTS lines or direct connection to ISTS substations. Status of such intra-sate substations as per available information is given at **Annexure-II**.

5.2. STUs/NERPC may update the status of the transmission system given at **Annexure-II** prior to the meeting for further deliberations in the meeting, if any.

6. Status of space allocated at various ISTS substations to STUs for implementation of line bays under intra state system) for their intra state lines

6.1. Space at various ISTS substations have been allocated to STUs for creation of line bays for termination of their new intra-state lines. List of such ISTS substations as per available information is given at **Annexure-III**.

6.2. STUs may update the status of the bays given at **Annexure-III** prior to the meeting for further deliberations in the meeting, if any.

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Annexure-I

Status of Downstream Transmission Network in NER

Sl. No.	ISTS S/s	State	Voltage ratio, Trans. Cap	Down-stream Voltage level (kV)	Unutilised bays	Status of ISTS bay	STU Lines for unutilised bays	Status of Lines	
								Date of Award	Completion schedule
1	New Mariani (POWERGRID)	Assam	400/220kV, 2x500MVA	220	2	Commissioned	New Mariani (POWERGRID) – Diphu (Assam) 220kV D/c line	Plan for route survey from Diphu to New Mariani is underway. The transmission route traverses designated forest area. Survey work is completed only funding is pending.	Three years from the date of LoA. Completion is expected by 2028.#
2	New Kohima (TBCB)	Nagaland	400/220kV, 2x500MVA	220	2	Commissioned	New Kohima (TBCB) – New Kohima (Nagaland) 220kV D/c line (2.5 ckm)	Feb 2021	Line works have been completed. Signing of connection agreement is underway. Expected to be completed by April 2026.
.3	Nangalbibra (TBCB)	Meghalaya	220/132kV, 2x160MVA	132	2	Under Construction (July 2024)	Nangalbibra (ISTS) – Nangalbibra (MePTCL) 132kV D/c (Single HTLS-800A) line: about 5km	Tender document to be opened.	24 months from award.***** Till completion of original line, an interim arrangement has been agreed by CEA as per proposal of MePTCL. CEA vide letter dated 05-07-2024 has mentioned that *"In view of utilisation of ISTS asset and to enhance reliability of power supply in the western parts of Meghalaya the interim arrangement as proposed by MePTCL i.e. "LILO of Mendipathar – Nangalbibra (MePTCL) 132 kV S/c line at Nangalbibra (ISTS) substation" is in order. However, the LILO*

Sl. No.	ISTS S/s	State	Voltage ratio, Trans. Cap	Down-stream Voltage level (kV)	Unutilised bays	Status of ISTS bay	STU Lines for unutilised bays	Status of Lines	
								Date of Award	Completion schedule
									should be made with Single Moose or equivalent conductor. Further, MePTCL should endeavour to implement the approved system at the earliest." Foundation work has been completed. As per final survey for LILO portion (1.45 kms) 4 out of 6 nos. of towers have been erected. Re-routing of Interim arrangement is explored due to RoW issues. Material for main line has been procured; however, erection works are yet to be awarded. Expected to be completed by Dec 2026.
				220	2		Nangalbibra (ISTS) – Sohra (MePTCL) 220 kV D/c line	As per report on intra state transmission resource adequacy plan for Meghalaya by the year 2034-35 it was mentioned that Nangalbibra (ISTS) – New Shillong (MePTCL) 220 kV D/c line – (300 ckm) is not required to be implemented. However, for evacuation of power from generation projects in the Sohra area towards the load centres in the capital area, a new line Nangalbibra (ISTS) – Sohra (MePTCL) – New Shillong (MePTCL) 220 kV D/c line was proposed. Funding awaited.	

**Before 32nd CMETS-NER, MePTCL had been informing that downstream line shall be completed within six (6) months from award, however, thereafter 24 months is being intimated. Accordingly, CTU had requested MePTCL to expedite the implementation of their scope of works and also take up the matter with ISTS licensee (M/s NBTL) regarding issues, if any, with copy to CTU.*

#Status as per 52nd CMETS-NER.

Annexure-II

Status of 400kV substations and other important elements being implemented in NER under intra-state schemes to be connected to ISTS

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
A	**Assam (to be implemented by AEGCL)** #			
I	**Rangia**	400/220kV, 2x500MVA	19-03-2024	April 2027
a)	LILO of both circuits of Bongaigaon – Balipara 400kV D/c (Twin Moose) line at Rangia (OPGW in scope)	400kV D/c		
II	**Khumtai**	400/220/132kV, 2x500MVA + 2x160MVA	Project proposal is submitted Govt. of Assam for funding under EAP. 220kV part is under construction by M/s RS Infra Pvt Ltd. Under ongoing AIIB scheme and work is in progress.	220kV level: July 2026 400kV level: Under approval
a)	Khumtai (AEGCL) – Biswanath Chariali (PG) 400kV D/c line	400kV D/c	Survey work completed. Tender to be floated after finalization of fund allotment.	
III	**Upgradation of Gohpur S/s from AIS to GIS**	-	07-11-2022 Contract awarded to M/s Sumaja Electroinfra Pvt Ltd.	April 2026
a)	2 no. 132kV GIS line bays at Gohpur for termination of LILO of one circuit of Biswanath Chariali – Itanagar 132kV D/c line ***Note: Line works under ISTS through TBCB has been completed.***	132kV		
IV	**Creation of 400/220kV (GIS) level at existing Sonapur S/s**	400/220kV, 2x500MVA	19-11-2024	Dec 2026
a)	LILO of Silchar (PG) – Byrnihat (MePTCL) 400kV S/c line at Sonapur	LILO of 400kV S/c		
B	**Tripura (to be implemented by TPTL)**			
I	**Surajmaninagar (TPTL)**	400/132kV, 2x315MVA	DPR is ready. To be implemented through TBCB route. Approaching PFC & REC to act as BPC.	Tendering awaited. 18 months from Date of Award.*
a)	LILO of both circuits of Surajmaninagar (ISTS) – Palatana 400kV D/c line at Surajmaninagar (TPTL) S/s: Under POWERGRID scope	400kV D/c line	-	<u>ISTS line works:</u> Completed <u>ISTS bay works:</u> Not started due to non-commencement of sub-station work by TPTL.

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
C	**Nagaland**			
I	**New Kohima (Zhadima) 220/132kV S/s**	**-**	**-**	Substation is ready.
a)	LILO of one ckt of Misa-Dimapur 220kV D/c at Zhadima (60km loop-in and 60km loop-out)	220kV	Awarded. PTCC clearance awaited. NoC from BSNL is awaited.	Shifting of 1no of tower is required Expected by Apr 2026.
D	**Arunachal Pradesh**			
I	**Koronu 132/33kV S/s**	132/33kV 2x10MVA	Looking for funding	2027-28
	LILO of both ckt of Roing (POWERGRID) – Tezu (POWERGRID) 132kV D/c ISTS line	132kV D/c LILO		
II	**Wakro132/33kV S/s**	132/33kV 2x10MVA	Looking for funding	2027-28
	LILO of one ckt of Tezu (POWERGRID) – Namsai (POWERGRID) 132kV D/c ISTS line	132kV S/c LILO		

#Status as per 52nd CMETS-NER.

** In 45th CMETS-NER, TPTL updated the implementation timeframe from 12 months to 18 months.*

Annexure-III

Space allocated at various ISTS substations to STUs for implementation of line bays under intra state system for their intra state lines

Sl. No.	Substation/ Location	Space for	Date of award of line and bays	Completion Schedule	Agreed in CMETS-ER
1.	Surajmaninagar (ISTS)	2 nos. 132kV lines bays for termination of LILO of 2nd circuit of Surajmaninagar (TPTL) – Bodhjungnagar 132kV D/c line at Surajmaninagar (ISTS)	-	Tendering awaited.	10th