

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/E/00/12th CMETS-ER

दिनांक/Date: 10-11-2022

वितरण सूची के अनुसार/ As per Distribution List

विषय/ Subject: पूर्वी क्षेत्र में पारेषण योजनाओं के विकास के लिए 12^{वीं} परामर्श बैठक के कार्यवृत्त (सीएमईटीएस-ईआर) / Minutes of 12th Consultation Meeting for Evolving Transmission Schemes in Eastern Region (CMETS-ER)

महोदय/महोदया/ Sir/ Ma'am,

पूर्वी क्षेत्र में पारेषण योजनाओं के विकास के लिए 12^{वीं} परामर्श बैठक 28 अक्टूबर, 2022 को वीडियो कॉन्फ्रेंस के माध्यम से आयोजित की गई थी। इस संबंध में बैठक के कार्यवृत्त संलग्न है। यही CTUIL की वेबसाइट (www.ctuil.in >> [ISTS Planning and Coordination](#) >> [Consultation Meeting for ISTS >> Eastern Region](#)) पर भी उपलब्ध है।

The 12th Consultation Meeting for Evolving Transmission Schemes in Eastern Region (CMETS-ER) was held on 28th October, 2022 through video conferencing. In this regard, please find enclosed minutes of the meeting. The same is available on CTUIL website (www.ctuil.in >> [ISTS Planning and Coordination](#) >> [Consultation Meeting for ISTS >> Eastern Region](#))

धन्यवाद/ Thanking you,

भवदीय / Yours faithfully,


10.11.2022

(राजेश कुमार) / (Rajesh Kumar)
महाप्रबंधक/ General Manager

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 Eastern Regional Power Committee 14, Golf Club Road, Tollygunge Kolkata-700033
3.	Director (SO) Power System Operation Corporation Ltd. (POSOCO) 9 th Floor, IFCI Towers, 61, Nehru Place, New Delhi-110016	4.	Executive Director Eastern Regional Load Despatch Centre 14, Golf Club Road, Jubilee Park, Golf Gardens, Tollygunge, Kolkata, West Bengal - 700095
5.	CMD Damodar Valley Corporation DVC Towers, VIP Road Kolkata-700054	6.	CMD Odisha Power Transmission Corporation Ltd. (OPTCL) Bhoinagar Post Office, Jan path Bhubaneshwar-751022
7.	CMD Bihar State Power Transmission Company Ltd. (BSPTCL) Vidyut Bhavan, 4 th floor, Bailey Road Patna-800021	8.	CMD Jharkhand Urja Sancharan Nigam Limited (JUSNL) Engineering Building, HEC, Dhurwa Ranchi -834004
9.	Principal Chief Engineer cum Secretary Power Department Government of Sikkim Gangtok, Sikkim	10.	Managing Director West Bengal State Electricity Transmission Company Ltd. (WBSETCL) Vidyut Bhavan, 8 th Floor, A-Block Salt Lake City, Kolkata-700091
11.	Director (Projects) Power Grid Corporation of India Ltd. "Saudamini", Plot No. 2, Sec-29, Gurugram Haryana-122001	12.	Managing Director Haldia Energy Limited (HEL) 2A, Lord Sinha Road, First Floor, Kolkata, West Bengal - 700 071, Email: rabi.chowdhury@rpsq.in ; kakali@rpsq.in ;
13.	Chairman CESC Limited CESC House, Chowringhee Square Kolkata – 700001 Email: kakali@rpsq.in ; rabi.chowdhury@rpsq.in		

Minutes of 12th Consultation Meeting for Evolving Transmission Schemes in Eastern Region (CMETS-ER)

GM (CTUIL) welcomed the participants to the meeting.

List of the participants is enclosed at **Annexure-I**. Agenda wise deliberations and decisions are given below:

1. Confirmation of minutes of the previous meeting

CTU informed that minutes of the 11th CMETS-ER held on 28-09-2022 were issued vide letter dated 14-10-2022. As no comments have been received, the minutes were considered to be confirmed as circulated.

A. Application related matters in Eastern Region (ER)

CTU informed that no new open access Application with drawl or injection in Eastern Region has been received in the month of September 2022.

B. ISTS expansion schemes in Eastern Region

2. Revised connectivity for Laxmikantpur 400/132kV S/s and split bus arrangement at Laxmikantpur S/s

2.1. CTU informed that in the 11th CMETS-ER held on 28-09-2022, following was deliberated:

“WBSETCL and HEL would jointly finalise requirement of the additional data and carry out necessary system studies. WBSETCL mentioned that if the matter is not resolved by the next CMETS-ER they would come up with alternate proposal for establishment of New Laxmikantpur S/s”.

However, no decision / studies have been received from either WBSETCL or HEL on the subject matter.

2.2. HEL mentioned that they are yet to receive all the requisite inputs from WBSETCL to carry out necessary studies, and have discussion with their OEM on the subject matter. Accordingly, they mentioned that they may need some more time and would submit their observations before the next CMETS-ER.

2.3. On enquiry regarding outcome of joint meeting between HEL & WBSETCL and any alternate proposal for establishment of New Laxmikantpur S/s as agreed in the 11th CMETS-ER, HEL informed that no meeting has been convened with WBSETCL till date. Accordingly, no alternate proposals have been discussed in this regard.

2.4. ERLDC re-iterated that the transmission system for establishment of 400/132kV New Laxmikantpur substation through LILO of Subashgram (POWERGRID) –

Haldia 400kV D/c line at New Laxmikantpur S/s, had already been discussed and agreed in the 2nd meeting of erstwhile ERSCT held on 05-07-2019 after detailed studies. As there is no major development in the transmission system in the nearby area of Subashgram / Haldia for the last 3 years, it might not require much time to do additional studies, if any. Further, the condition would become critical in future if the decision for implementation of New Laxmikantpur substation is further delayed. CTU & ERPC agreed to the same, and requested HEL to resolve the matter at the earliest.

- 2.5. CTU informed that in the 2nd meeting of erstwhile ERSCT held on 05-07-2019, the scope of works for establishment of 400/132kV New Laxmikantpur substation through LILO of Subashgram (POWERGRID) – Haldia 400kV D/c line at New Laxmikantpur S/s under intra-state has already been approved on technical grounds by all the stakeholders including HEL and CESC (also recorded in the minutes of the meeting). HEL was requested to provide go ahead on the said scope before the next CEMTS-ER as further delays in implementation of New Laxmikantpur S/s may jeopardise reliability of power supply in Kolkata area.
- 2.6. WBSECTL was also requested to coordinate with HEL for early resolution of the matter as reliability of power supply to capital city of Kolkata is at stake.
- 2.7. After detailed deliberation, it was decided that WBSETCL and HEL would meet and jointly finalise requirement of the additional data and carry out necessary system studies at the earliest. It was also decided that a separate meeting may be convened at ERPC level of all concerned for deliberation and early resolution of the issue. WBSETCL also mentioned that if the matter is not resolved by the next CMETS-ER, they would come up with alternate proposal for establishment of New Laxmikantpur S/s.

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

- 3.1. CTU informed that 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-II**.

4. Status of 400kV substations being implemented by STUs/entities in ER to be connected through ISTS

- 4.1. CTU informed that various 400kV substations have been approved in the intra-state strengthening schemes in ER having interconnection with ISTS grid involving LILO of ISTS lines or direct connection to ISTS substations. Status of

intra-state substations and associated lines as updated by STUs in the meeting is given at **Annexure-III**.

- 4.2. OPTCL mentioned that they would confirm in next meeting whether to drop the transmission scheme associated with establishment of Begunia S/s.
5. **Status of space allocated at various ISTS substations to STUs for implementation of line bays under intra state system) for their intra state lines**
 - 5.1. CTU informed that 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-IV**. Status of the bays allocated at ISTS S/s as updated by STUs in the meeting is given at **Annexure-IV**.
 - 5.2. OPTCL mentioned that they would confirm in next meeting whether to drop the Rourkela (POWERGRID) – Tarkera 220kV D/c (HTLS) line (2nd).

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Annexure-I

List of participants of 12th Consultation Meeting for Evolving Transmission Schemes in Eastern Region (CMETS-ER)

Sl. No.	Name	Designation	Organization	Email id
1.	Sh. Rajesh Kumar	GM	CTU	rajeshkumar@powergrid.in
2.	Sh. Manish Ranjan Keshari	Manager	CTU	manish.keshari@powergrid.in
3.	Sh. Shyam Sunder Goyal	Manager	CTU	shyam.goyal@powergrid.in
4.	Sh. Anupam Kumar	Manager	CTU	i.anupamk@powergrid.in
5.	Sh. Abhilash Thakur	Engineer	CTU	abhilash.28@powergrid.in
6.	Sh. Kumar Satyam	Asst. Director	ERPC	satyam.24365@gov.in
7.	Sh. Saugato Mondal	DGM	ERLDC	saugato@posoco.in
8.	Sh. Shyamal Konar	General manager (SO)	ERLDC	konar_s@posoco.in
9.	Sh. Saurav Kr Sahay	Chief Manager	ERLDC	saurav.sahay@posoco.in
10.	Sh. Chandan Kumar	Manager	ERLDC	chandan@posoco.in
11.	Sh. Akash Modi	Manager	ERLDC	akmodi@posoco.in
12.	Sh. Shabari Pramanick	Manager	ERLDC	shabari.pramanick@posoco.in
13.	Sh. Debashis Chaki	CE, CPD	WBSETCL	cpd.wbsetcl@gmail.com
14.	Sh. Ranjan Das	Addl. CE	WBSETCL	cpd.wbsetcl@gmail.com
15.	Sh. Sandip Pal	CE(SYSTEM)	DVC	sandip.pal@dvc.gov.in
16.	Sh. Jayanta Dutta	Chief Engineer	DVC	jayanta.dutta@dvc.gov.in
17.	Sh. Amiyaranjan Swain	Executive Engineer	DVC	amiyaranjan.swain@dvc.gov.in
18.	Sh. C. R. Mishra	CGM (Corporate Planning)	OPTCL	
19.	Sh. A. K. Banerjee	DGM	OPTCL	ele.akbanerjee@optcl.co.in
20.	Sh. H R Pandey	Director (Projects)	BSPTCL	dir.proj.bsptcl@gmail.com
21.	Sh. Shankar Kumar	Cheif Engineer (Project-2)	BSPTCL	project.2@bsptcl.bihar.gov.in
22.	Sh. Ratan Kumar	CE (Project)	BSPTCL	ce.trans664@gmail.com
23.	Ms.Renu Kumari	AEE SLDC	BSPTCL	inv.renu801@gmail.com
24.	Sh. Manoj Kumar	ESE	PMC, BSPHCL	
25.	Sh. Praveen Kumar	EEE(STU)	BSPTCL	stubsptcl2019@gmail.com
26.	Sh. Ajit Kumar Bhagat	Sr Manager	JUSNL	cetjusnl@gmail.com
27.	Sh. Pemba Lepcha	Additional Chief Engineer (Tr)	Sikkim	boblep26@gmail.com
28.	Sh. Sudipta Mukherjee	ED (Gen)	HEL	sudipta.mukherjee@rpsg.in
29.	Sh. Sandip Pal	VP (SO)	CESC Limited	sandip.pal@rpsg.in

Annexure-II

Status of Downstream Transmission Network in ER

Sl. No.	ISTS S/s	State	Voltage ratio, Trans. Cap	Downstream Voltage level (kV)	Unutilised bays	Status of ISTS bay	STU lines for unutilised bays	Status of Lines	
								Date of Award	Completion schedule
1.	Chaibasa	Jharkhand	400/220kV, 2x315MVA	220	2	Existing bay	Chaibasa (POWERGRID) – Jadugoda (JUSNL) 220kV D/c		Will be taken up in future. No firm plan as of now.
2.	Daltonganj	Jharkhand	400/220/132kV, 2x315MVA+ 2x160MVA	132	2	Existing bay	Daltonganj (POWERGRID) – Chatarpur 132kV D/c	22-10-2019	Expected by 31-12-2023.
3.	Dhanbad	Jharkhand	400/220kV	220	4	Existing bay	LILO of 1 st circuit of 220kV Dumka – Govindpur D/c line at Dhanbad (23km)	Bid evaluation is in progress. Price bid opened. Additional funds are required, proposal sent to state govt. for approval	Expected by Dec 2023.
							LILO of 2 nd circuit of 220kV Dumka – Govindpur D/c line at Dhanbad		
4.	Keonjhar	Odisha	400/220kV, 2x315MVA	220	2	Existing bay	Keonjhar (POWERGRID) – Turumunga (OPTCL) 220kV D/c		Expected by Mar 2023.
5.	Subashgram	West Bengal	400/220kV, 2x315MVA+ 1x500MVA	220	2	Existing bay	Subashgram (POWERGRID) – Baraipur 220kV D/c line		220kV Baruipur substation charged. 132kV downstream delayed due to RoW. Expected by Jan 2023.

Sl. No.	ISTS S/s	State	Voltage ratio, Trans. Cap	Downstream Voltage level (kV)	Unutilised bays	Status of ISTS bay	STU lines for unutilised bays	Status of Lines	
								Date of Award	Completion schedule
6.	Rajarhat	West Bengal	400/220kV, 2x500MVA	220	2	Existing bay	Rajarhat (POWERGRID) – New Town AA2C 220kV D/c		Cable laying has been completed. Cable termination work is going on which is expected by Sep 2022. Line would be charge upon completion of same. Substation is expected by Dec 2022.
7.	Sitamarhi (New)	Bihar	400/220/132kV, 2x500MVA + 2x200MVA	132	2	Existing bay	LILO of Benipatti - Pupri 132kV S/c at Sitamarhi (New)		Expected by Mar 2023
8.	Saharsa (New)	Bihar	400/220/132kV, 2x500MVA + 2x200MVA	132	2-ISTS (addn.4 by state)	Existing bay	Saharsa (New) - Saharsa 132kV D/c line formed by LILO of Saharsa - Banmankhi and Saharsa - Uda Kishanganj 132kV S/c line		04 nos. of bays are under construction by BSPTCL at Saharsa (New). These bays are expected in Dec 2022.
9.	Banka	Bihar	400/220/132kV, 2x500MVA + 2x200 & 1x315MVA	220	2	Oct 2024	Banka (POWERGRID) – Goradih (Sabour New) 220kV D/c line	Award expected in Dec 2022	18 months from date of award

Annexure-III

Status of 400kV & 220kV substations being implemented by STUs/entities in ER to be connected to ISTS

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
A Bihar (to be implemented by BSPTCL)				
I	Bakhtiyarpur GIS	400/220/132kV, 2x500MVA + 2x160MVA	26.11.2019	Progressively from Jan'22 to Feb'22.
a)	LILO of both circuits of Barh – Patna (PG) 400kV D/c (Quad) line-1 at Bakhtiyarpur 400 kV 2xD/c line	400kV 2xD/c	26.11.2019	Line ready to be charged matching with Bakhtiyarpur S/s.
II	Chappra (New)	400/220/132kV, 2x500MVA + 2x200MVA	Cabinet approval under process	24 months from date of award
a)	LILO of 400 kV Barh (NTPC) - Motihari (DMTCL) D/C (Quad) transmission line at Chappra	400kV 2xD/c	Cabinet approval under process	24 months from date of award.
B Odisha (to be implemented by OPTCL)				
I	Digapahandi	400/220kV, 2x500MVA	Tendering activity to be taken up shortly along with Pandiabili-Digapahandi 400kV D/c line	2025-26
a)	Digapahandi – Therubali – Jeypore 400kV D/c line	400kV D/c	To be taken after tending of Digapahandi S/s	2025-26
II	Therubali	400kV switching station along with 420kV, 1x125MVAr bus reactor	Survey completed. Land schedule is under preparation	2026-27
III	Bhadrak	400/220kV, 2x500MVA	Tendering is in hold	2025-26
a)	LILO of Baripada – Duburi and Baripada – Pandiabili 400kV line sections at Bhadrak	400kV D/c	Tendering in progress	2025-26
IV	Paradeep*	400/220kV, 2x500MVA		24 months
a)	Paradeep – Duburi 400kV D/c line	400kV D/c	Line package awarded May'22	24 months

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
			and substation package send to government for approval	
V	Paradeep*	765/400kV, 2x1500MVA	Survey completed. Land schedule is under preparation	2026-27
a)	Angul (POWERGRID) – Paradeep (OPTCL) 765kV D/c line	765kV D/c	Survey completed. Land schedule is under preparation	2026-27
VI	Begunia	765/400kV, 2x1500MVA	Kept in abeyance	Kept in abeyance
a)	Angul – Begunia 765kV D/c line	765kV D/c	Kept in abeyance	Kept in abeyance
b)	LILO of Pandiabil – Digapahandi 400kV D/c line at Begunia	400kV D/c	Kept in abeyance	Kept in abeyance
C	Jharkhand (to be implemented by JUSNL)			
I	Chandil (New)	400/220kV, 2x500MVA	Bid price very high. It will send to Jharkhand cabinet for approval	24 months
a)	PVUNL – Chandil 400kV D/c (Quad) line	400kV D/c (Quad)		
b)	Chandil – Chaibasa (POWERGRID) 400kV D/c (Quad) line	400kV D/c (Quad)		
c)	Chandil – Dhanbad 400kV D/c (Quad) line	400kV D/c (Quad)		
II	Koderma	400/220/132/33kV, 2x500MVA + 2x200MVA + 2x80MVA		
a)	PVUNL – Koderma 400kV D/c (Quad) line	400kV D/c (Quad)		
III	Latehar			
a)	Patratu – Latehar 400kV D/c line	400kV D/c	Forest Stage-I clearance is awaited.	Apr 2023
b)	Latehar – Chandwa (POWERGRID) 400kV D/c line	400kV D/c	All clearances have been obtained. Works for 20km is pending due to theft of line.	Apr 2023
IV	Jasidih	400/220kV, 2x500MVA	-	

Sl. No.	Substation/Location	Transformation Capacity/ Element	Date of Award	Completion Schedule
a)	Koderma (JUSNL) – Jasidih 400kV D/c (Quad) line	400kV D/c (Quad)	-	No firm plan now. To be taken up in future.
b)	Jasidih – Dumka 400kV D/c (Quad) line	400kV D/c (Quad)	-	
V	Mander	400/220kV, 2x500MVA	-	
a)	LILO of Patratu – Ranchi (New) 400kV D/c line at Mander	400kV 2xD/c	-	
VI	Dumka (New)	400/220kV, 2x500MVA	-	
a)	Dumka (New) – Dhanbad (ISTS) 400kV D/c (Quad) line	400kV D/c (Quad)	-	
D	West Bengal			
(to be implemented by WBSETCL)				
I	Laxmikantpur GIS*	400/132kV, 2x315MVA	Land identified. In process of acquisition. Expected by Dec 2024	
a)	LILO of Haldia – Subhasgram 400kV D/c line at Laxmikantpur	400kV D/c	-	Expected by Dec 2024
II	Falakata	220/132kV, 2x160MVA	Initial civil works have been started	Mar 2024
a)	LILO of Birpara – Alipurduar 220kV D/c line at Falakata substation	220kV 2xD/c		Mar 2024
(to be implemented by CESC)				
III	Subhasgram (POWERGRID)	400/220kV, 1x500MVA (6 th ICT)		
	Installation of new 400/220kV, 500MVA (6 th) ICT at Subhasgram (POWERGRID) S/s along with associated ICT bays and OLTC by CESC at its own cost	400/220kV, 1x500MVA (6 th ICT)		

* **As per inputs from OPTCL:** Paradeep 765/400kV S/s shall be established at a different location from the already under-construction Paradeep 400/220kV S/s, accordingly, 400kV 2xD/c line shall be established between two substations.

The 400kV infeed to New Laxmikantpur 400/132kV S/s is under discussion in the item no 2. Based on the deliberations, the lines would be updated, if required.

Annexure-IV

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.	Angul (POWERGRID)	2 nos. 765kV lines bays for termination of Angul (POWERGRID) – Paradeep 765kV D/c line (including suitable switchable line reactors)		Survey is going on. Expected by 2025-26	1 st
2.	Rourkela (POWERGRID)	2 No. 220kV lines bays for termination of Rourkela (POWERGRID) – Tarkera 220kV D/c (HTLS) line		Would be taken up after reconductoring of 1 st D/c line.	1 st & 7 th
3.	Keonjhar (POWERGRID)	2 No. 220kV lines bays for termination of Keonjhar (POWERGRID) – Tikarpada 220kV D/c line	NIT yet to be taken up	Expected by 2024-25	1 st
4.	Maithon (POWERGRID)	2 No. 220kV lines bays for implementation of Maithon (POWERGRID) – Asansol 220kV D/c line	Line expected to be floated by Dec, 2022, bays by POWERGRID under deposit works	Expected by 2024-25.	7 th