



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)

Ref. No.: C/CTU/AI/00/26th CCTP

03rd Sept 2025

OFFICE MEMORANDUM

Sub: Inter-State Transmission Schemes (costing up to Rs.100 Cr.) to be taken up for implementation under Regulated Tariff Mechanism (RTM).

The undersigned is directed to inform that CTU has approved the implementation of the following ISTS costing less than or equal to Rs.100 Cr. in line with the MoP office order dated 28.10.2021 and MoP Gazette notification dated 23.06.2025 under the Regulated Tariff Mechanism (RTM) mode by the implementing agencies as indicated in the table below:

Sl. No.	Name of Transmission Scheme	Implementing Agency
Northern Region		
1.	Augmentation of Transformation capacity by 1x500MVA ,400/220kV ICT (4 th) at 400/220kV Sikar (PG) S/s in Rajasthan.	Power Grid Corporation of India Ltd.
North Eastern Region		
2.	North Eastern Region Expansion Scheme-XXX (NERES-XXX).	Power Grid Corporation of India Ltd.
Southern Region		
3.	Augmentation of Transformation capacity by 1x500 MVA, 400/220kV ICT (3 rd) at Narendra (existing) S/s in Karnataka.	Power Grid Corporation of India Ltd.
4.	Augmentation of Transformation capacity by 1x500 MVA, 400/230kV ICT (4 th) Kalivanthapattu S/s in Tamil Nadu.	Power Grid Corporation of India Ltd.
5.	Implementation of 1 No. of 220kV line bay at Tumkur (Pavagada) PS for providing Connectivity to M/s TEQ Green Power XX Pvt. Ltd.	Power Grid Corporation of India Ltd.
Western Region		
6.	Augmentation of Transformation capacity by 400/220 kV, 1x500 MVA ICT (3 rd) at Navi Mumbai (GIS) (PG) S/s in Maharashtra.	Power Grid Corporation of India Ltd.
7.	Augmentation of Transformation capacity by 400/220 kV, 1x500 MVA ICT (4 th) at Raipur (PG) S/s in Chhattisgarh.	Power Grid Corporation of India Ltd.

The detailed scope of works for the above transmission schemes is given at **Annexure-I**.

The above transmission schemes are awarded to the Implementing Agency for its implementation under RTM mode. The implementing agency shall enter into a concession agreement with CTU for the implementation of the above-mentioned transmission schemes through the Regulated Tariff Mechanism (RTM).

In line with 26th NCT MoM, para 4.4, if there is any cost variation beyond 10% of CTUIL's cost, TSP is requested to intimate the DPR cost along with break-up of cost estimate of the subject scheme with supporting documents to CTUIL within 30 days of the allocation of the project/scheme by CTUIL.

This issues with the approval of Competent Authority.



(Partha Sarathi Das)
Sr. General Manager

Encl: as stated.

To:

1. The Chairman & Managing Director Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon- 122 001	
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Copy to:

1. Shri B.S. Bairwa Chief Engineer (I/c) & Member Secretary (NCT) Central Electricity Authority Sewa Bhawan, R. K. Puram, New Delhi-110 066	2. Shri Om Kant Shukla Director (Transmission) Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110 001
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CC:

1. Director (Technical) Rajasthan Rajya Vidyut Prasaran Nigam Ltd. Vidyut Bhawan, Jaipur, Rajasthan-302005 dir.tech@rvpn.co.in	<i>For kind information, please.</i>
2. Managing Director Assam Electricity Grid Corporation Limited Bijulee Bhawan, Paltan Bazar Guwahati (Assam) – 781001	<i>With a request to take up implementation of scope of works under AEGCL, Assam in matching timeframe of North Eastern Region Expansion Scheme-XXX (NERES-XXX) as agreed in the 36th CMETS-NER.</i>
3. Director (Transmission) Karnataka State Power Transmission Corp. Ltd., Cauvery Bhawan Bangalore – 560 009 dt@kptcl.com ; ceepnc@kptcl.com	<i>For kind information, please.</i>
4. Director (Transmission) Tamil Nadu Transmission Corporation Ltd (TANTRANSCO) 6th Floor, Eastern Wing, 800 Anna Salai, Chennai – 600 002 dirtp_tantransco@tnebnet.org ; cetr@tnebnet.org	<i>For kind information, please.</i>
5. Director (Operation) Maharashtra State Electricity Transmission Co. Ltd., 4 th Floor, “Prakashganga”, Plot No.19, E- Block, Bandra- Kurla Complex, Bandra (East), Mumbai-400051	<i>For kind information, please</i>

6. Managing Director Chhattisgarh State Power Transmission Co. Ltd. Dangania, Raipur-492013	<i>For kind information, please</i>
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Northern Region**1. Augmentation of Transformation capacity by 1x500MVA, 400/220kV ICT (4th) at 400/220kV Sikar (PG) S/s in Rajasthan**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation timeframe	Implementation Agency
1	Augmentation of Transformation capacity by 400/220 kV, 1x500 MVA (4 th) ICT at 400/220kV Sikar (PG) S/s along with transformer bays.	<ul style="list-style-type: none">• 500 MVA, 400/220 kV ICT - 1 No.• 400 kV ICT bay – 1 No. Main Bay (termination in existing spare bay of half diameter)• 220 kV ICT bay – 1 No.• 245 kV, 2500 Sq.mm XLPE cable - 720m (approx.) along with associated cable termination.	21 months from the date of issuance of OM by CTUIL.	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 53.57 Crore	

North Eastern Region

2. North Eastern Region Expansion Scheme-XXX (NERES-XXX)

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / Line length (km) / Nos.	Implementation Timeframe	Implementation Agency
1.	Reconductoring of ISTS portion of Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-I 220 kV line owned by POWERGRID with HTLS conductor of ampacity 1050A (at nominal voltage level).	8.623	24 months from the date of issuance of OM by CTUIL.	Power Grid Corporation of India Ltd.
2.	Reconductoring of ISTS portion of Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-II 220 kV line owned by POWERGRID with HTLS conductor of ampacity 1050A (at nominal voltage level).	9.205		
3.	Reconductoring of Silchar (POWERGRID) – Srikona (AEGCL) 132 kV D/c line owned by POWERGRID with HTLS conductor of ampacity 900A (at nominal voltage level).	1.119		
4.	Reconductoring of Ranganadi (NEEPCO) – Ziro (POWERGRID) 132 kV S/c line owned by POWERGRID with HTLS conductor of ampacity 900A (at nominal voltage level).	44.52		
5.	Replacement of existing CT at Ziro (POWERGRID) end in Ranganadi (NEEPCO) – Ziro (POWERGRID) 132 kV S/c line with rating commensurate with ampacity (900A) of HTLS conductor.	3 Nos.		
Total Estimated Cost:			₹ 32.79 Cr.	

Southern Region

3. Augmentation of Transformation capacity by 1x500 MVA, 400/220kV ICT (3rd) at Narendra (existing) S/s in Karnataka

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.	Implementation Agency
1.	Augmentation of Transformation capacity by 1x500 MVA, 400/220 kV ICT (3 rd) at Narendra (existing) S/s.	<ul style="list-style-type: none">• 500 MVA, 400/220 kV ICT – 1 No.• 400 kV Bay – 1 No. Main Bay (Termination in existing spare bay of half diameter).• 220 kV Outdoor GIS bay – 1 No.• 220 kV, 1Ph. GIB (to connect outdoor GIS to AIS main bus) – 500m along with associated GIS to AIS bushings.• 245 kV, 2500 Sq.mm, Cu XLPE Cable (To connect LV side 400/220kV Transformer to 220kV Bay) –1200m (approx.) along with associated cable termination.	24 months from the date of issuance of OM by CTUIL	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 67.92 Crore	

4. Augmentation of Transformation capacity by 1x500 MVA, 400/230kV ICT (4th) at Kalivanthapattu S/s in Tamil Nadu

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe.	Implementation Agency
1.	Augmentation of Transformation capacity by 1x500 MVA, 400/230 kV ICT (4 th) at Kalivanthapattu S/s in Tamil Nadu.	<ul style="list-style-type: none"> • 500 MVA, 400/230 kV ICT – 1 No. • 400 kV ICT Bay -1 No. Main Bay (along with associated Tie Bay). • 230 kV ICT Bay- 1 No. • 245 kV, 2500 Sq.mm XLPE Cable (To connect LV side 400/230 kV Transformer to 230 kV Bay) – 1200m (approx.) along with associated cable termination • 230 kV line Bays – 2 Nos. 	21 months from the date of issuance of OM by CTUIL.	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 73.57 Crore	

5. Implementation of 1 no. of 220kV line bay at Tumkur (Pavagada) PS for providing Connectivity to M/s TEQ Green Power XX Pvt. Ltd.

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe	Implementation Agency
1.	Implementation of 1 no. of 220 kV line bay at Tumkur (Pavagada) PS for providing Connectivity to M/s TEQ Green Power XX Pvt. Ltd.	<ul style="list-style-type: none"> • 220 kV line bay – 1 No. 	15.03.2027.	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 6.36 Crore	

Western Region

6. Augmentation of Transformation capacity by 400/220 kV, 1x500 MVA (3rd) ICT at Navi Mumbai (GIS) (PG) S/s in Maharashtra

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe	Implementation Agency
1.	Augmentation of Transformation capacity at 400/220 kV Navi Mumbai (GIS) (PG) S/s by 400/220 kV 1x500MVA ICT (3 rd) along with associated bays at both ends.	<ul style="list-style-type: none">• 500MVA, 400/220 kV ICT – 1 No.• 400 kV ICT bay (GIS) – 1 No. (Double main scheme)• 220 kV ICT bay (GIS) – 1 No.• 245 kV, 2500 Sq.mm XLPE Cable - 300m (approx.) along with associated cable termination.• 400 kV GIS Bus Duct - 150m (approx.) along with associated GIS to AIS bushings.	24 months from the date of issuance of OM by CTUIL.	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 63.75 Cr.	

7. Augmentation of Transformation capacity by 400/220 kV, 1x500 MVA (4th) ICT at Raipur (PG) S/s in Chhattisgarh

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe	Implementation Agency
1.	Augmentation of Transformation capacity at 400/220kV Raipur (PG) S/s by 400/220kV 1x500MVA ICT (4 th) along with associated bays at both ends.	<ul style="list-style-type: none">• 500 MVA, 400/220 kV ICT-1 No.• 400 kV ICT bay –1 No. Main Bay (termination in existing spare bay of half diameter)• 220 kV ICT bay –1 No.• 245 kV, 2500 Sq.mm XLPE Cable - 4x750m (approx.) along with associated cable termination.	21 months from the date of issuance of OM by CTUIL.	Power Grid Corporation of India Ltd.
Total Estimated Cost:			₹ 63.40 Cr.	