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/00/30th CCTP

Date: 19th June 2026

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.	Implementation of 2 nos. 220kV line bays (GIS) at 400/220kV Nallagarh (PG) S/s for the termination of 220kV D/c line from 220/132kV Kunihar S/s to Nallagarh S/s	Power Grid Corporation of India Ltd.
2.	Augmentation of Transformation capacity by 1x500MVA ,400/220kV ICT (4th) at 400/220kV Sohawal (PG) S/s	Power Grid Corporation of India Ltd.
3.	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line & 400kV Jhatikara-Bamnoli line	Power Grid Corporation of India Ltd.
Western Region		
1.	ISTS Works associated with upgradation of existing conductors by High performance conductors by MSETCL in Talegaon area and upgradation of bay equipment at Navi Mumbai S/s	
	Part A: Bay Upgradation Works at Talegaon	Power Grid Corporation of India Ltd.
	Part B: Reconductoring works of WTPL line portion emanating from Talegaon (PG) S/s	Western Transco Power Limited (a wholly owned subsidiary of Adani Energy Solutions Limited).
	Part C: Bay Upgradation Works at Navi Mumbai S/s	Power Grid Corporation of India Ltd.

Southern Region		
1.	Augmentation of transformation capacity by 1x500 MVA, 400/220 kV ICT (9th) at Davanagere PS	M/s POWERGRID Chitradurga Bellary REZ Transmission Limited (a 100% wholly owned subsidiary of Power Grid Corporation of India Limited).
2.	Implementation of 1 no. of 220kV Bus Sectionalizer at 220kV level of Koppal-II 765/400/220kV PS	POWERGRID Khavda II-C Transmission Limited (erstwhile POWERGRID Koppal Gadag Transmission Limited) {a 100% wholly owned subsidiary of Power Grid Corporation of India Limited}.
3.	Implementation of 2 no. of 220kV line bay at Tumkur (Pavagada) PS for termination of Tumkur (Pavagada) – Pavagada (KPTCL) 220kV D/c line of KPTCL	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 dated 06th January 2025, 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.

19/6/2025

(R V M M Rao)
Chief General Manager

Encl: as stated.

To:

1. The Chairman & Managing Director Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurugram - 122001	**2. Chairman** POWERGRID Chitradurga Bellary REZ Transmission Limited (a 100% wholly owned subsidiary of Power Grid Corporation of India Limited). Saudamini, Plot No. 2, Sector-29, Gurugram - 122001
3. Chairman POWERGRID Khavda II-C Transmission Limited (erstwhile POWERGRID Koppal Gadag Transmission Limited) {a 100% wholly owned subsidiary of Power Grid Corporation of India Limited}, Saudamini, Plot No. 2, Sector-29, Gurugram- 122001	**4. Project In-charge** Western Transco Power Limited (WTPL) (a wholly owned subsidiary of Adani Energy Solutions Limited), Adani Corporate House, Shantigram, S.G. Highway, Ahmedabad-382421, Gujarat

Copy to:

1. Chief Engineer PSPA-II & Member Secretary (NCT) Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delhi-110 066	**2.** Joint Secretary (Transmission) Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110 001
3. Director (P & C) HPPTCL, Head office, Himfed Bhawan, Panjari, Shimla-171005 Himachal Pradesh	**4.** Director (W&P) UP Power Transmission Company Ltd., Shakti Bhawan Extn, 3rd floor, 14, Ashok Marg, Lucknow-226 001
5. Director (Operations) Delhi Transco Ltd., Shakti Sadan, Kotla Road, New Delhi-110 002	

Annexure-I

Northern Region

1. Implementation of 2 nos. 220kV line bays (GIS) at 400/220kV Nallagarh (PG) S/s for the termination of 220kV D/c line from 220/132kV Kunihar S/s to Nallagarh S/s

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1	2 nos. of 220kV line bays (GIS) at 400/220kV Nallagarh (PG) S/s	• 220kV Line bay (GIS) – 2 Nos. • 220kV GIS bus duct (1-ph) -1000m (approx.) along with associated GIS to AIS bushings.	31.10.2028
		Total Estimated Cost:	**₹ 29.97 Cr. (at Jan'26 PL)**

2. Augmentation of Transformation capacity by 1x500MVA , 400/220kV ICT (4th) at 400/220kV Sohawal (PG) S/s

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1	Augmentation of 400/220 kV,1x500 MVA (4th) ICT at 400/220kV Sohawal (PG) S/s along with transformer bays (with 220kV side connection with EHV cable)	• 500 MVA, 400/220 kV ICT- 1 no. • 400kV ICT bay (AIS) - 1 no. • Associated 400 kV Tie bay-1 no. • 220 kV ICT bay (AIS) - 1 no. • 220 kV, 2500 sq.mm XLPE single core cable along with associated cable termination – about 2.4 km (4Rx1Cx600m).	30 months from the date of allocation of scheme.
		Total Estimated Cost:	**₹ 73.82 Cr. (at Jan'26 PL)**

3. **<u>Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line & 400kV Jhatikara-Bamnoli line</u>**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation timeframe
1	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line (17kM)	Dynamic Line Loading (DLL) systems for 400 kV transmission lines including sensors, weather forecasting integration, licensing fees, and AMC for 3 years with (i) minimum 4 (four) nos. of DLR sensors for 400kV Jhatikara-Mundka D/c line. (ii) minimum 3 (three) nos. of DLR sensors for 400kV Jhatikara-Bamnoli line.	08 months from the date of allocation of scheme.
2	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Bamnoli line (12kM)		
		Total Estimated Cost:	**₹ 9.59 Cr. (at Jan'26 PL)**

Western Region

1. ISTS Works associated with upgradation of existing conductors by High performance conductors by MSETCL in Talegaon area and upgradation of bay equipment at Navi Mumbai S/s

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation time frame (Months)
Part A: Bay Upgradation Works at Talegaon (PG) S/S			
1	Upgradation of Equipment (like CT, CVT, Isolator, Wave Trap) in 400kV DIAMETER 1-400kV Chakan Line -Tie- Kharghar Line (401-402-403) at Talegaon S/s (POWERGRID) from 2000A to 3150A and Jack Bus conductor from Twin Moose to Twin HTLS/Quad Moose commensurate with upgraded bay equipment ampacity	-	18 months from the date of allocation of scheme.
2	Upgradation of Equipment (like CT, CVT, Isolator, Wave Trap) in 400kV DIAMETER 5-400kV Lonikand Line -Tie- Bus Reactor Bay (413-414-415) at Talegaon S/s (POWERGRID) from 2000A to 3150A and Jack Bus conductor from Twin Moose to Twin HTLS/Quad Moose commensurate with upgraded bay equipment ampacity	-	
3	Upgradation of Equipment (like CT, CVT, Isolator, Wave Trap) in 400kV DIAMETER 3 (400 kV Talegaon GIS Line # 2- Tie - Talegaon GIS Line # 3) (407-408-409) from 2000A to 3150A and Jack Bus conductor from Twin Moose to Twin HTLS/Quad Moose commensurate with upgraded bay equipment ampacity	-	
Estimated Cost: ₹ 35.72 Cr.			
Part B: Reconductoring works of WTPL line portion emanating from Talegaon (PG) S/s			
1	Reconductoring of the balance line section of Pune (AIS) – Lonikand-I 400kV D/c line (one ckt via Chakan) (upto LILO point of LILO of Lonikand-Kalwa 400kV line at Pune (AIS)) of Western Transco Power Ltd. (a subsidiary of AESL)) with conductor having capacity of 2100MVA per ckt at nominal voltage (under ownership of WTPL)	Chakan section: 0.092km reconductoring Lonikand-I section: 1.317km reconductoring	18 months from the date of allocation of scheme.

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation time frame (Months)
2	Reconductoring of the remaining section of Talegaon (PG)-Kharghar (LILOed at Navi Mumbai (PG)) 400kV S/c line (from Pune (AIS) upto LILO point of LILO of Lonikand-Kharghar 400kV line at Talegaon (PG)) of Western Transco Power Ltd. (a subsidiary of AESL) with conductor having capacity of 2100MVA per ckt at nominal voltage (under ownership of WTPL)	Khargar section: 0.558 km. reconductoring	
Estimated Cost: ₹ 2.54 Cr.			
Part C: Bay Upgradation Works at Navi Mumbai S/s			
1	Replacement of the conductor of Jack Bus for 400 kV Padghe (PG) - Navi Mumbai Line bay (404 bay) and 400 kV Vikroli-Navi Mumbai Line Bay (403 bay) from Twin ACSR Moose to Quad ACSR Moose along with associated connectors at Powergrid Navi Mumbai substation.	-	06 months from the date of allocation of scheme. (refer note)
2	Replacement of wave trap in 400 kV Padghe (PG) -Navi Mumbai 404 Line bay at Navi Mumbai S/s from existing 2000 Amp rating to 3000A/3150 A current rating.	-	
Estimated Cost: ₹ 0.76 Cr.			
Total Estimated Cost: ₹ 39.02 Cr. (at Jan'26 PL)			

Note- In the 58th WRPC meeting held on 19.05.2026, POWERGRID informed that they may complete the works under Part C scheme in 06 months. Accordingly, looking into the urgent requirement of bay upgradation works at Navi Mumbai considering the high demand in MMR area, the implementation timeframe of Part-C scheme to be kept as 06 months from allocation to implementing agency.

Southern Region

1. **Augmentation of transformation capacity by 1x500 MVA, 400/220 kV ICT (9th) at Davanagere PS**

Sl. No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1	Augmentation of transformation capacity by 1x500 MVA, 400/220kV ICT (9th) at Davanagere 765/400/220kV PS	• 1x500 MVA, 400/220kV ICT • 400kV ICT bay – 1 No. (in existing half diameter) • 220kV ICT bay – 1 No.	30 months from the date of allocation of scheme.
		Total Estimated Cost:	**₹ 58.3 Crore (at Jan'26 PL)**

2. **Implementation of 1 no. of 220kV Bus Sectionalizer at 220kV level of Koppal-II 765/400/220kV PS**

Sl.No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1	Implementation of 1 no. of 220kV Bus Sectionalizer at 220kV level of Koppal-II 765/400/220kV PS	• 220kV Bus Sectionalizer – 1 set. • 220 kV Bus Coupler (BC) bay – 1 no. • 220 kV Transfer Bus Coupler (TBC) bay – 1 no.	24 months from the date of allocation of scheme.
		Total Estimated Cost	**₹ 20.99 Crore (at Jan'26 PL)**

3. **Implementation of 2 no. of 220kV line bay at Tumkur (Pavagada) PS for termination of Tumkur (Pavagada) – Pavagada (KPTCL) 220kV D/c line of KPTCL.**

Sl.No.	Scope of the Transmission Scheme	Item Description	Implementation Timeframe
1	2 nos. of 220kV line bays at Tumkur (Pavagada) PS for termination of Tumkur (Pavagada) - Pavagada (KPTCL) 220kV D/c line of KPTCL.	• 220kV line bay – 02 nos.	24 months (18 months with best effort basis).
		Total Estimated Cost	**₹ 14.18 Crore (at Jan'26 PL)**