



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

सेवा में / To

Chief Operating Officer, CTUIL  
 Floors Nos. 5-10, Tower 1, Plot Nos. 16,  
 IRCON International Tower, Institutional Area,  
 Sector 32, Gurugram, Haryana – 122001

**विषय: एनसीटी द्वारा 16.09.2025 को आयोजित 33 वीं बैठक में अनुमोदित आईएसटीएस ट्रांसमिशन/संचार योजनाओं का कार्यान्वयन- के बारे में**

**Subject: Implementation of ISTS Transmission/Communication Schemes approved by NCT in 33<sup>rd</sup> meeting held on 16.09.2025- regarding**

महोदय/Sir,

The undersigned is directed to inform that NCT has approved implementation of the following ISTS Transmission and Communication Schemes in its 33<sup>rd</sup> meeting held on 16.09.2025, to be implemented through Regulated Tariff Mechanism (RTM) route by agency as indicated below:

**I. ISTS Transmission schemes, costing less than Rs 500 Crore, approved by NCT under RTM route is given below:**

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Estimated Cost (₹ Cr)
1.	Shifting of 2 Nos. of 63 MVAR line reactors at Madhugiri S/s to vacant 400 kV bays (space) to use as bus reactors	RTM through POWERGRID	24 months from the date of allocation	28
2.	Scheme to resolve High loading on Lara-I – Raigarh (Kotra) 400 kV D/c line	RTM through POWERGRID	18 months from award to implementing agency (15 months on best effort basis)	100.23



The broad scope of above schemes are given below

Sl. No.	Name of Scheme & Tentative implementation timeframe	Broad Scope
1.	Shifting of 2 Nos. of 63 MVAR line reactors at Madhugiri S/s to vacant 400 kV bays (space) to use as bus reactors  <b>Implementation timeframe:</b> 24 months from the date of allocation	<ul style="list-style-type: none"> <li>Shifting of 63 MVAR line reactors [ 2 nos.] to vacant 400 kV bays [space] [at Madhugiri S/s]</li> <li>400 kV bays – 2 Nos. [at Madhugiri S/s for utilisation of 2 nos. of 63 MVAR line reactors as bus reactors]</li> </ul>
2.	Scheme to resolve High loading on Lara-I – Raigarh (Kotra) 400 kV D/c line  <b>Implementation Timeframe:</b> 18 months from award to implementing agency (15 months on best effort basis)	i) Reconductoring of existing Lara-I – Raigarh (Kotra) 400kV D/c line with twin HTLS conductor with minimum capacity of 2100MVA per ckt at nominal voltage. ii) Wave trap upgradation for 2 nos. 400kV bays at Raigarh (Kotra) end of Lara-I – Raigarh (Kotra) 400kV D/c line from 2000A to 3150A  <b>(Detailed scope as approved by 32<sup>nd</sup> NCT and subsequent amendments thereof)</b>

## II. ISTS Communication schemes, approved by NCT under RTM route is given below:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Estimated Cost (₹ Cr)
1.	Redundant communication for Narora Atomic Power Plant (NPCIL) (NAPP)	RTM through POWERGRID	24 months from the date of allocation	6.45
2.	Redundant communication for Saharanpur S/s (PG)	RTM through POWERGRID	12 months from the date of allocation	2.1
3.	Redundant communication for Manesar S/s	RTM through POWERGRID	24 months from the date of allocation	2.1
4.	Communication requirement incidental to upcoming CN'Halli ISTS S/s	RTM through POWERGRID	24 months from the date of allocation and matching time frame with transmission scheme "Transmission System for	2.5



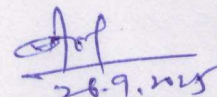
			Integration of Ananthapuram-II REZ - Phase-II (3 GW)"	
5.	Replacement of 15 no. of FOTE at critical ISTS location in Southern Region	RTM through POWERGRID	18 months from the date of allocation	10.21

The above schemes are awarded to CTUIL for implementation under RTM mode. CTUIL is requested to take necessary action for entering into a concession agreement with the respective agency for implementation of the above schemes.

CTU is requested to intimate the implementing Agency. Detailed scope of the schemes are as per minutes of the meeting. Copy of the minutes are enclosed.

Encl.: As above.

भवदीय / Yours faithfully,



(बी.एस. बैरवा/ B.S. Bairwa)

मुख्य अभियन्ता एवं सदस्य सचिव, एन.सी.टी./  
Chief Engineer & Member Secretary (NCT)

Copy to:

Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi-110001