



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,
 IIRCON International Tower, Institutional Area,
 Sector 32, Gurugram, Haryana – 122001

विषय: एनसीटी द्वारा 40 वीं बैठक में अनुमोदित आईएसटीएस ट्रांसमिशन/संचार योजनाओं का कार्यान्वयन के बारे में ।

Subject: Implementation of ISTS Transmission/Communication Schemes approved by NCT in its 40th meeting – regarding

महोदय/Sir,

The undersigned is directed to inform that NCT has approved implementation of the following ISTS Transmission and Communication Schemes in its 40th meeting held on 15.04.2025, to be implemented through Regulated Tariff Mechanism (RTM) route by agency as indicated below:

I. Modifications in the earlier approved/recommended communication schemes:

In the 38th meeting of NCT, Scheme for Installation of OPGW & associated communication systems on the existing ISTS lines in WR Region with estimated cost of Rs. 405.852 Crs. was approved. In the 40th meeting, NCT has approved following modifications in the scheme:

A. Scope of Works: Supply and installation of OPGW (48F) along with required accessories, approach cables, required Fiber Optic Terminal Equipment (FOTE), required repeater stations, required NMS and amplifiers/optical interfaces etc. for commissioning of optical fibre links on ISTS lines which are as follows:

		Length approved in 38th meeting	Revised length			
Sl.No.	Owner of the Line	48F OPGW (Length in Km)	48F OPGW (Length in Km)	STM-16 FOTE (Nos.)	STM-64 FOTE (Nos.)	Repeater Station
For Scope A.7	JTCL/ Indigrid*	514.75	614.75	4	0	2

B. Details of the scheme

			Cost approved in 38th meeting	Revised Cost	
Scope	Implementing Agency	Implementation Mode	Cost Estimate (Approx.) in Crs	Cost Estimate (Approx.) in Crs	Implementation Timeline
For Scope A.7	JTCL/ Indigrid*	RTM	31.829	37.329	30 months from the date of allocation.
Total Cost of the scheme as approved in 38 th meeting of NCT			Rs 405.852 Crs. (Rupees Four hundred five crores eighty-five lakhs and twenty thousand only) (approx.) [total OPGW length 6676.1 Kms (approx.)]		
Modified Total cost of the scheme (approved in 40th meeting of NCT)			Rs. 411.352 Crs. (Rupees Four hundred eleven crores thirty-five lakhs and twenty thousand only) (approx.) [total OPGW length 6776.1 Kms (approx.)]		

*JTCL: Jabalpur Transmission Company Ltd.

Note: scope in all other lines and substations in the scheme shall remain same as approved in 38th meeting.

II. Grid Automation scheme, approved by NCT

Following grid automation scheme was approved by the NCT in 40th meeting under RTM mode:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Estimated Cost (₹ Cr)
1.	Supply & Installation of AMR Compatible ISTS Interface Energy Meters along with AMR (Automatic Meter Reading) System under the scheme "5 min Interface Energy Meter along with AMR system"-For all five regions as PAN India level	RTM through POWERGRID	18 months from the date of allocation	Rs.324.31 crore (approx., Project Cost Rs. 212.81 Cr. & its AMC Cost Rs 111.5 Cr. for 7(1+6) yr AMC).

The broad scope of above schemes is given below:

Sl. No.	Name of Scheme & Tentative implementation timeframe	Broad Scope
1.	Supply & Installation of AMR Compatible ISTS Interface Energy Meters along with AMR (Automatic Meter Reading) System under the scheme “5 min Interface Energy Meter along with AMR system”-For all five regions as PAN India level Implementation Timeframe: 18 months from the date of allocation	Technical Specification for AMR & IEM and including followings: • Supply & Installation (Incl Replacement of existing IEMs) of AMR compatible 5 min provisioned Interface Energy Meters (configured for 15min Time Block/ as per prevailing regulations or its amendments thereof) for all ISTS interface points across Pan India. • Supply and installation of AMR systems in dual LAN configuration at all central locations (excluding certain AMR systems for Eastern Region) along with required systems and accessories including DCU at various stations. • AMR Consoles and associated system at CTU for Pan India installed IEMs Database from all Regional AMR. AI enabled system for analysis of meter performance, inventory, fault analysis etc. • Streaming online instantaneous MW data at a user configurable rate (minimum 1 min) via AMR system for viewing purposes. • AMC includes Operations & Maintenance work (including data processing & report generation from AMR, including updating for IEMs installation in the CTU Urja meter portal) for complete AMR system for 7 (1+6) years. – by Implementing Agency. • Online Data storage of Raw Data & processed data for three years and as applicable in line with prevailing applicable regulation. • Ensuring Integration with MDP in coordination with Grid-India in matching timeline. Ensuring integration with necessary H/w & S/w Supply for the existing installed meters/ IEMs with the proposed AMR system Note: i. MDP system which is also part of the above TS mentioned shall be implemented by respective RLDC and would match the timeline schedule with IEM & AMR project.

		<i>Quantity (IEMs Meter/ AMR Systems) is subjected to change during engineering based on Stakeholders' requirements.</i> (Detailed scope as approved by NCT in 40th meeting and subsequent amendments thereof)
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The above schemes are awarded to CTUIL for implementation under RTM mode. CTUIL is requested to take necessary action with the respective agency for implementation of the above schemes.

Detailed scope of the schemes are as per minutes of the meeting. Copy of the minutes are enclosed.

Encl.: As above.

भवदीय / Yours faithfully,

Digitally signed by
Bhagwan Sahay Bairwa

Date: 01-05-2026

10:31:18

(बी.एस. बैरवा/ B.S. Bairwa)

मुख्य अभियन्ता एवं सदस्य सचिव, एन.सी.टी./

Chief Engineer & Member Secretary (NCT)

Copy to:

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