



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 07.07.2026 को आयोजित बयालीसवी बैठक में अनुमोदित आईएसटीएस ट्रांसमिशन/संचार योजनाओं का कार्यान्वयन- के बारे में

Subject: Implementation of ISTS Transmission/Communication Schemes approved by NCT in 42nd meeting held on 07.07.2026- regarding

महोदय/Sir,

The undersigned is directed to inform that NCT has approved implementation of the following ISTS Transmission and Communication Schemes in its 42nd meeting held on 07.07.2026, to be implemented through Regulated Tariff Mechanism (RTM) route by agency as indicated below:

1. Modification in earlier approved transmission scheme

- Following modification was approved by the NCT in its 42nd meeting under RTM mode:

S.No.	Scheme recommended in 41 st NCT	Approved modification in implementation timeframe in 42 nd NCT
1	Transmission scheme for evacuation of power as part of Rajasthan REZ Ph-IV (Part-6: 6GW) (Bikaner Complex) (Bikaner V: 6GW)-Part E Implementation timeframe: 36 months	Transmission scheme for evacuation of power as part of Rajasthan REZ Ph-IV (Part-6: 6GW) (Bikaner Complex) (Bikaner V: 6GW)-Part E Implementation timeframe: 36 months (matching with Transmission scheme for evacuation of power as part of Rajasthan REZ Ph-IV (Part-6: 6GW) (Bikaner Complex) (Bikaner V: 6GW) - Part B scheme).

- Further, it was also noted that respective STUs (UPPTCL for Gonda and Noida Sec-148 S/s, RVPN for Hanumangarh S/s) and ISTS license of Nawada S/s shall provide unconditional access to the ISTS licensee free of any cost for termination of ISTS lines as part of Bikaner V transmission scheme.

2. New transmission schemes

- Following new transmission scheme was approved by the NCT in its 42nd meeting under RTM mode:

Sl. No.	Name of the scheme and tentative implementation timeframe	Implementation Mode	Estimated Cost (₹ Crore)	Implementation timeframe
1.	ERES-51: Diameter completion at Sasaram (POWERGRID) S/s	Under RTM through POWERGRID	Rs. 345.25 crore	30 months from the date of allocation

- The broad scope of above schemes is given below:

Sl. No.	Name of Scheme & Tentative implementation timeframe	Broad Scope
1.	ERES-51: Diameter completion at Sasaram (POWERGRID) S/s Implementation timeframe- 30 months from the date of allocation	- Shifting works at Sasaram (POWERGRID) S/s - Upgradation of 400kV Bay equipment at Sasaram (POWERGRID) S/s - Dismantling of AIS equipment & associated interconnection arrangement of Bay no. 703 of the 765kV, 1x330MVAr Bus Reactor at Sasaram (POWERGRID) S/s 765kV Bus extension works at Sasaram (POWERGRID) S/s - Dismantling and re-erection of existing 3 nos. of 765kV Bus CVTs on Main Bus-I at Sasaram (POWERGRID) S/s. (Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)

3. Communication Scheme

- Following communication schemes were approved by the NCT in its 42nd meeting under RTM mode:

Sl. No.	Name of the scheme and tentative implementation timeframe	Implementation Mode	Estimated Cost (₹ Crore)	Implementation timeframe
1.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part A	Under RTM through POWERGRID	342.26	36 months from the date of allocation (Considering hilly terrain)

II	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part B	Under RTM through PKTCL	3.65	36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)
III	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part C	Under RTM through NRSS XXXI (B) Transmission Ltd	8.19	36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)
IV	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part D	Under RTM through POWERLINK	47.09	36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)
V	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part E	Under RTM through BBMB	33.55	36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)

- The broad scope of above schemes is given below:

Sl. No.	Name of Scheme & Tentative implementation timeframe	Broad Scope
1.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part A Implementation timeframe: 36 months from the date of allocation (Considering hilly terrain)	➤ Supply & installation of OPGW (48F) along with Hardware Fittings, Joint Box etc on transmission lines - Total OPGW (Km): 5392.33 ➤ Supply & installation of FOTE (STM-16/64 with minimum 5 MSP) (including associated system e.g. Repeaters and its shelter, FODP, NMS, Amplifiers, Approach cable, Power supply etc.) - Total FOTE (No.): 68 ➤ All the equipment under this scheme to be integrated with UNMS.

		(Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)
2.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part B Implementation timeframe: 36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)	➤ Supply & installation of OPGW (48F) on 400kV Nalagarh-Banala-I transmission line along with Hardware Fittings, Joint Box etc. Total OPGW to be installed = 66.38 Km (PKTCL ownership)- Total Line Length: 112.78 Km. (Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)
3.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part C Implementation timeframe: 36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)	➤ Supply & installation of OPGW (48F) on 400kV Malerkotla – Amritsar transmission line along with Hardware Fittings, Joint Box etc. -Total OPGW = 149 Km (Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)
4.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part D Implementation timeframe: 36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)	➤ Supply & installation of OPGW (48F) on the transmission line along with Hardware Fittings, Joint Box etc. Total OPGW = 856.3 Km (Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)
5.	Comprehensive Scheme for OPGW installation on the existing lines of ISTS in Northern Region- Part E Implementation timeframe: 36 months from the date of allocation (Matching with Part-A, which includes FOTE for the entire NR scheme)	➤ Supply & installation of OPGW (48F) along with Hardware Fittings, Joint Box etc. on transmission lines .Total OPGW (Km): 576.19 ➤ Supply & installation of FOTE (STM-16 with minimum 5 MSP) (including associated system e.g. Repeaters and its shelter, FODP, Amplifiers, Approach cable, Power supply etc. Total FOTE (No.): 3 ➤ All the equipment under this scheme to be integrated with UNMS. (Detailed scope as approved by NCT in 42nd meeting and subsequent amendments thereof)

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. CTUIL is requested to intimate the implementing Agency.

भवदीय / Yours faithfully,

Digitally signed by
Bhagwan Sahay Bairwa
Date: 21-07-2026
15:25:00

(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