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.: CTUIL/OM/20/26th NCT

30th January 2025

As per distribution list

Sub: Implementation of ISTS Transmission Schemes approved by NCT in its 26th meeting held on 06th January 2025 under Regulated Tariff Mechanism (RTM).

NCT vide letter dated 30.01.2025 has awarded following ISTS Transmission scheme for its implementation under RTM mode by the respective implementing agency as indicated in the table below:

Sl. No.	Transmission Schemes	Implementing Agency
I. ISTS Communication schemes approved by NCT		
1.	Redundant Communication for Salal (NHPC) station	POWERGRID
2.	Redundant Communication for Tuticorin GIS (PG) Substation	POWERGRID
3.	Establishment of Communication for New SRLDC Building (at CPRI Campus)	POWERGRID
4.	Upgradation of existing STM-4 equipment to STM-16 equipment due to bandwidth congestion	POWERGRID
5.	OPGW replacement on 132kV Kahilipara - Umiam Stg. III -Umiam Stg. I – NEHU link & OPGW laying on 132kV Sarusujai to Umtru line and UGFO laying from NERLDC Guwahati to Gantry of Kahilipara S/s for back up NERLDC connectivity	POWERGRID
6.	Establishment of redundant fibre path between NERLDC, Shillong, Khliehriat and NEHU by OPGW replacement on 132kV NEHU-Khliehriat ckt-1 line and laying of UFGO Cable from Tower 25 of 132kV NEHU-Mawlyndep line to NERLDC, Shillong.	POWERGRID

NCT also approved the modification in the earlier approved/notified transmission schemes as follows:

1. **NCT approved revised implementation schedule of ISTS Communication System Schemes as under:**

Sl. No.	NCT approved /OM date	List of Links	Length of Line (KM)	Implementation Schedule/ Implementation date (as per OM)	Revised schedule
1.	9th NCT/OM dtd 15/11/22	400 kV Vapi - Kakrapar	116	Matching time frame of	10.01.25 POWERGRID

Sl. No.	NCT approved /OM date	List of Links	Length of Line (KM)	Implementation Schedule/ Implementation date (as per OM)	Revised schedule
				upcoming LILO of these lines	told that scheme is covered in running packages.
2.		400 kV Bachau-EPGL	221		21.11.2026
3.		400 kV Satna-Bina	276		21.11.2026
4.		765 kV Jaipur-Gwalior	312		21.11.2026
5.		400 kV Agra-Jaipur South	254		21.11.2026
6.	11th NCT/OM dtd 16/02/23	400 kV Jallandhar (PG)-Kurukshetra (PG)	229	24 months/ 16.02.2025	10.01.2027
7.		400 kV Agra- Ballabhgarh	181	18 months/ 16.08.2024	21.05.2026
8.		400 kV Kishenpur-Wagoora	183	18 months /16.08.2024	21.11.2026 (18 months from Award + 6 months for hilly terrain)
9.		Redundant communication System for Bhinmal (PG) and Kankroli	5	18 months/ 16.08.2024	21.05.2026
10.	22nd NCT/OM dtd 02/09/24	Scheme for 48Fiber UGFO connectivity to New NLDC Building, New Delhi	35	12 months/ 02.09.2025	18 months/ 02.03.2026

2. Transmission scheme for evacuation of power from Ratle HEP (850 MW) & Kiru (624 MW) HEP: Part B

NCT noted the segregated cost for the subject mentioned scheme as below:

Sl. No.	Description of Transmission Element	Scope of work (Type of Substation/Conductor capacity/km/no. of bays etc.)	Cost (Rs. in Crores)
1.	Reconductoring of 400 kV Kishenpur-Kishtwar section (up to LILO point) with Twin HTLS (minimum 2100 MVA capacity) (formed after LILO of Kishenpur-Dulhasti line at Kishtwar S/s) along with bay upgradation works (2000 A	Length – 120 kM 400 kV Bay upgradation work - 1 no. bay at Kishenpur end.	151.74

Sl. No.	Description of Transmission Element	Scope of work (Type of Substation/Conductor capacity/km/no. of bays etc.)	Cost (Rs. in Crores)
	to 3150 A) at Kishenpur end for above line.		
2.	Bypassing both ckts. of 400 kV Kishenpur – Samba D/c line (Twin) & 400 kV Samba – Jalandhar D/c line (Twin) at Samba and connecting them together to form **400 kV Kishenpur–Jalandhar D/c direct line (Twin)** (4 Nos. of vacated 400 kV line bays at Samba S/s will be utilized for 400kV Kishenpur-Samba D/c line (Quad) & 400kV Samba- Jalandhar D/c line (Quad))	Length -0.5 km (Twin)	43.93
3.	Bays upgradation works (2000A to 3150A) at Samba end (4 Nos. bays vacated after bypassing of Kishenpur – Samba D/c line (Twin) & 400 kV Samba – Jalandhar D/c line (Twin))	400kV Bay upgradation works - 4 Nos. bays	
4.	Redundant Communication System for Dulhasti (NHPC) & Kishtwar (Sterlite) stations by installing OPGW on 400kV Kishenpur - Kishtwar S/c line alongwith reconductoring work and FOTE at Dulhasti & Kishenpur.	Length – 120 km	

Copy of NCT letter dated 30.01.2025 is enclosed. The detailed scope of work along with implementation time frame for the above ISTS Communication and Transmission Schemes shall be as per the enclosed NCT letter and Minutes of the 26th meeting of NCT.

The implementing agency shall enter into a concession agreement with CTUIL for implementation of the aforementioned Transmission Schemes. However, pending finalization of Concession Agreement, it is requested to initiate necessary actions for implementation of the aforementioned Transmission Schemes.

This is for your kind information and necessary action, please.

Thanking you.

Yours faithfully,

4/2/2025

(Partha Sarathi Das)
Sr. General Manager

Encl.: as stated.

Distribution List:

1. **The Chairman & Managing Director**
   Power Grid Corporation of India Ltd.,
   Saudamini, Plot No. 2, Sector-29,
   Gurgaon- 122 001
   cmd@powergrid.in

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
Saudamini, Plot No. 2,
Sector-29, Gurgaon-122001

विषय: एनसीटी द्वारा 06.01.2025 को आयोजित अपनी 26 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 26th meeting held on 06.01.2025- regarding

महोदय/Sir,

The undersigned is directed to inform that NCT has approved implementation/modification of the following ISTS Transmission and Communication Schemes in its 26th meeting held on 06.01.2025, in line with MoP office order dated 28.10.2021 and MoP Guidelines dated 09th March, 2022, to be implemented through Regulated Tariff Mechanism (RTM) route by agency as indicated below:

I. Modification in the earlier approved/notified transmission schemes:

1. Transmission scheme for evacuation of power from Ratle HEP (850 MW) & Kiru (624 MW) HEP: Part B

NCT noted the segregated cost for the subject mentioned scheme as below:

Sl. No.	Description of Transmission Element	Scope of work (Type of Substation/Conductor capacity/km/no. of bays etc.)	Cost (Rs. in Crores)
1	Reconductoring of 400 kV Kishenpur-Kishtwar section (up to LILO point) with Twin HTLS (minimum 2100 MVA capacity) (formed after LILO of Kishenpur-Dulhasti line at Kishtwar S/s) along with bay upgradation works (2000 A to 3150 A) at Kishenpur end for above line.	Length – 120 km 400 kV Bay upgradation work - 1 no. bay at Kishenpur end.	151.74
2	Bypassing both ckts. of 400 kV Kishenpur – Samba D/c line (Twin) &	Length -0.5 km (Twin)	

Sl. No.	Description of Transmission Element	Scope of work (Type of Substation/Conductor capacity/km/no. of bays etc.)	Cost (Rs. in Crores)
	400 kV Samba – Jalandhar D/c line (Twin) at Samba and connecting them together to form **400 kV Kishenpur–Jalandhar D/c direct line (Twin)** (4 Nos. of vacated 400 kV line bays at Samba S/s will be utilized for 400 kV Kishenpur-Samba D/c line (Quad) & 400 kV Samba- Jalandhar D/c line (Quad))		
3	Bays upgradation works (2000A to 3150A) at Samba end (4 Nos. bays vacated after bypassing of Kishenpur – Samba D/c line (Twin) & 400 kV Samba – Jalandhar D/c line (Twin))	400 kV Bay upgradation works - 4 Nos. bays	43.93
4	Redundant Communication System for Dulhasti (NHPC) & Kishtwar (Sterlite) stations by installing OPGW on 400 kV Kishenpur-Kishtwar S/c line alongwith reconductoring work and FOTE at Dulhasti & Kishenpur.	Length – 120 km	

2. Revision in Implementation Schedule for Communication schemes approved in 9th, 11th and 22nd NCT meeting

NCT approved revised implementation schedule of ISTS Communication System Schemes as under:

Sl. No.	NCT approved /OM date	List of Links	Length of Line (KM)	Implementation Schedule/ Implementation date (as per OM)	Revised schedule
1.	9th NCT/OM dtd 15/11/22	400 kV Vapi - Kakrapar	116	Matching time frame of upcoming LILO of these lines	10.01.25 POWERGRID told that scheme is covered in running packages.
2.		400 kV Bachau-EPGL	221		21.11.2026
3.		400 kV Satna-Bina	276		21.11.2026
4.		765 kV Jaipur-Gwalior	312		21.11.2026
5.		400 kV Agra-Jaipur South	254		21.11.2026
6.	11th NCT/OM dtd 16/02/23	400 kV Jallandhar (PG)-Kurukshetra (PG)	229	24months/ 16.02.2025	10.01.2027
7.		400 kV Agra-	181	18 months/	21.05.2026

Sl. No.	NCT approved /OM date	List of Links	Length of Line (KM)	Implementation Schedule/ Implementation date (as per OM)	Revised schedule
		Ballabhgarh		16.08.2024	
8.		400 kV Kishenpur-Wagoora	183	18 months /16.08.2024	21.11.2026 (18 months from Award + 6 months for hilly terrain)
9.		Redundant communication System for Bhinmal (PG) and Kankroli	5	18 months/ 16.08.2024	21.05.2026
10.	22nd NCT/OM dtd 02/09/24	Scheme for 48Fiber UGFO connectivity to New NLDC Building, New Delhi	35	12 months/ 02.09.2025	18 months/02.03.2026

II. Communication schemes approved by NCT:

Sl. No.	Name of Transmission Scheme	Implementation Mode	Implementation timeframe	Estimated Cost (₹ Cr)
1	Redundant Communication for Salal (NHPC) station	RTM through POWERGRID	18 months from the date of allocation	3.41
2	Redundant Communication for Tuticorin GIS (PG) Substation	RTM through POWERGRID	18 months from date of allocation	1.38
3	Establishment of Communication for New SRLDC Building (at CPRI Campus)	RTM through POWERGRID	24 months from date of allocation	11.84
4	Upgradation of existing STM-4 equipment to STM-16 equipment due to bandwidth congestion	RTM through POWERGRID	12 months from date of allocation	1.50
5	OPGW replacement on 132 kV Kahilipara - Umiam Stg. III -Umiam Stg. I – NEHU link & OPGW laying on 132kV Sarusujai to Umtru line and UGFO laying from NERLDC Guwahati to Gantry of Kahilipara S/s for back up NERLDC connectivity	RTM through POWERGRID	24 months from date of allocation	15.84
6	Establishment of redundant fibre path between NERLDC, Shillong, Khelieriat and	RTM through POWERGRID	18 months from date of allocation	9.73

	NEHU by OPGW replacement on 132kV NEHU-Khliehriat ckt-1 line and laying of UGFO cable from Tower 25 of 132 kV NEHU – Mawlyndep line to NERLDC, Shillong			

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,

30.1.2025

(बी.एस.बैरवा/ B.S.Bairwa)

मुख्य अभियन्ता (इंचार्ज) एवं सदस्य सचिव,एन.सी.टी./

Chief Engineer (I/C) & Member Secretary (NCT)

Copy to:

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