



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/15/20th NCT

15th July 2024

As per distribution list

Sub: Implementation of ISTS Transmission/Communication Schemes approved by NCT in its 20th meeting held on 25th June 2024 under Regulated Tariff Mechanism (RTM).

NCT vide letter dated 13.07.2024 has awarded various ISTS Transmission/Communication schemes for its implementation under RTM mode by the respective implementing agencies as indicated in the table below:

Sl. No.	Transmission Schemes	Implementing Agency
I. ISTS Transmission schemes approved by NCT		
1.	Transmission scheme for evacuation of power from Ratle HEP (850 MW) & Kiru HEP (624 MW): Part B	POWERGRID
II. Communication schemes approved by NCT		
1.	A: Supply and installation of 24 Fibre OPGW on PKTCL lines for providing redundant communication for Parbati Pooling (Banala) (PG) S/s, Parbati-II (NHPC) & Parbati-III (NHPC) stations.	PKTCL
	B: Supply and installation of 24 Fibre OPGW & FOTE to providing redundant communication for Parbati Pooling (Banala) (PG) S/s, Parbati-II (NHPC) & Parbati-III (NHPC) stations.	POWERGRID
2.	Redundant Communication for Chamera-III (NHPC) & Budhil (GreenCo) using 3 pairs of fibers sharing from HPPTCL network	POWERGRID
3.	Additional FOTE requirements at AGC locations in Western Region	POWERGRID
4.	Redundant OPGW communication path for Solapur STPP under AGC	POWERGRID
5.	Redundant OPGW communication path for 500 MW plant of NSPCL, Chhattisgarh.	POWERGRID

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

1. "Augmentation with 400/220 kV, 1x500 MVA Transformer (10th) at Fatehgarh-II PS"

Sl. No.	Earlier Scope (as per MoP OM dated 01.12.21)	Revised Scope	Implementing Agency
1.	Augmentation with 400/220 kV, 1x500 MVA Transformer (10 th) at Fatehgarh-II PS	Augmentation with 400/220 kV, 1x500 MVA Transformer (11 th) at Fatehgarh-II PS (5 th ICT in Fatehgarh-II section-II)	POWERGRID

Sl. No.	Earlier Scope (as per MoP OM dated 01.12.21)	Revised Scope	Implementing Agency
	<ul style="list-style-type: none"> • 400/220 kV 500 MVA ICT:1 No. • 400 kV ICT bay – 1 No. • 220 kV ICT bay - 1 No. <p>Implementation Timeframe- 15 months from MOP OM or evacuation requirement beyond 4490 MW at 220 kV level of Fatehgarh-2, whichever is later.</p>	<ul style="list-style-type: none"> • 400/220 kV 500 MVA ICT:1 No • 400 kV ICT bay – 1 No. • 220 kV ICT bay -.1 No. <p>Implementation Timeframe- 18 months [for N-1 compliance in Fatehgarh-II PS (Section-II)]</p>	

2. Modification in design / layout of Kurnool-III PS due to receipt of large quantum of Connectivity applications at 400 kV level:

Sl. No.	Bay Type	Present Scope	Revised Present Scope	Future Scope	Revised Future Scope
765 kV Switchyard: No change					
400 kV Switchyard					
1	Line with Reactor	0	0	10	22
2	Tie	9	10	11	12
3	400/220 kV Transformer Bay	9	9 (2 shifted to new section)	11	5
4	765/400 kV Transformer Bay	3	3	4	4
5	Bus Sectionaliser	0	0	1 set	2 set
6	Bus Reactor	1	1	-	Any Line with reactor bay may be used as Bus reactor bay
220 kV Switchyard					
1	Line	15	15 (5 Nos. Shifted to new section)	11	5
2	400/220 kV Transformer Bay	9	9 (2 shifted to new section)	11	5
3	Bus Coupler	3	3	3	1
4	Transfer Bus coupler	3	3	3	1
5	Bus section	2 set	2 set	3 set	0

Additional works due to rearrangement / revised scope

Sl. No.	Items
1	Land development for additional area for 400 & 220 kV Switchyard
2	400 kV Bus works for 8 Nos. additional diameters
3	Earth mat for additional area for 400 & 220 kV Switchyard
4	Other Auxiliary items i.e. additional requirement of Power & Control Cables, illumination, VMS etc.
5	Associated civil works including dismantling of foundations already casted

Copy of NCT letter dated 13.07.2024 and further clarification mail received from CEA dated 15.07.2024, in this regard, are enclosed at **Annexure-I & II respectively**. The detailed scope of work along with implementation time frame for the above Transmission/Communication Schemes shall be as per the enclosed letter 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,



(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	2. Shri. Lokendra Singh Ranawat, Head Regulatory Parabati Koldam Transmission Co. Ltd. C/o Indigrid, 10 th Floor, Berger Delhi One Towers, Sector-16B, Noida, Uttar Pradesh - 201301
--	---