

ANNEXURE-I													
BILL OF QUANTITY													
DESIGN, SUPPLY, CIVIL WORK AND ETC OF 220KV TRANSMISSION LINE & TOWERS (DOUBLE CIRCUIT)- SUPPLY PART													
Project	North Karanpura Super Thermal Power Project (3x660MW)												
Customer	NTPC Ltd.												
Doc No.	TB-316-369-031TL, Rev-02												

S. No.	Item / Work description	Unit	Quantity	Ex-works Price (Rs)	Total Ex-works (Rs.)	Excise Duty (if any) (in %)	Total Excise Duty (Rs.)	Unit Freight & Insurance (Rs)	Total F & I (Rs)	CST/VAT		Amount of CST/VAT (Rs)	Total FOR Destination Price (Rs)
										(Type of tax whether CST or VAT)	(Rate in %)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Supply of 220kV Transmission Line tower structure - (From approved sources only)												
1.1	Supply of Transmission line towers (Preparation of shop drawings based on approved fabrication drawings/structure assembly drawing, fabrication, proto assembly (mild steel and HT steel as required) , submission of proto corrected drawings/BOMs, mass fabrication, galvanising, inspection and supply of lattice type galvanized steel structures including stub assembly etc all complete as per approved drawing and specification) (Zinc coating 610 gms/sq.m)												
1.1.1	Mild steel (Galvanized)	MT	460										
1.1.2	HT (High Tensile) steel (Galvanized)	MT	310										
1.1.3	GI Hardwares	MT	40										
1.2	Supply of MS stub setting templates made of channels,angles etc with one coat of primer	MT	10										
2	Supply of stringing materials, tower & stringing accessories & earthing materials (mandatory) (From approved sources only)												
2.1	Supply of Transmission Line tower accessories (phase plate, caution plate, number plate, circuit plate, anti-climbing device, bird guard, aviation signal etc) as per NTPC/BHEL specification.	Set *	45										
2.2	Supply of stringing material accessories for 220kV Double circuit Transmission line including the following :												
2.2.1	Conductor accessories: Vibration dampers, Clamps, Mid span compression joint, Repair sleeves, rigid & flexible spacers etc to complete	km	12										
2.2.2	GS Earth wire accessories: Vibrations dampers, Clamps (Tension Clamps, suspension clamp, cleat clamp, PG clamp etc), flexible copper bond, Mid span compression joint, Repair sleeves etc to complete	km	12										
2.3	Supply of complete earthing materials for all towers as per approved drawings												
2.3.1	3 m long , 40 NB pipe electrode	Nos.	45										
2.3.2	Counterpoise type (120 m long)	Nos.	10										
2.4	Supply of ACSR Zebra conductor as per NTPC/BHEL specification.	km	108										
2.5	Supply of 7/3.15mm GS earth wire as per NTPC/BHEL specification.	km	12										
	Total Amount (Rs.)												

Notes:-

1	PLEASE NOTE THAT UNPRICED COPY OF PRICE BID (i.e. ONLY % OF CST/VAT IS TO BE MENTIONED IN COLUMN NO. 12 AND CST/VAT* AS APPLICABLE IS TO BE INDICATED IN COLUMN NO. 11.) SHALL BE FURNISHED ALONG WITH TECHNO-COMMERCIAL BID.
2	THE PRICES MUST BE QUOTED IN THE PRESCRIBED UNIT ONLY.

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3	/* - One (1) Set means items for one (1) no. complete tension/ suspension tower.												
4	The quantities mentioned in the BOQ are tentative and Quantity of any item may vary upto any extent but the overall contract value may vary by +/- 30%.												
5	Any material/services required for successful completion of the project but not covered in the BOQ shall be deemed to be included in the scope of contractor without any cost implications to BHEL. <u>The bidder is advised to visit North Karanpura site before submission of bid.</u>												
6	Make of items and their sources to be supplied/used under this contract shall be subject to acceptance by customer/BHEL at contract stage.												
7	Handling, storage, transportation, loading, unloading, shifting etc. of all materials to required locations shall be in the scope of the bidder.												
8	Bidder may note that owner (NTPC/BHEL) shall not pay any compensation for any loss or damage to the properties during work of execution of transmission line job or for tree cutting due to bidder's work.												
9	Right of way is not in Bidder scope, but tree cutting (if any) is in the scope of bidder. Please refer special conditions of contract and customer technical specification.												
10	All associated items, though specifically not mentioned but required for safe and satisfactory execution and commissioning of transmission line will also be treated as included and same shall be supplied & ETC to be done at no extra cost to BHEL/ NTPC.												
11	For scope of supply items in contractor scope following should be followed . (1)The approval of makes shall be obtained from BHEL/Customer . (2)Drawings and MQP shall be submitted for approval in line with specification and relevant IS. (3) Quality -Inspection & dispatch clearance shall be given by BHEL/Customer.												