

	2x500 MW NEW NEYVELI THERMAL POWER STATION (NNTPS)	Doc. No. PE-TS-400/402-507-E001	
		Volume IIB	Section
	SPECIFICATION FOR HT XLPE CABLES	Rev. : 0	
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Bill of Quantity

(MAIN ITEMS – TG PACKAGE (Annexure-II))

11KV/11KV & 3.3KV/3.3KV (non-effectively earthed system) grade 90°C rating heavy duty XLPE power cable single or multicore, stranded compacted circular aluminium conductor H2 grade class 2, conductor screened by triple extruded semi conducting compound, cross linked poly ethylene insulated, insulation screened by triple extruded semi conducting compound (strippable) in combination with copper tape (for multicore cables) laid up FRLSH inner sheath with extruded PVC compound type ST 2 (for multicore cables), armoured (galvanized single core round steel wire armour for multicore cables and Non-magnetic hard drawn aluminium single round wire conforming to H4 grade for single core cables) and overall sheath with extruded FRLS PVC (type ST-2) cable complying with IS 7098 (part-2), IS-8130, IS-5831 & IS-3975.

BILL OF QUANTITIES (MAIN ITEMS):

11 kV armoured cables

<u>Sl. No.</u>	<u>Cable Sizes</u>	<u>Total Quantity</u>	<u>LOT-1 Quantity</u>	<u>Drum Length</u>
1.1	3C – 240 Sq. mm	1500 Meters	1500 Meters	1 drum of 600 Meters, 1 drum of 500 Meters & 1 drum of 400 Meters
1.2	1C – 300 Sq. mm	2400 Meters	2400 Meters	4 drums of 600 Meters
1.3	1C – 630 Sq. mm	800 Meters	800 Meters	2 Drums of 400 Meters

3.3 kV armoured cables

<u>Sl. No.</u>	<u>Cable Sizes</u>	<u>Total Quantity</u>	<u>LOT-1 Quantity</u>	<u>Drum Length</u>
1.1	3C – 240 Sq. mm	2400 Meters	2400 Meters	4 drums of 500 Meters & 1 drum of 400 Meters

Notes:

- Quantities indicated above shall be known as Order Quantities. The variation in quantities of all sizes put together shall be limited to (+/-)30% of the total contract value till completion of supplies for 2x500 MW NEW NEYVELI THERMAL POWER STATION (NNTPS) Project.
- The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ in the Price Schedule enclosed with this specification. The unit prices shall apply for adjustment of variation in quantity as stipulated above.

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