



1 x 800 MW KOTHAGUDEM TPS

**TECHNICAL SPECIFICATION FOR
SCREENED CONTROL CABLES**

SPECIFICATION NO. PE-TS- 410-507-E004

VOLUME II B

SECTION C

REVISION 0 DATE: 07/12/2015

SHEET

**ANNEXURE - A
BOQ-CUM-PRICE SCHEDULE FOR SCREENED CONTROL CABLE**

1.0) MAIN SUPPLY

1.1) Individual & Overall Screened Cable (Type-F)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned electrolytic copper extruded HR PVC insulation (Type-C), individual & overall screened with Aluminium Mylar tape & drain wire, extruded FRLS HR PVC inner sheath (Type ST2) Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS HR PVC outer sheath (Type ST2), generally conforming to IS:1554 Part-I (latest)

S.No.	Item Code	Item Description	UOM	Order Quantity	LOT-1 Quantity	Unit Price (Ex-Works) Rs	Total Price (Ex-Works) Rs	ED including cess @...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @....% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @ _____% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R. Site Price Supply (Rs)
1.1.1	507-31009-A	1.1KV TYPE F(O) 4P - 0.5 ARMoured	KM	89	62						
1.1.2	507-31013-A	1.1KV TYPE F(O) 8P - 0.5 ARMoured	KM	46	32						
1.1.3	507-31001-A	1.1KV TYPE F(O) 12P - 0.5 ARMoured	KM	6	4						
1.1.4	507-31005-A	1.1KV TYPE F(O) 20P - 0.5 ARMoured	KM	16	11						

1.2) Overall Screened Cable (Type-G)

1100V grade twisted paired cable with stranded high conductivity annealed, tinned electrolytic copper extruded HR PVC insulation (Type-C), overall screened with Aluminium Mylar tape & drain wire, extruded FRLS HR PVC inner sheath (Type ST2) , Galvanised steel round wire(if dia under armour is upto 13 mm) or formed wire(if dia under armour is more than 13 mm) armour as per IS 3975 and IS 1554 part-I, with overall FRLS HR PVC outer sheath (Type ST2), generally conforming to IS:1554 Part-I (latest)

S.No.	Item code	Item Description	UOM	Order Quantity	LOT-1 Quantity	Unit Price (Ex-Works) Rs	Total Price (Ex-Works) Rs	ED including cess @...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @....% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @ _____% OF TOTAL EX-WORKS (INR)	TOTAL F.O.R. Site Price Supply (Rs)
1.2.1	507-31025-A	1.1KV TYPE G(O) 2P - 0.5 ARMoured	KM	76	53						
1.2.2	507-31029-A	1.1KV TYPE G(O) 4P - 0.5 ARMoured	KM	84	59						
1.2.3	507-31033-A	1.1KV TYPE G(O) 8P - 0.5 ARMoured	KM	165	116						
1.2.4	507-31017-A	1.1KV TYPE G(O) 12P - 0.5 ARMoured	KM	28	20						

Notes: (Applicable for Main Supply)

- Quantities indicated above at S. No. 1.1 & 1.2 shall be known as Order Quantities. The variation in quantities of all sizes for Main supply (S. No. 1.1 & 1.2) put together shall be limited to (-) 30% to (+) 30% of the total contract value derived on the basis of the Ordered quantities for this very project.
- The quantities will be released for manufacture in more than one lot.
- The LOT-1 quantities, which are indicated above, shall be released for manufacture along with LOI. However, manufacturing of LOT-1 quantities shall be done after the approval of technical and quality documentation. Subsequent lots shall be cleared for manufacture based on progress of engineering and site requirements.
- Delivery schedule of LOT-1 and subsequent lots shall be as per NIT.
- The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ in the Price Schedule. The unit price shall apply for adjustment of variation in quantity as stipulated above.
- Overall variation on dispatched quantity of each size shall be (-) 2% and (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.
- Standard drum length shall be 1000 metres upto 12P and 500 metres for 20P. The tolerance of drum length shall be +/- 5%. Short lengths of individual cable size not less than 300m may be accepted only in the final drum length to complete the supply within the overall variation limit stipulated above.
- In case of the quantities of any one lot cleared by BHEL for manufacturing are manufactured and offered for inspection by successful bidder in more than one batch, BHEL reserves the right to witness type testing on all batches without any price implications.
- Type Test charges are deemed to be included in price of cables. No separate Type Test charges to be quoted by bidder.