

1 x 800 MW KOTHAGUDEM TPS
Price Variation Calculation Format
SCREENED CONTROL CABLES

ANNEXURE-B

(A) 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)

Formula Used : $P = P_0 + CuF (Cu-Cu_0)$

CABLE	1.1KV TYPE F(IO) 4P - 0.5 UNARMOURED	1.1KV TYPE F(IO) 8P - 0.5 UNARMOURED	1.1KV TYPE F(IO) 12P - 0.5 UNARMOURED	1.1KV TYPE F(IO) 20P - 0.5 UNARMOURED	
A / UA					
Metal					
P₀					
CuF (KG/KM)	63	121	179	295	
Cu					
Cu₀					
CuF(Cu- Cu₀)					
Final Unit Ex - works price / Km					
Price Increasing Max 20 %					

(B) 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)

Formula Used : $P = P_0 + CuF (Cu-Cu_0)$

CABLE	1.1KV TYPE G(O) 2P - 0.5 UNARMOURED	1.1KV TYPE G(O) 4P - 0.5 UNARMOURED	1.1KV TYPE G(O) 8P - 0.5 UNARMOURED	1.1KV TYPE G(O) 12P - 0.5 UNARMOURED	
A / UA					
Metal					
P₀					
CuF(KG/KM)	25	45	85	125	
Cu					
Cu₀					
CuF(Cu- Cu₀)					
Final Unit Ex - works price / Km					
Price Increasing Max 20 %					