


Specification (indent No 2 dated 24.01.2013)

Specification for Medium Voltage Power Cable				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Supply of Medium Voltage, XLPE insulated, PVC outersheathed, armoured Power Cable conforming to the specification given below.			
1.0	Medium Voltage Power Cable:			
1.1	Nominal area of conductor	10/16 sq.mm as specified in the scope of supply		
1.2	Number of cores	4 core(R,Y,B,Black)		
1.3	Conductor	Stranded, Circular/ shaped, Aluminium as specified in the scope of supply.		
1.4	Voltage rating	1.1KV, 50Hz, a.c		
1.5	Insulation	Extruded XLPE as per IS 7098 Part-1		
1.6	Innersheath	PVC Type ST-1 as per IS:7098 Part-1		
1.7	Armouring	Galvanized steel wire/ strip armouring		
1.8	Outersheath	PVC Type ST-1 as per IS:7098 Part-1		
1.9	Conformance to Indian Standard specification	IS:7098 part-1		
2.0	Technical leaflet of the cable indicating the approx. diameter, weight, thickness of insulation/ sheathing/ armour wire, current rating etc. to be enclosed with the offer.	Vendor to confirm		
3.0	General Features of the M.V. Cable:			
3.1	Cable shall have the manufacturer name embossed/ printed/ indented on the outer sheath at regular intervals.			

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3.2	Cable shall have Voltage grade, cable size embossed on the outer sheath.			
3.3	Routine tests shall be conducted on the cables as per IS and test certificate shall be produced			
3.4	Make of the cable.	vendor to specify		
3.5	Cable of length 500 meters should be supplied in wooden drum.			
4.0	Reference List/ Qualifying Conditions:			
4.1	Only those manufacturers/vendors who have supplied same or higher size cables (minimum 4 core and 10 Sq mm) in BHEL should quote and he has to send a PO copy as proof.			
5.0	Scope of Supply	Quantity		
5.1	4 core, 10 sq.mm XLPE AA cable as specified above	1500 meters		
5.2	4 core, 16 sq.mm XLPE AA cable as specified above	500 meters		


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 Engineer/M&S