

Annexure - I				
Specification for Copper Cable				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Supply of PVC insulated, Flexible Copper Cables suitable for 1.1KV and conforming to the specification given below.			
1.0	Medium Voltage Power Cable:			
1.1	Nominal area of conductor	sq. mm as specified in the scope of supply		
1.2	Number of cores	4 / 12 core as specified in the scope of supply		
1.3	Conductor	Stranded/Circular shaped, Copper as specified in the scope of supply.		
1.4	Voltage rating	1.1KV, 50Hz, AC		
1.5	Dielectric Insulation	Thermoplastic dielectric PVC compound		
1.6	Outersheath	General purpose, PVC compound outersheath		
1.7	Conformance to Indian Standard specification	IS 694:1990		
1.8	Length of cable in one roll	100 Mtrs		
1.9	Technical leaflet of the cable indicating the approx. diameter, weight, thickness of insulation/ sheathing/current rating etc. to be enclosed with the offer.	Vendor to confirm		
2.0	General Features of the M.V.Cable:			
2.1	Cable shall have the manufacturer name embossed/ printed/ indented on the outer sheath at regular intervals.			
2.2	Cable shall have Voltage grade, cable size embossed on the outer sheath.			
2.3	Routine tests shall be conducted on the cables as per IS and test certificate shall be produced			
2.4	Make of the cable	vendor to specify		
3.0	Scope of Supply	Quantity		
3.1	4 CORE 1.5 SQ MM PVC INSULATED FLEXIBLE COPPER CABLE	500 m		
3.2	4 CORE 2.5 SQ MM PVC INSULATED FLEXIBLE COPPER CABLE	500 m		
3.3	4 CORE 6 SQ MM PVC INSULATED COPPER CABLE	500 m		
3.4	12 CORE 1.5 SQ MM PVC INSULATED COPPER CONTROL CABLE	200 m		