

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF H.T. & L.T. CABLES

SPECIFICATION No. --HT/LT CABLES FOR DEBOTTLENECKING SCHEME

NOTE:

- 1 VENDOR must submit complete information against clause No. 13 (Qualifying condition). The offer meeting this clause would only be processed.
 - 2 The "offered" Column and where applicable, the "Deviations" Column of this format shall be filled in by the Vender and submitted along with the offer. Technical details also submitted with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specification / requirements shall be treated as non-compliance.
 - 3 The offer and all documents enclosed with offer should be in English language only.
- NAME & ADDRESS OF THE SUPPLIER:
- CONTACT PERSON'S NAME
- TELEPHONE NOS.:
- E-MAIL ADDRESS:

SCOPE:

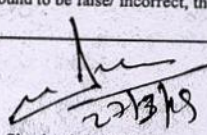
DESIGN, MANUFACTURING, TESTING, PACKING AND SUPPLY OF LT & H.T. CABLES

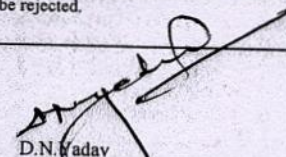
S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	VENDER TO CONFIRM/SPECIFY	OFFERED	DEVIATIONS
1.0	SCOPE			
1.1	This specification governs the quality requirements of design, manufacturing, testing, packing at supplier works and delivery of cable complete in all respect.	VENDER TO CONFIRM		
2.0	SPECIFICATION			
i	3 C x 95 sqmm Aluminium F (ARMORD) 11KV HT CABLE 6.35/11 KV (E) Grade, Stranded Compacted Circular Conductor, Conductor Screen of Extruded Semiconducting compound, Extruded XLPE Insulated, Insulation Screen of Extruded Semi Conducting Compound (Through Triple Extrusion Process), Followed by Metallic Screen of Copper Tape (Earth Fault Current 0.3KA for 1 Second collectively for all Three Cores), Cores laid up, Extruded PVC Type ST-2 Inner Sheathed, Galvanised Steel Flat strip Armoured and Overall Extruded FRLS PVC Type ST-2 Outer Sheathed Cables Confirming to IS: 7098 P-2.	VENDER TO CONFIRM		
ii	1 C x 500 sqmm Aluminium Wa (ARMORD) 11 KV HT CABLE 6.35/11 KV (E) Grade, Stranded Compacted Circular Conductor, Conductor Screen of Extruded Semi conducting compound, Extruded XLPE Insulated, Insulation Screen of Extruded Semi Conducting Compound (Through Triple Extrusion Process), Followed by Metallic Screen of Copper Tape (Earth Fault Current 0.3KA for 1Second), Extruded PVC Type ST-2 Inner Sheathed, Hard Drawn Aluminium Round Wire Armoured and Overall Extruded FRLS PVC Type ST-2 Outer Sheathed Cables Confirming to IS: 7098 P-2.	VENDER TO CONFIRM		
iii	3.5 C x 300 sqmm Aluminium F (ARMORD) 1.1 KV LT CABLE 1.1 KV Grade, Stranded Compacted Sector Shaped Conductor, PVC Type A Insulated, Cores Laidup, PVC Type ST-1 Innersheathed, Galvanised Steel Flat strip Armoured, Overall FRLS PVC Type ST-1 Outer Sheathed Cables Confirming to IS: 1554 P-1.	VENDER TO CONFIRM		
iv	4 C x 4 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.1 KV Grade, Stranded Circular Conductor Conductor, PVC Type A Insulated, Cores Laidup, PVC Type ST-1 Innersheathed, Overall FRLS PVC Type ST-1 Outer Sheathed, Unarmoured Cables Confirming to IS: 1554 P-1.	VENDER TO CONFIRM		
v	4 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.1 KV Grade, Stranded Circular Conductor Conductor, PVC Type A Insulated, Cores Laidup, PVC Type ST-1 Innersheathed, Overall FRLS PVC Type ST-1 Outer Sheathed, Unarmoured Cables Confirming to IS: 1554 P-1.	VENDER TO CONFIRM		
vi	12 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.1 KV Grade, Stranded Circular Conductor Conductor, PVC Type A Insulated, Cores Laidup, PVC Type ST-1 Innersheathed, Overall FRLS PVC Type ST-1 Outer Sheathed, Unarmoured Cables Confirming to IS: 1554 P-1.	VENDER TO CONFIRM		
vii	24 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.1 KV Grade, Stranded Circular Conductor Conductor, PVC Type A Insulated, Cores Laidup, PVC Type ST-1 Innersheathed, Overall FRLS PVC Type ST-1 Outer Sheathed, Unarmoured Cables Confirming to IS: 1554 P-1.	VENDER TO CONFIRM		
viii	Technical data sheet to be furnish for each type of cable as per Annex-A. enclosed with specification	VENDER TO SUBMIT		
3.0	SCOPE OF SUPPLY			
i	3 C x 95 sqmm Aluminium (ARMORD) 11 KV HT CABLE 1.9 KM.	VENDER TO CONFIRM		
ii	1 C x 500 sqmm Aluminium (ARMORD) 11 KV HT CABLE 1.5 KM	VENDER TO CONFIRM		
iii	3.5 C x 300 sqmm Aluminium (ARMORD) 1.1 KV LT CABLE 1.950 KM	VENDER TO CONFIRM		
iv	4 C x 4 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.0 KM	VENDER TO CONFIRM		
v	4 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 2.0 KM	VENDER TO CONFIRM		
vi	12 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.0 KM	VENDER TO CONFIRM		
vii	24 C x 2.5 sqmm Copper (UNARMORD) 1.1 KV LT CABLE 1.0 KM	VENDER TO CONFIRM		
4.0	TESTS			
4.1	All acceptance and routine test shall be carried out on all cables at vender's works in the presence of BHEL representative. Type test reports of similar cables shall be furnished.	VENDER TO CONFIRM		
5.0	GENERAL			
5.1	Cable shall be delivered in maximum possible length of not less than 500- 750 meter length.	VENDER TO CONFIRM		

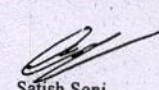
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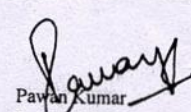
(8)

DESIGN, MANUFACTURING, TESTING, PACKING AND SUPPLY OF LT & H.T. CABLES				
S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	VENDER TO CONFIRM/SPECIFY	OFFERED	DEVIATIONS
5.2	Cables shall be neatly rolled on wooden drums (seasoned wood) /steel with both ends sealed with moisture proof sealing.	VENDER TO CONFIRM & SPECIFY		
5.3	Sequential marking of the length of the type and size of cable, voltage grade cable shall be provided on the outer sheath at every one meter. The imbossing shall be legible and indelible.	VENDER TO CONFIRM		
5.4	On the flange of the drum necessary information such as manufacturer's name, type, size, voltage grade, length of the cable shall be printed. An arrow shall be printed on the drum with suitable instructions to show the direction of rotation of the drum.	VENDER TO CONFIRM		
6.0	DOCUMENTATIONS			
6.1	QAP shall be furnished along with the offer	VENDER TO SUBMIT		
6.2	Final data sheet after BHEL Purchase Order	VENDER TO CONFIRM		
6.3	Type test certificate before inspection	VENDER TO CONFIRM		
6.4	3 copies of test certificates and technical data sheets with in one week after inspection	VENDER TO CONFIRM		
7.0	INSPECTION AND TESTING			
7.1	Inspection and testing of cables shall be done at manufacturer works. All necessary test as per relevant Indian standards to ensure the quantity & performance of all cables shall be carried out by the supplier at his own cost.	VENDER TO CONFIRM		
7.2	15 days advance information shall be given so that BHEL representative can be deputed for inspection and testing.	VENDER TO CONFIRM		
8.0	GUARANTEE			
8.1	The cable shall be guaranteed against any manufacturing and design defect for the period of 24 months from the date of receipt.	VENDER TO CONFIRM		
9.0	QUALIFYING CONDITION			
9.1	Only those vender, who are in the line of cable manufacturing or authorised agents of cable manufacturer shall quote (Relevant document required with offer). The following informations are to be submitted with the offer. This is required from vendors for qualifications of their offers.	VENDER TO SUBMIT		
9.2	Name of the cable manufacturer and company profile	VENDER TO SUBMIT		
9.3	Details of manufacturing facilities available at manufacturer works.	VENDER TO SUBMIT		
10.0	BHEL reserves the right to verify information submitted by vender. In case the information is found to be false/ incorrect, the offer shall be rejected.	VENDER TO CONFIRM		


 Shashank Dubey
 Sr. Engg/Test


 D.N. Yadav
 Manager/Test


 Satish Soni
 Dy. Mgr./WEX


 Pawan Kumar
 Sr. Mgr/WEX