

Annex - B

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI				
SPECIFICATION CUM COMPLIANCE CERTIFICATE OF H.T. & L.T CABLES				
SPECIFICATION No.--HT/LT CABLES QIP, SOLAR & BOILER-02(Rev.-02)				
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			
i	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	VENDER TO CONFIRM		
i	3.5 CORE, 300 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
ii	3.5 CORE, 185 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
iii	3.5 CORE, 95 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
iv	3.5 CORE, 25 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
v	3.5/4 CORE, 10 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
vi	3.5/4 CORE, 2.5 SQ. MM PVC SEATHED COPPER CABLE, WORKING VOLTAGE UP TO AND INCLUDING 1100 VOLT, IN NEATELY ROLLED WOODEN DRUM WITH BOTH END SEALED WITH MOISTURE PROOF SEALING ON THE FLANGE OF DRUM. NECESSARY INFORMATION SUCH AS MANUFACTURER'S NAME, TYPE, SIZE, VOLTAGE GRADE, LENGTH OF CABLE SHALL BE PRINTED. APPLICABLE IS : 7098-1/1988	VENDER TO CONFIRM		
vii	6.35/11KV Grade, Standard Compacted Circular Aluminium Conductor (11 KV, 3 CORE X 240 Sq. MM. Al.), 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 0.3 KA for 1 Second collectively for all three cores), Cores laid up, Extruded PVC Type ST-2 Inner Sheathed, Galvanised Steel Flat/ round Strip Armour and Overall Extruded FR PVC Type ST-2 Outer Sheathed Cables APPLICABLE IS : 7098-2/2011	VENDER TO CONFIRM		
viii	Technical data sheet to be furnish for each type of cable as per enclosed format-Annex-A, of this specification	VENDER TO SUBMIT		
3.0	SCOPE OF SUPPLY			
i	3.5 CORE, 300 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE - QTY-1800Mtr	VENDER TO CONFIRM		
ii	3.5 CORE, 185 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE - QTY-500Mtr	VENDER TO CONFIRM		
iii	3.5 CORE, 95 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE - QTY-500Mtr	VENDER TO CONFIRM		
iv	3.5 CORE, 25 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE - QTY-500Mtr	VENDER TO CONFIRM		
v	3.5/4 CORE, 10 SQ. MM PVC SEATHED ARMoured ALUMINIUM CABLE - QTY-500Mtr	VENDER TO CONFIRM		
vi	3.5/4 CORE, 2.5 SQ. MM PVC SEATHED COPPER CABLE - QTY-500Mtr	VENDER TO CONFIRM		
vii	6.35/11KV Grade, Standard Compacted Circular Aluminium Conductor (11 KV, 3 CORE X 240 Sq. MM. Al.) - QTY-2000Mtr	VENDER TO CONFIRM		
4.0	TESTS			







DESIGN, MANUFACTURING, TESTING, PACKING AND SUPPLY OF LT & H.T.CABLES				
S.NO	DESCRIPTION FOR BHEL REQUIREMENT	VENDER TO CONFIRM/SPECIFY	OFFERED	DEVIATIONS
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		
5.2	Cables shall be neatly rolled on wooden drums (seasoned wood) with both ends sealed with moisture proof sealing.	VENDER TO CONFIRM		
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. The following informations are to be submitted with the offer. This is required from venders 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		
9.4	Details of test 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		

S.M.Thomas
Dy.Eng.(WEX) 22/5/18

Y.K.Dhingra
Dy.Mgr.(MOD,WEX)

Pawan Kumar
Sr.Mgr.(MOD,WEX) 22/05/18

Rajeev Agrawal
A.G.M(WEX)

Sanjeev Rastogi
A.G.M(WEX,MOD)

Oscar Angel
A.G.M(TRM-PT) 23.05.18

K.D.Gupta
Sr.Mgr(FCX)

S.J.Chakraborty
A.G.M.(WEX,MOD,FCX,HSE)