

SHARAI HEAVY ELECTRICALS LIMITED, JHANSI
SPECIFICATION CUM COMPLIANCE CERTIFICATE OF H.T. & L.T. CABLES

SPECIFICATION No.--HT/LT QIP SOLAR-01 Annex. A(Technical data sheet)

S.No.	Description	Action by vendor	3.5 CORE,300 SQ. MM PVC SEATHED ARMOURED ALUMINIUM CABLE, 1100 VOLT	3.5 CORE,185 SQ. MM PVC SEATHED ARMOURED ALUMINIUM CABLE 1100 VOLT	3.5 CORE,95 SQ. MM PVC SEATHED ARMOURED ALUMINIUM CABLE, 1100 VOLT	3.5 CORE,25 SQ. MM PVC SEATHED ARMOURED ALUMINIUM CABLE 1100 VOLT	3.5 /4CORE,10 SQ. MM PVC SEATHED ARMOURED ALUMINIUM CABLE, 1100 VOLT	3.5/4CORE,2.5 SQ. MM PVC SEATHED COPPER CABLE, 1100 VOLT	6.35/11KV Grade, Standard Compacted Circular Aluminium Conductor (11 KV, 3 CORE X 240 Sq. MM. Al).
1.1	Make	VENDER TO SPECIFY							
1.2	Type	VENDER TO SPECIFY							
1.3	Applicable Standard IS	VENDER TO SUBMIT							
1.4	Voltage grade	VENDER TO SPECIFY							
1.5	Suitable for system with:	VENDER TO SUBMIT							
	a) Service voltage	VENDER TO SPECIFY							
	b) Nature earthed/ unearthed	VENDER TO SPECIFY							
1.6	Maximum conductor temp.								
	a) Continuous Deg. C	VENDER TO SPECIFY							
	b) Short Deg. C	VENDER TO SPECIFY							
1.7	Conductor								
	a) Material	VENDER TO SPECIFY							
	b) Size (SQ. mm)	VENDER TO SPECIFY							
	c) No. of wires & diameter of each wire (No/mm)	VENDER TO SPECIFY							
1.8	Insulation								
	a) Material	VENDER TO SPECIFY							
	b) Type	VENDER TO SPECIFY							
	c) Thickness (nominal) mm	VENDER TO SPECIFY							
1.9	Inner sheath								
	a) Material	VENDER TO SPECIFY							
	b) Type	VENDER TO SPECIFY							
	c) Thickness (nominal) mm	VENDER TO SPECIFY							
	d) Extruded confirmed/ No	VENDER TO SPECIFY							
	e) Approx. outside dia over inner sheath mm.	VENDER TO SPECIFY							
1.10	Armouring								
	a) Material	VENDER TO SPECIFY							

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	b) Size	VENDER TO SPECIFY							
	c) DC resistance at 20 degree C (Ohm/km)	VENDER TO SPECIFY							
1.11	Overall sheath								
	a) Material	VENDER TO SPECIFY							
	b) Type	VENDER TO SPECIFY							
	c) Thickness (nominal) mm	VENDER TO SPECIFY							
1.12	Approx. overall diameter (mm)	VENDER TO SPECIFY							
1.13	Standard drum length with tolerance (m)	VENDER TO SPECIFY							
1.14	Net weight of cable (Kg/Km)	VENDER TO SPECIFY							
1.15	Continuous current rating for standard IS condition laid direct. Amps								
	a) In ground	VENDER TO SPECIFY							
	b) In duct	VENDER TO SPECIFY							
	c) In air	VENDER TO SPECIFY							
1.16	Short circuit current for - 1 sec. (KA)	VENDER TO SPECIFY							
1.17	Electrical parameters at maximum operating temp.(ohm/km)								
	a) Resistance	VENDER TO SPECIFY							
	b) Reactance at 50 hz	VENDER TO SPECIFY							
	c) Impedence	VENDER TO SPECIFY							
1.18	Recommended minimum bending radius	VENDER TO SPECIFY							
1.19	De-rating factor for following ambient temp. in air ground.	VENDER TO SPECIFY							
	a) At 30° C	VENDER TO SPECIFY							

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	b) At 35° C	VENDER TO SPECIFY							
	c) At 45° C	VENDER TO SPECIFY							
	d) At 50° C	VENDER TO SPECIFY							
1.20	Cable identification code	VENDER TO SPECIFY							
1.21	List of routine and type tests certificates enclosed.	VENDER TO SPECIFY							

S.M. Thomas
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Dy. Eng. (WEX)

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

Pawan Kumar
Pawan Kumar
Sr. Mgr. (MOD, WEX)