

 BHEL-ISG BANGALORE	Technical Specification for LT Power Cable of Telegana Super Thermal Power Project – 2X800 MW	IS-1-15-2003/E019
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SECTION –III
SCOPE OF SUPPLY

3.1. This technical specification covers design, manufacture, testing at manufacturer's works, packing & delivery of LT PVC and LT XLPE Power Cables as mentioned below

I) COAL HANDLING PLANT -

Sl no	Description	Quantity	UOM
	XLPE Insulated, Armoured cable		
1	3.5CX240 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	250	Mtrs
2	3.5CX185 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	340	Mtrs
3	3CX240 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	500	Mtrs
4	3CX150 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	200	Mtrs
	PVC Insulated, Armoured cable		
5	3CX120 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	250	Mtrs
6	3.5CX70 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	500	Mtrs
7	4CX35 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	2000	Mtrs
8	4CX25 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	6000	Mtrs
9	4CX16 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	7000	Mtrs
10	4CX10 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	3000	Mtrs
11	4CX2.5 Sqmm, Armoured, PVC Insulated, FRLS Copper cable	360	Mtrs
12	3CX2.5 Sqmm, Armoured, PVC Insulated, FRLS Copper cable	3000	Mtrs

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II) ASH HANDLING PLANT -

**II) SR.NO 1 TO 27 SHALL BE READ AS UNARMoured
INSTEAD OF ARMoured AS PER HEADING
DESCRIPTION & PRICE FORMAT**

Sl no	Description	Quantity	UOM
	XLPE Insulated, Unarmoured cable		
1	3.5CX185 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	2500	Mtrs
2	3.5CX150 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	3000	Mtrs
3	3CX400 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	4000	Mtrs
4	3CX300 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	7000	Mtrs
5	3CX240 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	2500	Mtrs
6	3CX185 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	2000	Mtrs
7	3CX150 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	1000	Mtrs
8	1CX150 Sqmm, Armoured, XLPE Insulated, FRLS Aluminum cable	300	Mtrs
	PVC Insulated, Unarmoured cable		
9	4CX25 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	900	Mtrs
10	4CX10 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	720	Mtrs
11	3.5CX120 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	1000	Mtrs
12	3.5CX95 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	287	Mtrs
13	3.5CX70 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	1000	Mtrs
14	3.5CX50 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	4500	Mtrs
15	3.5CX35 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	850	Mtrs
16	3CX120 Sqmm, Armoured, PVC Insulated, FRLS Aluminium cable	1000	Mtrs

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17	3CX95 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	2500	Mtrs
18	3Cx70 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	7000	Mtrs
19	3CX50 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	4000	Mtrs
20	3CX35 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	15000	Mtrs
21	3CX25 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	13000	Mtrs
22	3CX16 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	1505	Mtrs
23	3CX10 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	700	Mtrs
24	3CX6 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	18000	Mtrs
25	1CX25 Sqmm, Armoured, PVC Insulated, FRLS Aluminum cable	240	Mtrs
26	4CX2.5 Sqmm, Armoured, PVC Insulated, FRLS Copper cable	9000	Mtrs
27	3CX2.5 Sqmm, Armoured, PVC Insulated, FRLS Copper cable	18000	Mtrs

Bidder to furnish unit price for each size of cable. The unit prices shall be operated in case of addition/deletion in cable quantity during detail engineering. Bidder shall furnish the prices strictly as per the Price format

- 3.2. The cables shall conform to high standards of design, engineering and workmanship shall be capable of performing in continuous commercial operation up to bidder's guarantee.
- 3.3. Requirements of the specification including the quality plan shall be agreed upon for total compliance by bidders without any deviations. Price offers of only those bidders complying with the above requirement shall be acceptable.
- 3.4. All the enclosures furnished along with this specification shall form part of the tender. Bidder shall submit a signed copy of BHEL's this Tender Enquiry Specification along with all enclosures as Technical Offer with the Bid without any Deviation.
- 3.5. Bidder shall include the responsibility of getting the drawings approved from Customer / Customer's Consultant & BHEL. Bidder shall be solely responsible for submission and getting the Drawings / Data Sheets / QAP approved from BHEL / Customer / Customer's consultant in time and shall plan the activities accordingly.