



Additional Terms and Conditions for Bidders (including Pre-Qualification requirements)**PQR for PVC Insulated Single Core Cable FR-LSH (PI 120931025)**

S. No	Description of requirement	Document to be attached/ furnished by Bidder	Bidder Compliance (YES/NO)
1	Bidder should submit a sealed signed self-declaration stating that, "Offered item is exactly same as per enquiry and there is no deviation".	Self-certified copy required that "Offered item is exactly same as per enquiry and there is no deviation and compliance to SG12973" (preferably on Letterhead)	
2	Bidder should OEM / Reseller/Dealer/Distributor	Self-Declaration or any other supporting document. In case Bidder is not OEM but its Reseller then bidder to submit valid authorisation certificate from OEM with the bid.	
3	Bidder should have supplied PVC Insulated Single Core Cable FR-LSH in any one of Financial Year among FY2018-19, FY2019-20, FY2020-21, FY2021-22, FY2022-23 & FY2023-24 (Before tender due date) to BHEL or any Central / State Govt. Organization / PSU / Private Company.	Purchase Order copy(s) along with Invoice(s)	
4	Average annual turnover of, FY2020-21, FY2021-22 and FY2022-23 should not be less than Rs. 200 Lacs.	CA sealed signed certified document to be provided for Turnover in FY 2020-21, 2021-22 and 2022-23. Document must have UDIN number mentioned in it.	

1825829/2023	BHEL-SWM 20915	 PRODUCT STANDARD SWITCHGEAR ENGINEERING DIVISION	SG12973 PAGE 01 OF 02																												
		“Technical Specification for PVC FR –LSH Control Cable” 1.0 SCOPE This standard covers specification and acceptance norms for the PVC insulated single core un-tinned annealed high conductivity copper wire as Clause 5 of AA28544 type FR –LSH Flame Retardant low smoke cable. 2.0 SPECIFICATION & TEST																													
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited It must not be used directly or indirectly in any way detrimental to interest of Co.		<table border="1"> <thead> <tr> <th>Sl. no</th> <th>Specification</th> <th>Vendor's Compliance</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td> PVC insulated single core untinned annealed high conductivity copper wire as Clause 5 type FR- LSH Flame Retardant cable with reduced halogen evolution and smoke for improved fire performance of Category C2 with cable grade 1100 V shall be as per <ul style="list-style-type: none"> BHEL standard AA 28544 Rev no 02 Page 1 to 5 IS 694 1990 (Reaffirmed 2005) Edition 4.4 (2007-01) </td> <td>Complied/Not Complied</td> <td></td> </tr> <tr> <td>2.</td> <td> The mean overall cable diameter upper limit shall be as per IS 694 and shall be written on each bundle along with other data. Vendor shall take care that no bundle with mean overall cable diameter upper limit is more than permitted by IS 694 is supplied to BHEL <ul style="list-style-type: none"> For 4 sq mm cable 4.8 mm For 2.5 sq mm cable 4.2 mm For 1.5 sq mm cable 3.4 mm </td> <td>Complied/Not Complied</td> <td></td> </tr> <tr> <td>3.</td> <td>In addition to Clause 12 of AA 285 44 Rev No 02 Sheet 1 to 5 Identification, Packing and Marking shall be as per Section 5 (Identification ,Packing and Marking - 17.1 , 17.2 , 17.3, 18.1, 18.2) of IS 694</td> <td>Complied/Not Complied</td> <td></td> </tr> <tr> <td>4.</td> <td> On every meter of cable vendor to print /emboss as per IS 694 clause <ul style="list-style-type: none"> 17.2 (Special cable identification FR-LSH) 18.2a (Reference Standard IS 694) 18.2b Manufacturer's name, Brand name or trade mark) 18.2 c (Type of cable and voltage grade) 18.2d (No of cores) 18.2.1 (ISI mark) </td> <td>Complied/Not Complied</td> <td></td> </tr> </tbody> </table>	Sl. no	Specification	Vendor's Compliance	Remarks	1.	PVC insulated single core untinned annealed high conductivity copper wire as Clause 5 type FR- LSH Flame Retardant cable with reduced halogen evolution and smoke for improved fire performance of Category C2 with cable grade 1100 V shall be as per <ul style="list-style-type: none"> BHEL standard AA 28544 Rev no 02 Page 1 to 5 IS 694 1990 (Reaffirmed 2005) Edition 4.4 (2007-01) 	Complied/Not Complied		2.	The mean overall cable diameter upper limit shall be as per IS 694 and shall be written on each bundle along with other data. Vendor shall take care that no bundle with mean overall cable diameter upper limit is more than permitted by IS 694 is supplied to BHEL <ul style="list-style-type: none"> For 4 sq mm cable 4.8 mm For 2.5 sq mm cable 4.2 mm For 1.5 sq mm cable 3.4 mm 	Complied/Not Complied		3.	In addition to Clause 12 of AA 285 44 Rev No 02 Sheet 1 to 5 Identification, Packing and Marking shall be as per Section 5 (Identification ,Packing and Marking - 17.1 , 17.2 , 17.3, 18.1, 18.2) of IS 694	Complied/Not Complied		4.	On every meter of cable vendor to print /emboss as per IS 694 clause <ul style="list-style-type: none"> 17.2 (Special cable identification FR-LSH) 18.2a (Reference Standard IS 694) 18.2b Manufacturer's name, Brand name or trade mark) 18.2 c (Type of cable and voltage grade) 18.2d (No of cores) 18.2.1 (ISI mark) 	Complied/Not Complied										
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3.0 MATERIAL ACCEPTANCE CRITERIA :-		
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1	The mean overall cable diameter to be checked & shall be as per IS 694 and shall be written on each bundle along with other data. Upper limit for mean overall cable diameter shall be <ul style="list-style-type: none"> For 4 sq mm cable 4.8 mm For 2.5 sq mm cable 4.2 mm For 1.5 sq mm cable 3.4 mm 	
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3	Availability of Routine Test Certificates.	
4	Availability of approval letter from engineering for type test.	
5	Visual Inspection for transit damage & cut.	