



An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY

NOTICE INVITING TENDER

Phone: +91 431 257 79 38
Fax : +91 431 252 07 19
Email : tvenkat@bheltry.co.in
Web : www.bhel.com

TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:
Tender to be submitted in two Parts	2621000154	24.12.2010	25.01.2011

You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order.

Please note that under any circumstances both **delayed offer** and **late offers** will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14.00 hrs on the Date of **tender opening**.

Item	Description	Delivery Schedule	
		Quantity	Date
10	4 Core, 1.5 sqmm PVC Insulated Flexible Copper Conductor Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	3,000.00 M	15.06.2011
20	3.5 Core, 185 sqmm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	20,000.00 M	15.06.2011
30	3.5 Core, 25 sq.mm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	10,000.00 M	15.06.2011
40	4 Core, 10 sq.mm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	7,000.00 M	15.06.2011
50	4 Core, 6 sq.mm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	7,000.00 M	15.06.2011



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Item	Description	Delivery Schedule	
		Quantity	Date
60	4 Core, 4 sq.mm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	7,000.00 M	15.06.2011
70	3.5 Core, 25 sq.mm Unarmoured Stranded Copper Conductor PVC Insulated Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	500.00 M	15.06.2011
80	3.5 Core, 16 sq.mm Unarmoured Stranded Copper Conductor PVC Insulated Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	750.00 M	15.06.2011
90	3.5 Core, 50 sq.mm XLPE PVC AA Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in)	7,000.00 M	15.06.2011

Important points to be taken care during submission of offer

1. Checklist to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
2. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media.

BHEL's General guidelines / instructions (refer MM/CE/GT/001) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from BHEL web site <http://www.bhel.com> or from the Government tender website <http://tenders.gov.in> (public sector units > Bharat Heavy Electricals Limited page) under Enquiry reference "2621000154".

Tenders should reach us before 14:00 hours on the due date
Tenders will be opened at 14:30 hours on the due date
Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present

Yours faithfully,
For BHARAT HEAVY ELECTRICALS LIMITED

Sr. Manager / Capital Equipment / MM

Specification for Medium Voltage Power Cable (Copper)

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Supply of Medium Voltage,rubber insulated flexible, unarmoured Power Cable conforming to the specification given below.			
1.0	Medium Voltage Power Cable:			
1.1	Nominal area of conductor	50/ 95 sq.mm as specified in the scope of supply		
1.2	Number of cores	3.5 core as specified in the scope of supply with RVB core color identification		
1.3	Conductor	Stranded, Circularshaped, annealed copper as specified in the scope of supply.		
1.4	Voltage rating	1.1KV, 50Hz, a.c		
1.5	Dielectric Insulation	Rubber insulation Silicon/EPR		
1.6	Innersheath	CSP inner sheathed Nylon braided		
1.8	Outersheath	CSP outer sheathed		
1.9	Conformance to Indian Standard specification	IS-9968(Part-I)		
2.0	Technical leaflet of the cable indicating the approx. diameter, weight, thickness of insulation/ sheathing/ current rating etc. to be enclosed with the offer.	Vendor to confirm with data sheet		
3.0	General Features of the M.V.Cable:			
3.1	Cable shall have the manufacturer name embossed/ printed/ indented on the outer sheath at regular intervals.	Vendor to confirm		
3.2	Cable shall have Voltage grade, cable size embossed on the outer sheath.	Vendor to confirm		
3.3	Routine tests shall be conducted on the cables as per IS and test certificate shall be produced	Vendor to confirm		
3.4	Make of the cable. Reputed make acceptable to BHEL.	Vendor to specify		
4.0	Reference List/ Qualifying Conditions:			
4.1	Only those vendors who have supplied referred or higher size cables should quote.	Vendor to specify		
4.2	Information about the customers to whom referred cables have been supplied is to be submitted for qualification of the offer.	Vendor to specify		

4.2	The cable offered should have been 'Type Tested' as per IS: 9968 part-I, in any one of the approved laboratory like CPRI, ERDA. Copy of the 'Type Test Certificate' should be enclosed along with the offer for acceptance of the make of the cable offered.	Vendor to specify		
4.3	The various tests that would be conducted as part of Routine test and the laboratory facilities available in the manufacturing plant for conducting those tests should be mentioned in the offer.	Vendor to specify		
5.0	Scope of Supply	Quantity		
5.1	3.5 core, 95 sq.mm copper unarmoured PVC cable as specified above	500 mtrs		
5.2	3.5 core, 50 sq.mm copper unarmoured PVC cable as specified above	500 meters		
5.3	3.5 core, 25 sq.mm copper unarmoured PVC cable as specified above	500 meters		
5.4	3.5 core, 16 sq.mm copper unarmoured PVC cable as specified above	750 Metres		
5.5	4 core 2.5sq.mm PVC insulated, unarmoured annealed electrolytic copper conductor core colored PVC sheathed Voltage grade 650/1100 as per IS cable IS 694/1990. round cable.	3000 mtr		
5.6	4 core 1.5sq.mm PVC insulated, unarmoured annealed electrolytic copper conductor core colored PVC sheathed Voltage grade 650/1100 as per IS 694/1990. round cable.	3000 mtr.		

Specification for Medium Voltage Power Cable				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Supply of Medium Voltage, XLPE insulated conductor, PVC inner & outersheathed insulation , armoured Power Cable conforming to the specification given below.			
1.0	Medium Voltage Power Cable:			
1.1	Nominal area of conductor	4/ 6/ 10/ 25/ 50/ 185 sq.mm as specified in the scope of supply		
1.2	Number of cores	3.5 core/ 4 core as specified in the scope of supply. Cores identified with different colours		
1.3	Conductor	Stranded, Circular/ shaped, Aluminium as specified in the scope of supply.		
1.4	Voltage rating	1.1KV, 50Hz, a.c		
1.5	Conductor Insulation	Insulation material XLPE as per IS -7098, Part-I		
1.6	Innersheath	PVC innersheath- Type ST2 as per IS-5831 -Black colour		
1.7	Armouring	Galvanized steel wire/ strip armouring as per IS-3975 & IS-7098		
1.8	Outersheath	General purpose, PVC compound outersheath - Type ST2 as per IS-5831 -black colour		
1.9	Conformance to Indian Standard specification	IS:7098(Part 1)/IS-5831		
2.0	Technical leaflet of the cable indicating the approx. diameter, weight, thickness of insulation/ sheathing/ armour wire, current rating etc. to be enclosed with the offer.	Vendor to confirm		
3.0	General Features of the M.V.Cable:			
3.1	Cable shall have the manufacturer name embossed/ printed/ indented on the outer sheath at regular intervals.	Vendor to confirm		
3.2	Cable shall have Voltage grade, cable size embossed on the outer sheath.	Vendor to confirm		

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
3.3	Routine tests shall be conducted on the cables as per IS and test certificate shall be produced	Vendor to confirm		
3.4	Make of the cable. Reputed make acceptable to BHEL.	Vendor to specify		
4.0	Reference List/ Qualifying Conditions:			
4.1	Only those vendors who have supplied referred or higher size cables should quote.	Vendor to confirm		
4.2	Information about the customers to whom referred cables have been supplied is to be submitted for qualification of the offer.	Vendor to furnish		
4.2	The cable offered should have been 'Type Tested' as per IS: 1554 part-I, in any one of the approved laboratory like CPRI, ERDA. Copy of the 'Type Test Certificate' should be enclosed along with the offer for acceptance of the make of the cable offered.	Vendor to confirm		
4.3	The various tests that would be conducted as part of Routine test and the laboratory facilities available in the manufacturing plant for conducting those tests should be mentioned in the offer.	vendor to confirm		
5.0	Scope of Supply	Quantity		
5.1	3.5 core, 185 sq.mm aluminium armoured PVC cable as specified above	20000 Meters		
5.2	3.5 core, 50 sq.mm aluminium armoured PVC cable as specified above	7000 Meters		
5.3	3.5 core, 25 sq.mm aluminium armoured PVC cable as specified above	10000 Meters		
5.4	4 core, 10 sq.mm aluminium armoured PVC cable as specified above	7000Meters		
5.5	4 core, 6 sq.mm aluminium armoured PVC cable as specified above	7000meters		
5.6	4 core, 4 sq.mm aluminium armoured PVC cable as specified above	7000 meters		