



## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

An ISO 9001  
Company

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

<b>ENQUIRY</b>	Phone: +91 431 257 79 38 Fax : +91 431 252 07 19 Email : <a href="mailto:tvenkat@bheltry.co.in">tvenkat@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
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	<b>Enquiry Number:</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
	<b>2620800005</b>	<b>05.02.2008</b>	<b>06.03.2008</b>
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order			

Item	Description	Quantity	Delivery (Item required at BHEL on)
10	3 Core, 11KV, 240 Sq.mm Power Cable as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	7000 Mtrs	30.06.2008

**BHEL commercial terms & conditions with Price Bid and Bank Guarantee formats along with technical specifications 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 “2620800005”.**

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

Manager / Capital Equipment / MM

Specification for 3 core, 11KV, 240 sq.mm Power Cable				
Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
	Supply of High Voltage, XLPE insulated, PVC inner/ outersheathed, armoured Power Cable conforming to the specification given below.			
1.0	<b>High Voltage Power Cable:</b>			
1.1	Nominal area of conductor	240 sq.mm		
1.2	Number of cores	3 core		
1.3	Voltage rating	11KV, 50Hz, a.c		
1.4	Type of system	Unearthed		
1.5	<b>Conductor</b>			
1.5.1	Material	Stranded, circular, Aluminium conductor as per IS 8130-1984		
1.5.2	Conductor screen material	Non-metallic semiconducting tape or extruded semiconducting material		
1.6	<b>Insulation</b>			
1.6.1	Material	XLPE as per IS:7098-Part 2-1985		
1.6.2	Nominal thickness of insulation in mm	5.5		
1.6.3	Core identification	Coloured strips applied on the core		
1.6.4	Insulation screen	Extruded semiconducting material		
1.6.5	Metallic copper tape	Copper tape wrapped with suitable overlap on each core		
1.7	<b>Innersheath</b>			
1.7.1	Material	PVC innersheath		
1.7.2	Nominal thickness of innersheath in mm	0.7mm		
1.8	<b>Armour</b>			

Sl.No.	Description for BHEL Requirement	Specified/ To be confirmed by	Offered	Deviations
1.8.1	Material & Type	Galvanized flat steel strip armouring		
1.8.2	Nominal strip size in mm	4x0.8		
1.9	<b>Outersheath</b>			
1.9.1	Material	PVC compound Type-ST2 as per IS:5831-1984		
1.9.2	Minimum thickness in mm	2.84		
1.10	Conformance to Indian Standard specification	IS:7098 (Part 2) -1985		
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 furnish		
3.0	<b>General Features of the H.V.Cable:</b>			
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 against supply	Vendor to confirm		
3.4	Make of the cable- Reputed make acceptable to BHEL	Vendor to specify.		
3.5	Length variation in the quantity of supply, if any	Vendor to specify.		
4.0	<b>Reference List/ Qualifying Conditions:</b>			
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		
5.0	<b>Scope of Supply</b>	<b>Quantity</b>		
5.1	3 core, 240 sq.mm aluminium, armoured, 11KV, XLPE cable as specified above	<b>7000 meters</b>		