



# Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

An ISO 9001  
Company

<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>

	<b>Enquiry Number:</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
	<b>2620800045</b>	<b>25.06.2008</b>	<b>25.07.2008</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	300 KVAR Automatic Power Factor Control Panel 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> )	12 Nos.	31.08.2008

**Note:**  
**The Equipment shall be Guaranteed for a period of 12 months from the date of Commissioning or 18 months from the date of despatch whichever is earlier. Please confirm your acceptance in your offer.**

**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 “2620800045”.**

<p>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</p>	<p>Yours faithfully,  <b>For BHARAT HEAVY ELECTRICALS LIMITED</b></p> <p>Manager / Capital Equipment / MM</p>
---	---

**Specification for Automatic PF Improvement Capacitor Panel**

<b>SI.No.</b>	<b>Description for BHEL Requirement</b>	<b>Specified / To be confirmed by</b>	<b>Offered</b>	<b>Deviations if any</b>
	Supply and commissioning of Automatic Power Factor Improvement Capacitor Panel as specified below:			
1.0	Capacitor Bank Rating	300 KVAR		
1.1	No. and rating of capacitor stages, type	Vendor to specify		
1.2	Type and make of capacitor	Vendor to specify		
1.3	The dielectric in the capacitor should be eco friendly and easy for disposal at the end of life under environmental concerns.	Vendor to confirm		
1.4	Rated Voltage	415V +/- 10%		
1.5	Rated Frequency	50 HZ		
1.6	System	3 Phase, 4 wire system		
2.0	Type of service	Continuous, indoor operation		
3.0	Automatic PF control	Intelligent Microprocessor based power factor controller		
3.1	Type and make of the APFC controller	Vendor to specify		
4.0	Switching Time	Variable		
5.0	Protection	over voltage		
6.0	Detection and display	overvoltage, overcurrent, harmonics		
7.0	Manual operation	Selectable option		
8.0	Contactors	Capacitor duty contactors.		
8.1	Current rating of the contactor	Vendor to specify		
8.2	Type and make of the contactor	Vendor to specify		
9.0	Digital indication of current and power factor to be provided	Vendor to confirm		

SI.No.	Description for BHEL Requirement	Specified / To be confirmed by	Offered	Deviations if any
10.0	No volt release in the event of power failure to be provided	Vendor to confirm		
11.0	Necessary switchgear, contactors, HRC fuses to be provided	Vendor to confirm		
12.0	Approx. Dimension, weight	Vendor to specify		
13.0	Panel ventilation	Vendor to confirm		
14.0	Max. ambient temperature	45 deg. C		
15.0	Panel shall conform to IER with provision for earthing, fully wired, painted	Vendor to confirm		
16.0	3 sets of O&M manual, with circuit/ wiring diagram to be supplied along with the panel	Vendor to confirm		
17.0	Technical catalogue furnishing the features of the controller, capacitor, contactors and panel shall be enclosed with the offer	Vendor to confirm		
17.1	The capacitor, APFC controller and contactor offered should be reputed make acceptable to BHEL	Vendor to confirm		
18.0	Only those vendors who have supplied and commissioned similar or higher capacity/ size PFI panel and working satisfactorily for at least one year after commissioning should quote.	Vendor to confirm		
19.0	QUANTITY	12nos		