



# Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

<b>ENQUIRY</b>  <b>NOTICE INVITING TENDER</b>	Phone: +91 431 257 76 53 Fax : +91 431 252 00 31 Email : <a href="mailto:skaruna@bheltry.co.in">skaruna@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
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<b>TWO PART BID</b> Tender to be submitted in two Parts	<b>Enquiry Number:</b> <b>2621400030</b>	<b>Enquiry Date:</b> <b>10.07.2014</b>	<b>Due date for submission of quotation:</b> <b>05.08.2014</b>
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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	Quantity
10	Thermocouple (1.5 mm Dia) 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> )	1200 Nos.

### **Important points to be taken care during submission of offer**

1. The rate of EMD for this Tender will be ( INR ) : **1,00,000/-**
2. The Checklist for Acceptance of Commercial Terms & Conditions to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
3. 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/GENL/001-EMD) 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 above Enquiry reference**

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 <b>BHARAT HEAVY ELECTRICALS LIMITED</b>  Sr. Engineer/MM/Capital Equipment
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## **1.5MM DIA THERMOCOUPLE - Specification**

ELEMENT : Chromel Alumel - 'K' Type

SIZE : 1.5mm dia Thermocouple - 6 metre long.

CONFIGURATION : Simplex

SHEATH : SS Sheathed, Mgo filled, Grounded junction.

END CONNECTION : Sub miniature flat pin, SMP type yellow connector. Male/Female set to be given.

Thermocouple end should have male connector.

Thermocouple to connector joint should have shock, vibration and temperature resistant.

GRADE : Special grade

LIMITS OF ERROR : 0 °C To 277 °C error  $\pm 1.1$  °C (maximum)  
277 °C To 1260 °C error  $\pm 3/8\%$  (maximum)

### **Note:**

1. Attached compliance report must be submitted along with offer.
2. One number of sample to be supplied prior to supply.

## **1.5MM DIA THERMOCOUPLE**

### **QUALIFYING CRITERIA**

The BIDDER has to meet the following requirements to get qualified for considering the technical offer

<b>Sl.No.</b>	<b>REQUIREMENTS</b>	<b>VENDOR's RESPONSE</b>
1	Copy of certificate of Manufacturer/'Distributor Authentication Certificate' given by principle should be produced.	
2	The Technical offer should be supported by product Catalogues & Data sheets.	
3	Attached compliance report must be submitted along with offer.	

### COMPLIANCE REPORT

#### THERMOCOUPLE – 'K' TYPE

<b>BHEL SPECIFICATION</b>		<b>VENDOR 'S'CONFIRMATION OFFER</b>	<b>DEVIATION IF ANY</b>
1	ELEMENT	Chromel/Alumel -'K'Type	
2	SIZE	1.5mm dia - 6metre long	
3	CONFIGURATION	Simplex	
4	SHEATH	1) SS Sheathed 2) Mgo filled 3) Grounded junction	
5	CONNECTOR DETAILS	1) Subminiature flat pin, SMP type yellow connector. 2) Male/Female set to be given. 3) Thermocouple end should have male connector 4) Thermocouple to connector joint should have shock, vibration and temperature resistant.	
6	GRADE	Special grade	
7	LIMITS OF ERROR	0 °C To 277 °C error ± 1.1 °C (maximum) 277 °C To 1260 °C error ± 3/8% (maximum)	

Note: Vendor has to fill and submit this form separately against all the model for which they are submitting offer.  
For each model, vendor has to submit separate form.