



**BHARAT HEAVY ELECTRICALS LIMITED**

(A Govt. of India Undertaking)

**ELECTROPORCELAINS DIVISION**

**PROF. C.N.R. RAO CIRCLE, SCIENCE INSTITUTE POST  
Malleswaram, Bangalore - 560 012, INDIA**

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Grams : PORCELAIN

06.6.2014

BHEL/EPD (A Govt. of India Enterprises) is desirous of procuring 2 nos. of Thermal Expansion Apparatus as per enclosed specification

The suppliers with sound technical and financial capabilities can submit their offer in two part bid (Techno-Commercial bid and Price in two different sealed covers) put in a common 3<sup>rd</sup> sealed cover super scribing tender reference no. and due date.

Techno commercial bid will be opened on the below mentioned due date in presence of the bidders who may like to be present or their representatives.

The offer should be submitted reach the tender box named BHEL-EPD in reception by 13.00 hrs on due date mentioned below addressed to:.

**AGM/MM**

Bharat Heavy Electricals Ltd

Electro Porcelains Division

PB No: 1245, Science Institute Post

Bangalore – 560 012

1. Tender number: **TEA/ LAB/ 2014**

2.. **Last date of receipt of OFFER :13.00 hrs on 28-06-2014 at EPD, Bangalore**

5. **TC will be opened on : 28-06-2014 at 14.30 hrs at EPD,Bangalore.**

Please go through the contents carefully and only the OFFER along with other details as mentioned in this NIT (Notice inviting tender)

**FOR ANY QUIRY PLEASE CONTACT THE FOLLOWING PERSONS**

Email: [elan@bhelepd.com](mailto:elan@bhelepd.com) , [karthik@bhelepd.com](mailto:karthik@bhelepd.com)

Phone: 080 22182306 Mob: 9945599672 Name: Elangovan.A

Phone: 08022182342 Mob: 9448451382 Name : Karthykeyan.B.S



### Thermal Expansion Apparatus- Percentage Linear Change

Temp. Range	:	RT to 1000 ~ Deg C
Type of Furnace	:	Split Type / No Split
Type of Detection	:	Dial Gauge- Analog Type or Digital With minimum reading of 0.01mm
Power supply	:	230V
Sample Holder& Probe	:	Fused Silica or equivalent
Heating element	:	Kanthal or equivalent
Thermocouple	:	K - Type
Sample Size used for testing	:	10 ~12mm dia X 50 mm long
Temperature uniformity	:	< 2 Deg C over Sample Length
Power Controls	:	Temp. Display. PID Programmer, Voltage regulator
Heating rate	:	Manufacturer to specify

- ***The type of samples that would be tested is: Ceramic – Green and Fired, Fired Glaze specimen.***
- The performance of the equipment should be proved with a standard sample.
- Supplier can offer one single unit capable of measuring more than 2 samples in one unit. Supplier is free to offer single units. However, the evaluation would be done considering the value equivalent to SINGLE UNIT. Supplier is requested to specify the cost breakup as follows:
  1. The offer with Split type furnace / Standalone Furnace
  2. The sensing device like Dial Guage analog type.
  3. The data output capabilities should be offered separately.

*R. K. G.*

**PROCEDURE FOR SUBMISSION OF SEALED TENDERS**

Bids shall be submitted latest by 14:00 hrs. on due date in a sealed cover separately with bidder's seal super scribed with "Tender Enquiry No. due date of opening" in two separate envelopes (i.e. Techno-commercial bid & Price bid) which will be put in a common third envelope, for each bid submitted independently, as follow:

PART – 1: Techno – Commercial Bid

PART – 2: Price Bid

The offer should be submitted in a sealed cover as mentioned in above and it should reach in tender box named BHEL-EPD kept in reception by 14:00 hrs. on due date addressed to:

**HOD/MM**

**Bharat Heavy Electricals Ltd**

**Electro Porcelains Division**

**PB No: 1245, Science Institute Post**

**Bangalore – 560012**

**TECHNICAL & COMMERCIAL BID – PART "1"****(A) Scope of work**

Please refer scope of work attached with enquiry.

- Material to be supplied as per drawing/specification only. Any assumption or approximate or deviation should be brought out in the separate deviation sheet only. If you have not quoted as per our drawing/specification, your offer is liable for rejection.

**(B) Bid Opening**

Part-1 (Techno-Commercial Bids) only will be opened at 14:30 hrs on due date in the presence of bidders who may like to be present or their representatives. Date & Time for opening of Part-2: Price Bid / Online Bid will be intimated separately to the shortlisted technically & commercially qualified bidder.

Price bid of unsuccessful vendors will be returned either by post or by courier.

**(C) Delivery Term**

The price quoted should be on F.O.R. BHEL-EPD-STORES (Bangalore-12).

**(D) Delivery Period**

Delivery period shall be within one month from the date of PO placed.

**(E) Terms of Payment**

30 days credit after receipt & acceptance of material at BHEL EPD Stores.

**(F) Performance Bank Guarantee (PBG)**

PBG of 10% of material value (basic value) to be submitted by successful vendor before dispatch valid for a period of 24 months from the date receipt of material at EPD along with claim period of 3 months from the date of validity period of PBG.

**(G) Loading**

Interest @ 16.75% (SBI PLR rate+2%) per annum will be loaded for the differential credit period (Specified credit period offered by supplier) and the differential amount (amount of payment specified-amount of

payment asked for in the offer stage-wise). In case, the delivery basis stipulated by the Tender is different from that sought for, loading for the corresponding elements viz: freight, insurance etc. shall be made as per prevailing BHEL contract rates existing as on the date of tender opening. No deviation is allowed regarding delivery and payment terms. This is for ranking purpose only.

**(H) Testing & Inspection**

Inspection of the materials will be conducted by BHEL either on its receipt at BHEL or at vendor's place. In case of pre-dispatch inspection one week prior notice has to be given by the vendor for deployment of BHEL's personnel. BHEL reserves the right to review the quality plan of the manufacturer and access to process data of the manufacturer. All necessary test & calibration certificates should accompany supply.

**(I) Late Delivery Charges**

In case of delayed delivery, late delivery charges @0.5% per week up to a maximum of 10% will be levied on the defaulting quantity for the delayed period as per the corresponding PO. In case vendor not accepting 10% late delivery charges, difference will be loaded on the quoted price.

**(J) Guarantee Period**

The Seller/Contractor shall warrant that the stores supplied shall be free from all defects and faults in design & engineering, material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards and in full conformity with the Order/Contract specifications, drawing or samples, if any.

Equipment shall be guaranteed for a period of 18 months from the date of receipt of material at site or 12 months from the date of commissioning whichever is earlier.

**(K) Risk Purchase**

BHEL at its option will be entitled to terminate the contract and/or purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the seller fails to deliver within the stipulated time. The seller shall be liable for any loss, which BHEL may sustain by such risk purchases. The loss may be recovered from the vendor's outstanding bills with the concerned unit or any sister unit.

**(L) Other Conditions**

Test certificate, Guarantee Certificate and Instruction Book are to be supplied along with the supply.

**(M) Arbitration**

Settlement of dispute, if any arises, at any time between the BHEL and the vendors upon or in relation to or in connection with the vendor, the same shall be referred to the sole arbitration of the head of BHEL unit or to person appointed by him. The award of the arbitrator shall be final and binding on both BHEL and the vendor.

**(N) Legal Jurisdiction**

In case of any legal proceedings, area of jurisdiction will be Bangalore in case of EPD.

**(O) Validity of Rates**

Bid, including Prices, should be valid at least for 90 days from the opening of price bid or till the completion of supply whichever is later.

**(P) Company Profile**

**ANNEXURE 'I'**

**Declaration**

I / We hereby declare that I / We have not been banned and de-listed by any PSU / Government Department / Financial Institution / Court for participating in any tender.

Signature  
(Name & Address of the Bidder with official seal)

Place:

Date:

Parties should be registered with the concerned excise & sales tax authorities and should quote relevant registration no. The copies of the same must be enclosed in the offer. Audited financial results of previous 2 financial years should be furnished.

**(Q) Deviations**

A separate sheet indicating deviations in technical specification, commercial terms and conditions to be enclosed in part – '1' (i.e. Techno-Commercial Bid) of the offer. If there are no deviations same has to be certified and duly signed by the vendor.

**(R) Clarifications sought by BHEL during Technical & Commercial evaluation**

In case BHEL asks for any clarification, the vendor has to submit the same within the specified date otherwise the offer will be evaluated considering the clarifications, if any received as on the specified date. No grace period or late submission is allowed.

**PRICE BID – PART "2"**

Please refer price format attached with enquiry.

- Packing, forwarding, insurance charge (transit risks), taxes & duties (V.A.T./C.S.T./Excise duty) etc. if extra applicable are to be stated clearly. If included in the price, it must be stated clearly. In such a case, ED components must be mentioned, wherever applicable, in order to avail MODVAT. CR or VAT will be reimbursed only if the relevant valid documents are furnished.

**(S) Price Impact**

In case, out of techno-commercial discussion has any price implication, only corresponding price impact is to be submitted by the vendor in a sealed cover within the specified date.

**(T) Price Evaluation**

Prices shall be considered on total landed cost basis (cost to BHEL). Landed cost shall be worked out on price quoted including freight, excise duty, and sales tax after taking out CENVAT and VAT benefit, as applicable. The comparative statement shall be worked out **on landed cost basis (Full package)** i.e. supply plus commissioning charges if any.

- The comparative statement of the prices prepared on the reference date shall remain firm throughout the execution period. Any change in duty & tax structure during execution of the contract will not be considered for re-ranking of vendors.
- The lowest price received against BHEL tender need not be commercially lowest price (L1).
- BHEL reserves the right/option to refloat the tender if L1 price is not the lowest acceptable price to BHEL.
- Kindly note that if you are registered under MSMED Act 2006, confirm the same in your quotation and submit the latest valid certificate for micro, small & medium enterprises (MSME) and for the SC/ST ownership, if any, for availing benefits as per the act.
- BHEL wishes to **encourage the participation of micro and small scale enterprises (M&SE).**
- In case L1 vendor is not a micro & small enterprises, 15% purchase preference will be given to the other M&SE for ordering up to 20% of the tender quantity, provided the MSE matches the L1 price. In case of more than one such M&SEs, the share of 20% will be distributed proportionately.
- 4% of our total procurement is earmarked for procurement from micro and small enterprises owned by SC/ST. In the event there is no participation from such micro and small scale enterprises. The same shall be met through other M&SEs.

**ANNEXURE 'J'**

**Acceptance Certificate**

We hereby accept all terms and conditions of the above tender.

Signature

With name, Designation & seal of the firm

Place:

Date:

**ANNEXURE 'K'**

**Essential Criteria of Techno-Commercial offer (to be submitted by vendor after dully filled up along with techno-commercial offer i.e part-1)**

ADDRESS OF THE FIRM:

SL.NO	PARAMETER	BHEL SPEC/REQUIREMENT	VENDOR OFFER
1	Name of Contact person	TO BE MENTIONED	
2	E-mail ID	TO BE MENTIONED	
3	Mobile number	TO BE MENTIONED	
4	Land line number	TO BE MENTIONED	
5	Fax number	TO BE MENTIONED	
6	Delivery Term	F.O.R-BHEL EPD STORES	
7	Payment terms	APPLICABLE AS PER NIT CLAUSE	
8	Performance Bank Guarantee	APPLICABLE AS PER NIT CLAUSE	
9	Late Delivery	APPLICABLE AS PER NIT CLAUSE	
10	Risk purchase clause	APPLICABLE AS PER NIT CLASE	
11	Capacity/capability to execute this job	AS PER VENDOR CAPACITY	
12	Delivery period	Within One Month from the date of PO placed.	
13	Offer validity	APPLICABLE AS PER NIT CLAUSE	
14	Guarantee Period	APPLICABLE AS PER NIT CLAUSE	
15	Tax and Duty Structure	EXCISE DUTY %	
		E C	
		CESS%	
		CENTRAL SALES TAX%	
		VAT %	
		ANY OTHER	

SIGNATURE OF THE TENDERER WITH SEAL

**“MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed as per Annexure - I) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents”.**

Annexure - I**Certificate by Chartered Accountant on letter head**

This is to Certify that M/S .....  
 (hereinafter referred to as 'company') having its registered office at  
 ..... is registered under MSMED Act 2006, (Entrepreneur  
 Memorandum No (Part-II) ..... dtd:.....,  
 Category: ..... (Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on  
 date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :  
 Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:  
 Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of  
 Rs.....Lacs for .....Micro / Small (Strike off which is not applicable)  
 Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant

For your convenience, we are giving sample calculation for arriving at "Cost to BHEL" below.

### PRICE BID FORMAT

#### APPLICABLE WHERE CST IS PAYABLE

Guidelines to calculate cost to BHEL/Landed Cost

SL NO	Description	Example	
A	Basic price F.O.R Destination (PER EACH)		
B	Excise Duty on basic		
C	Cess on Excise duty		
D	E Cess on Excise duty		
E	<b>Sub total of above</b>		
F	CST on SI No E		
G	<b>Sub total (E+F)</b>		
H	LESS:CENVAT CREDIT(B+C+D)		
I	<b>COST TO BHEL/LANDED COST PER EACH</b>		

#### APPLICABLE WHERE LOCAL VAT IS PAYABLE

Guidelines to calculate cost to BHEL/Landed Cost

SL NO	Description	Example	
A	Basic price F.O.R Destination (PER EACH)		
B	Excise Duty on basic		
C	Cess on Excise duty		
D	E Cess on Excise duty		
E	<b>Sub total of above</b>		
F	VAT on SI No E		
G	<b>Sub total of above</b>		
H	Less:VAT credit on SI No F (69%)		
I	Less:MODVAT CREDIT(B+C+D)		
J	<b>COST TO BHEL/LANDED COST PER EACH</b>		