



An ISO 9001  
Company

## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

<b>ENQUIRY</b>	Phone: +91 431 257 7653 Fax : +91 431 252 0031 Email : <a href="mailto:skaruna@bheltry.co.in">skaruna@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
<b>NOTICE INVITING TENDER</b>	

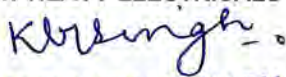
<b>TWO PART BID</b>	<b>Enquiry Number:</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
Tender to be submitted in two parts	<b>2631500020</b>	<b>08.10.2015</b>	<b>02.11.2015</b>
<p>You are requested to quote the Enquiry number, date and due date in all your correspondences. This is only a request for quotation and not an order.</p> <p>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.</p>			

Item	Description	Quantity	Delivery
10	Dry Block Furnace as per the technical specification, BHEL commercial terms & 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> )	1 No.	29.02.16

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

1. Compliance Form to be duly filled and enclosed along with your 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 including bank guarantee formats and list of consortium banks, commercial compliance form 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 "2631500020".

<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, For BHARAT HEAVY ELECTRICALS LIMITED</p>  <p><b>KUMAR GAUTAM SINGH</b> Senior Engineer MM / Capital Equipment BHEL, TRICHY - 620 014.</p>
---	---

**Part-A**  
**Pre-Qualification Criteria for Dry Block Furnace**

S.N.	Pre- Qualification Criteria	Vendor's compliance
1	The BIDDER shall be OEM (or) OEM Authorised dealers.	
2	In case if the BIDDER is an OEM Authorised dealer, then he has to submit a valid certificate/authorization letter from the Authorized Representative of the OEM to quote exclusively for this specific tender.	
3	<p>The vendor should also submit following details which are necessary for qualifying their offer.</p> <p>a) Documentary evidence of previous Purchase Order for any of the Dry Block Furnace that they have supplied. The PO copy should be on the name of the Bidder.</p> <p>b) Name and postal address of the customer or company where they have supplied any of the Dry Block Furnace.</p> <p>c) Name, designation, contact phone number and email address of the contact person of the customer.</p> <p>d) Month &amp; year of supply.</p> <p>e) BHEL reserves the right to verify the information provided by the Bidder. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.</p>	

*S. Suresh*

**S. SURESH**  
Senior Engineer  
Maintenance & Services  
BHEL TRICHY - 620 014.

**Part-B**  
**Technical Specification for Dry Block Furnace**

S.N.	BHEL Technical Specification:	Vendor's compliance
1	Item description: Thermocouple calibration furnace, Bench type, Horizontal furnace.	
2	Temp. Range : 200°C to 1200°C.	
3	Type of control : Thyristor control	
4	Time to Reach Max Temp. : not more than 2hrs	
5	Stability : ± 1° C or better	
6	Stabilization time: should be less than or equal to 20 minutes.	
7	Temperature Uniformity: +/- 1°C of entire thermal block.	
8	Material of equalizing Thermal block : vendor to specify (Sintered Alumina 710/C-799/Recrystallized Silicon Carbide)	
9	Size of equalizing Thermal block : vendor to specify	
10	No of insert : 8 inserts @ 20 mm dia for Thermocouples and 1 insert in centre with 8mm of dia for reference thermocouple.	
11	Insertion depth for thermocouple : 100mm minimum	
12	Type of heating element: Kanthal A1	
13	Temperature sensor : Pt. /Rh-Pt.(R type)	
14	Thermocouple accuracy= 0.25% reading	
15	Power supply : 230 VAC 50 Hz	
16	Capacity of furnace in Kw : Vendor to specify	
17	Furnace Dimensions : Vendor to specify	
18	No of controller: 2 no's (Furnace temperature controller - 1 no. + Safety controller - 1 no.).	
19	Safety System : Suitable Main switch, fuse, earthing, Lamp indication for Main ON/OFF, indication lamp for controller ON/OFF etc. to be provided	

  
**S. SURESH**  
 Senior Engineer  
 Maintenance & Services  
 BHEL, TRICHY - 620 014.

S.N.	BHEL Technical Specification:	Vendor's compliance
20	<b>Furnace temperature controller</b>	
20.1	Type of Furnace temp. Controller: Microprocessor based programmable PID controller.	
20.2	Make/Model : Eurotherm, Chino, Honeywell	
20.3	Input : Universal input (User selectable)	
20.4	Range : Configurable	
20.5	Mounting : Panel	
20.6	Panel cut out size : 92X92 mm (approx)	
20.7	Control output : 4 to 20 mA to operate Thyristor control of the furnace.	
20.8	Display: Simultaneous colour display of PV, SV with units & output.	
20.9	Operating ambient : 0 - 50° C, 5 - 95 % RH	
20.10	Front panel configuration : Easy, on-site set up	
20.11	Temperature resolution: 0.1° C	
20.12	Accuracy: Better than or equal to 0.25% of deg. or 1° C	
20.13	Program pattern : 4 program with 16 segments each configurable for Ramp, Soak, & Dwell.	
20.14	Cold junction compensation : Automatic	
20.15	Power supply : 100 to 230 V. AC/ 50 Hz.	
20.16	Auto tuning : To be provided to perform precision control.	
20.17	Calibration facility : Standard calibration facility for error adjustment to be provided.	
20.18	Configuration & setting: Through front panel Keys	
20.19	Front Panel key: Membrane keypad/ Bezel keypad (miniature switch cover with sheet is not acceptable.)	
20.20	Self-seeking set point: In case of power failure, after resuming power it will automatically start from process temperature and the corresponding segment.	



**S. SURESH**  
Senior Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.

S.N.	BHEL Technical Specification:	Vendor's compliance
21	<b>Controller: Safety temperature controller</b>	
21.1	Type: Microprocessor based ON/OFF controller	
21.2	Mounting : Panel mounting	
21.3	Input : Universal input (User selectable)	
21.4	Range : Configurable	
21.5	Accuracy: Better than or equal to 0.25% of reading. or 1°C	
21.6	Ambient Temperature : 20°C to 50°C	
21.7	Output type : Relay	
21.8	Relay output capacity: 230V AC, 2A	
21.9	Power supply : 230V/50 HZ	
21.10	CJ Compensation : To be provided	
21.11	Configuration & setting: Through front panel Keys	
21.12	Panel cut out size : 46x46mm (approx)	
21.13	Thermocouple burnt out protection: Upscale	
21.14	Calibration facility : Standard calibration facility for error adjustment to be provided.	



**S. SURESH**  
Senior Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.

S.N.	BHEL Technical Specification:	Vendor's compliance
22	<b>PERFORMANCE PROVE OUT</b>	
22.1	Pre-dispatch Inspection : Performance proveout will be carried out by BHEL Engineer at suppliers works.	
22.2	Installation and Inspection at BHEL, Trichy Works: Complete installation and commissioning of the furnace with suitable control panel is under vendor's scope. Vendor has to prove out the performance of the furnace characteristics as per specification. Any other items to complete the total system are under vendor's scope.	
22.3	Warranty: 1 years warranty period should be provided from the date of acceptance by BHEL.	
22.4	Packaging : Packaging should be sound to avoid any transit damages to the fragile parts.	
23	<b>The following Documents should be supplied with the furnace</b>	
23.1	Calibration Certificate: NABL accredited calibration certificate shall be provided for temperature controllers, scanner and thermocouple.	
23.2	Material Test Certificate shall be provided for equalising thermal block.	
23.3	Operation and maintenance manual with exploded view of furnace.	
23.4	Operation and maintenance manual of programmable controllers, Safety controller and Temperature scanners.	
23.5	Operation, Maintenance and Calibration procedure of Thyristor control system.	
23.6	Specification of all brought Items with supplier address	



**S. SURESH**  
Senior Engineer  
Maintenance & Services  
BHEL, TRICHY - 620 014.



An ISO 9001 Company

**Bharat Heavy Electricals Limited**  
(High Pressure Boiler Plant)  
Tiruchirappalli-620014, Tamil Nadu, India  
MM/CAPITAL EQUIPMENT

MM/CE / GENL/001-NO EMD

**GENERAL GUIDELINES & INSTRUCTIONS TO BIDDERS FOR SUBMITTING OFFER**

**Vendors are requested to read the following points / guidelines / instructions and ensure that the offer is prepared and submitted strictly as per the requirements. Offers with insufficient details would not be considered for evaluation. The following points / guidelines / instructions are part and parcel of the tender and non-compliance will result in rejection of offer.**

**NOTE: MSE VENDORS MAY PLEASE REFER SL.NO.6 OF THIS DOCUMENT FOR THE SPECIAL PROVISIONS APPLICABLE TO THEM AS PER GOVERNMENT DIRECTIVES.**

<b>1.0</b>	<b>QUOTATIONS</b>
------------	-------------------

Considering the nature of procurement which requires a good amount of technical details, brochures, catalogues etc., to be submitted along with the offer as well as the confidentiality required to be maintained during the offer evaluation process, bidders are requested to submit their offers only through sealed bids. As the part II (the price bid) would not be opened before the technical evaluation is completed, bidders are requested not to submit their bids through email / fax etc.

Bidders shall submit the offer in **TWO PARTS** as indicated below which shall be sealed in one outer envelope.

**Part I consists of two inner envelopes and put in a sealed cover and super scribed as**

**PART I - TECHNICAL AND UN-PRICED COMMERCIAL BID**

This sealed envelope must contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "**Part I - Technical and Un-priced commercial bid**", indicating Enquiry No., Due Date, Address & Reference of the Bidder.

**Part II**

This sealed envelope should contain **price details**. This envelope should be clearly marked "**Part II - Price bid**", indicating Enquiry No., Due Date, Address & Reference of the Bidder

Both the envelopes (Part I & II) shall be put in one cover, duly sealed, superscribing as **PART I AND PART II** indicating Enquiry No., Due Date, Address & Reference of the Bidder.

The above tender (envelope containing Part I & II) should reach this office on or before the due date by **14.00 Hrs (IST)**. Tenders received after 14.00 Hrs (IST) will not be considered for evaluation.

Tender should not be addressed to any Individual's name but only by designation to:

**DGM / MM / CAPITAL EQUIPMENT**  
**1<sup>st</sup> FLOOR – INFORMATICS CENTRE BUILDING (EDP BUILDING),**  
**BHARAT HEAVY ELECTRICALS LIMITED**  
**HIGH PRESSURE BOILER PLANT**  
**TIRUCHIRAPALLI – 620 014**  
**TAMIL NADU, INDIA**

Tenders should be free from **CORRECTION AND ERASURES**, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

Tenders should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in **ENGLISH** or otherwise, the tenders will not be considered for evaluation.

**Tenders will have to be submitted by the Original Equipment Manufacturer only. Offers, if submitted by authorised agents of OEM/ Dealers should be accompanied by a VALID AUTHORISATION LETTER ISSUED BY THE OEM.**

**If the past performance of a vendor in any of the previous Purchase orders/contracts/in any projects, of BHEL Units, and NON-BHEL, is not satisfactory BHEL then reserves the full right to reject such offers of those vendors straightaway irrespective of their suitability and will not be considered for further processing of the tender.**

<b>2.0</b>	<b>PART I (TECHNICAL &amp; UN-PRICED COMMERCIAL BID)</b>
------------	--

<b>2.1</b>	<b>Technical</b>
------------	------------------

This part shall include / indicate the following:

2.1.1	Tenders should contain complete scope of supply with all technical details, specifications, delivery and other commercial terms and conditions.
2.1.2	Point by point confirmation for the Technical Specification enclosed is to be provided. If there are any deviations, the same should be clearly specified. Tenders received without confirmation to our specification will be rejected.
2.1.3	List of customers to whom same or similar equipment have been supplied along with performance certificates are to be enclosed.
2.1.4	Relevant catalogues to be attached
2.1.5	List of spares parts (with part numbers) for two years operation and maintenance should be attached.
2.1.6	Information on shipping weight and cubage (length, width & height) to be provided.

<b>2.2</b>	<b>Un-Priced Commercial</b>
------------	-----------------------------

This part shall include / indicate the following:

2.2.1	Acceptance of commercial terms and conditions by the bidders (in the <b>compliance form</b> enclosed)
2.2.2	Port of shipment / Station of despatch
2.2.3	Terms of payment

2.2.4	CFR price (for foreign bidders) / F.O.R.BHEL works as required in the <b>compliance form</b> (attached with this Tender)
2.2.5	Taxes, Service tax & duties including cess applicable.
2.2.6	Delivery Schedule from the date of Purchase Order
2.2.7	Offer validity
2.2.8	Country of origin
2.2.9	Currency in which the price has been indicated.
2.2.10	Percentage of agency commission if any along with a copy of Agency agreement. The CFR prices quoted shall include the agency commission.
2.2.11	A copy of the Price Bid <b>without the price details</b> to be enclosed. (UNPRICED BID)

### **3.0 OPENING OF TENDERS**

#### **PART I**

Technical & Un-priced commercial bid would be opened on the Tender opening date.

**PART II** – The Technical Bid received (under Part I) would be evaluated and bidders qualifying alone will be considered for further processing. BHEL would proceed with Price Bid opening route for finalizing the tender, which would be intimated to the qualified bidders after completion of the techno-commercial evaluation.

### **4.0 DEFINITIONS & OTHER TERMS**

**Fixed price:** Prices quoted by the bidder shall be fixed and not subject to any escalation whatsoever during the period of bid validity and execution of the Purchase Order. A bid submitted with an adjustable price will be treated as non-responsive and rejected. Prices shall be written in words and figures. In the event of difference, the price written in words shall be valid and binding.

**Bid currency:** Indian bidders should submit the prices only in Indian Rupees. Foreign bidders may submit the bid in their home currency, which should be clearly indicated in the un-priced commercial bid as well as in the price bid.

**Taxes and Duties:** All Taxes, Duties, Service Taxes etc. payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which BHEL will not be liable for payment of such Taxes and Duties. Our TIN No. 33243560005, TNGST No. 3560005, CST. No. 239383 Dt. 11-06-1991 & BHEL ECC No. AAACB4146PXM012, Assessment circle Tiruverambur

In case taxes and duties are indicated as inclusive in the quoted prices, it will be reimbursed only upon furnishing the documentary evidence for having paid such taxes and duties. Any difference in taxes (on account of reduction in the levies) between what has been paid by BHEL to the vendor (based on what has been indicated in the Purchase Order) and actually paid by vendor should be passed on to BHEL.

For services rendered by the foreign vendor in India (like Erection & Commissioning supervision etc.) Income Tax (IT) shall become payable by the Foreign vendor. Hence, foreign bidders are requested to take care of the IT payment during submission of tender.

If the foreign vendor possesses Indian PAN CARD (Permanent Account Number) Registration, the details of the same shall be furnished along with the Un-priced Bid cover

(Part-II) with documentary evidences (PANCARD copy) for Income Tax purposes (concessions).

**Cenvat & VAT credit:** (applicable for Indian Bidders only) the quotation must indicate Tariff item number and rate of Excise Duty applicable. The original Excise Duty Gate Pass will be required to be furnished in case Excise Duty is applicable. If the bidder is availing Cenvat credit for his input materials, the effect of proforma credit should be passed on to BHEL.

**Packing:** The Supplier shall arrange for packing suitably in all respects considering the peculiarity of the material involved for normal safe transport by sea / air / rail / road and suitably protected against effect of tropical salt laden atmosphere in the event of shipment being delayed at ports.

**Salient points of HSE** (Health Safety & Environment) that are to be considered while submission of offer are:

- Consumption benchmarks related to output shall be provided wherever applicable for key input resources (energy/fuel/chemicals)
- Competency requirements for operation, maintenance and calibration, if any, shall be communicated
- If any hazardous chemicals as per MSIHC (Manufacturing, Storage and import of such Hazardous Chemicals) Rules 1989/94/2000 are used, the MSDS shall be provided along with On site & Off site emergency plan (as applicable)
- The noise level at operator level shall be within 80 dBA
- OH&S (Occupational Health and Safety) control measures for safe working of machine as applicable shall be specified.
- The machine / equipment shall be fitted with guard for rolling and moving parts and shall comply with applicable OH&S legislations and Factories Act 1948
- The supplier shall submit the layout drawing of operating controls, displays etc. Along with operating instructions to enable ergonomics evaluation and approval.
- The recommended list of PPE (Personal Protective Equipment) for the equipment shall be furnished.
- Alarm system (both visual and audible) and Automatic switch off of the equipment shall be provided for any intrusion, overloading, short circuiting or any malfunctioning of the equipment.
- Details of all hazardous / harmful substances discharged as by-products / wastes during operations of the machine / equipment, such as fumes, gases, dust particles, aerosols UV/IR (Ultra violet / infra red) radiations etc., shall be furnished along with their concentrations and their TLV, (Threshold Limit Value).
- Appropriate pollution control measures shall be proposed to keep the emissions from the machinery / processes within the prescribed limit as stated in Environment Protection Rules 1986.
- All furnaces, process units, DG sets, paint booths, shot blasting chambers, etc. shall be provided with stack(s) of sufficient height as per guidelines laid down in the Environment Protection Rules 1986.
- Wherever industry specific standards are not available for control of pollutants, general emission standards shall be used.
- Chemicals banned due to their negative impact on the environment shall not be used in the process.
- Fuels with sulphur content less than 0.05% shall be proposed.
- Details regarding nature of waste generated and appropriate disposal practices available shall be provided, along with the operation procedure of the plant / process. Hazardous chemicals and flammable substances shall be transported only through authorized transporters and all safety practices as laid down in applicable legislative

requirements such as Central Motor Vehicle Rules, Manufacture, Storage and Import of Hazardous Chemical 1989, etc. shall be followed

- Primary materials used in the equipment shall be specified and they shall be eco-friendly

**Force Majeure clause:**

If at any time during the continuance of the contract the performance in whole or in part by either party of any obligations under the contract is prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) and notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof then neither party shall by reason of such events be entitled to terminate the contract. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of occurrence of such events, then claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser the particulars of the events, if required with supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries.

**Agency agreement from foreign suppliers for their Indian agents:**

Based on Ministry of Finance vide circular dated 31/01/1989 the following are compulsory:

- Registration of Indian agents of a foreign supplier.
- Precise relationship between foreign suppliers and their Indian agents and their mutual interest in the business, should be clearly spelt out.
- Any payment, which the agent receives in India or abroad, from the foreign supplier, whether as a commission or as a general retainer fee, also needs to be brought on record and made explicit so as to ensure compliance to tax laws and to prevent leakage of foreign exchange.
- All services to be rendered by the agent, whether of general nature or in relation to the particular contract, must be clearly stated by the foreign supplier and the Indian agent.
- The amount of agency commission agreed to between the foreign principal and the Indian agent should be specifically disclosed and the agency commission will be paid in Indian Rupees only.
- A copy of the Agency Agreement with the above details shall be provided.

**Short shipment / Warrantee replacement:**

In case of any short-shipment during initially supply, subsequently dispatched by the supplier or any warrantee replacement dispatched during the warrantee period shall be dispatched on "DDP – Delivered Duty Paid BHEL Stores" basis for foreign suppliers and "FOR BHEL Stores" basis for Indian suppliers.

**Inspection & Testing:** All goods shall be subject to inspection by BHEL or its authorized representatives at supplier's works or at BHEL Stores. The supplier will not charge for the facilities provided for inspection of goods. In case of machine tools, the machine would be inspected and proved at supplier's works prior to dispatch. However, final inspection and acceptance of the machine will be carried after installation of the machine BHEL.

<b>5.0</b>	<b>GENERAL</b>
------------	----------------

**Tenders will have to be submitted by the Original Equipment Manufacturers only** and the offered equipment shall be “New”. Offers for Re-built / Re-conditioned / Used equipments will not be accepted. Incomplete offers will not be considered for evaluation.

Evaluation of offers shall be on “Net Cash Outflow to BHEL basis”.

BHEL reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / Units.

BHEL shall be at liberty to reject or accept any tender, part or in full, at their own discretion and any such action is not liable for any question or claim against BHEL.

The correspondence exchanged against the tender between the bidder and BHEL through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

Any transaction / communication pertaining to the tender carried out by the bidder and BHEL round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LoI) is issued through email, the computer generated time and date of mail shall be construed as the official time and date of release of LoI. In as much as this date is within the last date of validity given by the bidder the LoI is said to have been issued within the validity period and shall be binding on both the parties to the business.

Bidders participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to BHEL. If no such details are mentioned in the offer then it will be construed that the subject bidder is not under any such hold. But at a later date if it comes to the notice of BHEL about any such hold under enforcement on the subject bidder, BHEL will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalisation of the subject tender irrespective of the status of the subject bidder in that tender. Such bidders will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any ongoing enquiries even if participated till the hold is officially lifted and confirmed in writing.

<b>5.1</b>	<b>FRAUD PREVENTION POLICY</b>
------------	--------------------------------

The Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

**6.0 SPECIAL PROVISIONS APPLICABLE FOR MSE VENDORS**

In line with the Gazette Notification issued by Ministry of Micro, Small and Medium Enterprises on MSE suppliers 20% of the tendered quantity is earmarked for MSE suppliers. Out of the 20% tendered quantity earmarked for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs.

*In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.*

MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either

1. EM II certificate having deemed validity (two years from the date of issue of acknowledgement in EM II) or
2. Valid NSIC certificate or EM II certificate along with CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limits 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 (Part 1 in case of two part bid.)*

Non submission of such documents will lead to consideration of their bid at par with other bidders and MSE status of such suppliers shall be shifted to NON MSE suppliers till the supplier submit this documents. Documents should be notarized or attested by a Gazetted officer.

Definitions of MSEs owned by SC / ST is under:

- In case of proprietorship firm, proprietor must be SC/ST.
- In case of partnership firm, the SC / ST partners must be holding at least 51% shares in the unit.
- In case of private limited companies, at least 51% share must be held by SC/ST promoters.

Authorized Offices to issue SC/ST certificate.

The caste / Tribe / Community certificate issued by the following authorities in the prescribed form for SCs / STs can be considered.

- District Magistrate / Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1<sup>st</sup> Class stipendary magistrate / Sub Divisional Magistrate / Taulka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
- Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
- Revenue Officer not below the rank of thasildar.
- Sub-Divisional officer of the area where the individual and / or his family normally resides.

To avail the benefits of MSE under SC/ST category, the related documents as stated above should be submitted along with tender documents.

**BHARAT HEAVY ELECTRICALS LIMITED, TIRUCHIRAPALLI**  
**CAPITAL EQUIPMENT /MATERIALS MANAGEMENT**

**COMPLIANCE FORM FOR ACCEPTANCE OF COMMERCIAL TERMS AND CONDITIONS BY**  
**INDIGENOUS VENDORS**

(This should be essentially filled in and sent along with the techno-commercial offer without fail. If this compliance form is not filled and submitted along with techno-commercial offer (Part I) or if the vendor does not confirm acceptance to the terms and conditions proposed, the offer is liable for rejection)

**Description of the Equipment: Dry Block Furnace**

**BHEL Tender No. & Date: 2631500020 dt. 08.10.15**

<b>ENQUIRY TERMS &amp; CONDITIONS</b>		<b>Vendor's Confirmation</b>
<b>1.0 PRICE BID:</b>		
	Price Bid should contain the schedule of price particulars and to be co-related to the technical details provided in Part I. Techno-commercial bid alone without the Price Bid will be rejected. The prices contracted shall be firm till the execution of the contract in full and in all respects.	<b>Accepted</b>
	The bidder has to quote charges for 'Supply' and 'Erection & Commissioning' separately. The evaluation of tender shall be on the basis of "NET CASH OUTFLOW VALUE (total cost to BHEL).	
<b>2.0 VALIDITY:</b>		
	Validity of the offer should be 120 days from the date of tender opening. BHEL reserves the right not to consider offers from vendors with validity less than 120 days from the date of tender opening.	<b>Accepted</b>
<b>3.0 RELEASE OF PURCHASE ORDER:</b>		
	Purchase Orders will be released separately for supply and service portion on the successful vendor.	<b>Accepted</b>
<b>4.0 PAYMENT TERMS:</b>		
	<b>For SUPPLY P.O.:</b> 80% payment of Supply P.O. value shall be made within 45 days from the date of receipt of material at BHEL.	<b>Accepted</b>
	<b>For BALANCE OF SUPPLY P.O. &amp; SERVICE P.O.</b> Balance 20% of Supply value plus 100% of the E&C portion of PO value will be paid against Final Minutes of Meeting for E&C, jointly signed by BHEL and Supplier and submission of Performance Bank Guarantee (PBG)	
<b>4.1 Bank Guarantee and Loading against non acceptance of BHEL's Payment Terms:</b>		
	If payment terms as mentioned by BHEL are not agreed by bidder, such bidder have to submit Bank Guarantee at the time of payment in the prescribed Format of the amount, exceeding 80% of the PO value, valid till acceptance for the equipment. However, in any case, payment against dispatch shall not exceed 90% of the PO Value. Additionally, for any deviation sought including as mentioned above, in Payment Terms by bidder w.r.t. tender conditions, following loading shall be followed: Base Rate of SBI as applicable on the scheduled date of tender opening + 6%, for the amount & period of relaxation sought by bidder.	<b>Accepted</b>
<b>5.0 Value for Erection &amp; Commissioning at BHEL:</b>		
	Erection & Commissioning (E&C) value will include services to be rendered at BHEL like erection, commissioning, job proving, training to operators, supervising foundation work etc. (to be together called as E&C). <b>E&amp;C is in the scope of supplier, and hence the E&amp;C value should be quoted separately.</b>	<b>Accepted</b>
	E&C value should be quoted separately by Bidders. Only in case where quoted value is less than the minimum value indicated below or separate E&C values are not mentioned in the offer, value for E&C portion shall be deemed to be considered as the value indicated below and accordingly supply value will be adjusted from that quoted value and the balance will be released as E&C payment. <b>The bidder, however, can choose to quote the E&amp;C value higher than the below mentioned minimum E&amp;C value (%) and suitably apportion the supply value.</b>	<b>Accepted</b>
	<b>COST OF ERECTION &amp; COMMISSIONING PORTION QUOTED BY VENDOR (%) - ( Should be equal to or more than 3% )</b>	
	<b>In case of non-acceptance to split the cost of the equipment into supply portion and E&amp;C portion, then the Payment of 80% against supply will be reduced to -(%)</b>	<b>77.00</b>
	<b>In such cases, the balance amount (%) payable after commissioning</b>	<b>23.00</b>

<b>6.0</b>	<b>Taxes &amp; Duties:</b>	
	All Taxes, Duties, Service Taxes etc. payable as extra to the quoted price should be specifically stated in offers along with CST & TIN No / Tariff No. etc., failing which BHEL will not be liable for payment of such Taxes and Duties. For BHEL, Trichy: TIN No.: 33243560005 , TNGST No. 3560005, CST No. 239383 dt. 11.06.1991 & BHEL ECC No. AAACB4146PXM012, Assessment Circle: Thiruverambur In case taxes and duties are indicated as inclusive in the quoted prices, it will be reimbursed only upon furnishing the documentary evidence for having paid such taxes and duties. Any difference in taxes (on account of reduction in the levies) between what has been paid by BHEL to the vendor (based on what has been indicated in the Purchase Order) and actually paid by vendor should be passed on to BHEL.	Accepted
<b>7.0</b>	<b>Delivery terms, Delivery period required and evaluation process:</b>	
<b>7.1</b>	<b>Delivery terms: FOR BHEL, TRICHY, TAMIL NADU</b>	Accepted
	<b>Basis of Delivery Terms :</b>	
	Price break-up details like Basic price, P&F, Taxes & Duties, Freight and Insurance etc., should be indicated in the offer.	Accepted
<b>7.2</b>	Delivery period: Vendor shall comply with this required period.	
	<b>Bidder should quote time period separately for 'Supply' and 'E&amp;C' of equipment.</b>	
	(a) Supply period :- For Supply portion, duration shall be counted from the date of Purchase Order. Vendors are required to indicate the best delivery period i.e., time period required for dispatch (LWB date) from the date of Purchase Order in the "Vendor's confirmation" below. Order acceptance, submission of drawings etc., should not be linked to the delivery period. (b) E&C period :- Duration shall be counted from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C.	Accepted
	<b>DELIVERY PERIOD (in months) REQUIRED BY BHEL (SUPPLY PORTION)</b>	3
	<b>DELIVERY PERIOD (in months) OFFERED BY VENDOR (SUPPLY PORTION)</b>	
	<b>DELIVERY PERIOD (in weeks) REQUIRED BY BHEL (E&amp;C PORTION)</b>	2
	<b>DELIVERY PERIOD (in weeks) OFFERED BY VENDOR (E &amp; C PORTION)</b>	
	However, while evaluating the offers, those offers which are not conforming the requested delivery period, COMMERCIAL LOADING @ ½% of the purchase order value per week will be done for the EXTRA PERIOD requested. For evaluation 4 weeks will be considered as one month. Commercial loading on the offered price will be done during evaluation of the offers	Accepted
	<b>BHEL reserves the right to accept an offer not meeting the NIT / Enquiry delivery. However based on the requirement, the Technically Suitable offerers would be requested to reduce their offered delivery schedule and in case if it is not meeting BHEL requirement or maximum limit considered by the Technical Committee, the offer may become liable for rejection.</b>	Accepted
<b>8.0</b>	<b>PERFORMANCE BANK GUARANTEE:</b>	
	The vendor shall submit a Performance Bank Guarantee (PBG) for 10% of the Purchase Order value in the format enclosed covering the agreed Guarantee period (with additional 2 months as claim period).	Accepted
	<b>PBG shall be issued exactly as per the BHEL Format attached with this Tender (without any deviation) by any one of the Consortium Banks of BHEL (List Enclosed) or from a reputed Bank and confirmed by any Consortium Bank of BHEL.</b>	
	All bank charges incurred on account of issuance of PBG will have to be borne by the vendor.	Accepted
	1) It should be typed in the <b>INR 100 value of stamp paper.</b>	
	2) It should be <b>signed by TWO bank officials</b> with Rubber stamp containing names & employee numbers of bank officials.	
	3) It should be submitted with bank covering letter with sign and seal of the bank official.	
	Offers from vendors not accepting to submit PBG <b>are liable for rejection.</b>	

<b>9.0</b>	<b>LIQUIDATED DAMAGES (LD):</b>	
	<p>a) LD for delay in 'Supply' and/or 'E&amp;C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&amp;C'. The rate of LD for delayed Supply shall be @ 0.5% per week of delay of total PO value (Supply + E&amp;C) in supply subject to a maximum of 10% of total PO value (Supply + E&amp;C). The rate of LD for delayed E&amp;C shall be @ 0.5% per week of delay of total PO value (Supply + E&amp;C) in E&amp;C subject to a maximum of 10% of total PO value (Supply + E&amp;C).</p>	
	<b>Maximum LD for delay in Supply and E&amp;C together shall be limited to 15% of total PO value (Supply + E&amp;C).</b>	
	In case PO includes more than one machine, the LD will be levied @ 0.5% per week of delay on PO value (Supply + E&C) for each individual machine.	
	<p>b) For the purpose of LD for delay E&amp;C of the equipment the duration will be reckoned from the date of intimation by BHEL to vendor for readiness of site. c) Loading on account of non-acceptance of LD for delayed Supply and/or E&amp;C shall be as under: In case any bidder is not accepting the above LD for delayed Supply and/or E&amp;C, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder.</p>	<b>Accepted</b>
	d) Supply period indicated by bidder should include reasonable time required for approval of drawings and other inputs from BHEL. In the Techno-Commercial Bid, the bidder shall submit milestones for various activities in co-relation with Supply and E&C period quoted by him.	
	For the purpose of levying LD , the date of shipment (LWB date) will be considered.	
	<b>Loading Factor for non-acceptance of LD clause for delayed Supply and/or E&amp;C: In case any bidder is not accepting the above LD clause for delayed Supply and/or E&amp;C, the offer of bidder shall be loaded to the extent to which it is not agreed by the bidder .</b>	
<b>10.0</b>	<b>SHORT SUPPLY / WARRANTY REPLACEMENT:</b>	
	<p>In case, any shortage is noticed vis-a-vis PO requirement in the main equipment / spares, such shortages shall be replenished by supplier on FOR destination basis without any cost implication to BHEL for such short supplies shall be borne by the supplier. Warranty Replacements during Guarantee period at supplier's cost on FOR BHEL Works basis.</p>	<b>Accepted</b>
<b>11.0</b>	<b>RISK PURCHASE:</b>	
	<p>If the supplier fails to deliver the goods within the delivery specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the supplier either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order. <b>BHEL reserves the right not to consider offers from vendors not accepting the above Risk Purchase terms.</b></p>	<b>Accepted</b>
<b>12.0</b>	<b>GUARANTEE:</b>	
	<p>Vendors shall provide a guarantee for 12 months from the date of commissioning of the equipment or 18 months from the date of supply, whichever is earlier. The date of LWB shall be taken as the date of supply. Offers from vendors not accepting to the requested guarantee period are liable for rejection.</p>	<b>Accepted</b>
<b>13.0</b>	<b>REVERSE AUCTION (RA):</b>	
	<p>BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA. In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit „online sealed bid" in the Reverse Auction. Nonsubmission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue. <b>BHEL reserves the right not to consider offers from vendors not accepting to the RA process for finalization of the enquiry.</b></p>	<b>Accepted</b>

<b>14.0 CONTACTS:</b>		
	Details of contact person's name, designation, department with complete postal and email address along with phone and fax numbers to be mentioned	
	Name:	
	Designation:	
	Email ID:	
	Phone No.:	
	Mobile No.	
	Fax No.:	
	Address:	
<b>15.0 Weight &amp; Cubage of package:</b>		
	Approximate Net weight of the total consignment:	
	Approximate Gross weight of the total consignment:	
	Approximate volume of the total consignment:	
<b>16.0</b>	The vendor to provide Audited Balance Sheet & Annual Report signed by the Auditors (or) Bank Credit Statement signed by the Bankers for past consecutive four years (eg. 2010 - 11, 2011 - 12, 2012 - 13 and 2013-14) from the date of tender opening.	
	<b>We have gone through and understood the 'General guidelines &amp; instructions to bidders for submitting offer' enclosed as a part of the NIT / Enquiry and confirm that our offer has been made in line with the same and the confirmations given in the above checklist supercede any other standard information provided in our quotation.</b>	
	<b>Signature with date:</b>	<b>(AFFIX OFFICIAL SEAL HERE)</b>
	<b>Name:</b>	
		<b>(PLEASE AFFIX YOUR SIGNATURE WITH SEAL ON EACH PAGE)</b>

## PERFORMANCE BANK GUARANTEE BOND

In accordance of M/s. Bharat Heavy Electricals Limited (A Government of India undertaking, a company incorporated under the Companies Act 1956 having its Registered Office at "BHEL House", SIRI Fort, New Delhi 110 049) through its High Pressure Boiler Plant Division located at Tiruverumbur, Tiruchirappalli- 620014 (hereinafter called „the Company“) having entered into a contract with .....hereinafter called „the said Supplier and under the terms and conditions of the Purchase Order No..... Dt ..... Between BHEL, Tiruchy and as per the Purchase Order, the Supplier is to furnish a performance Bank guarantee for Rs. .... for the due performance of the equipment to be supplied under the above referred Purchase Order and for the fulfilment of all the terms and conditions of the Purchase Order, We .....(indicate the name of the bank) (herein after referred to as the bank) at the request of ..... (Supplier) do here by undertake to pay the Company an amount not exceeding Rs.....against any loss or damage caused to or suffered or would be caused to or suffered by the Company by reason of any breach by the said Supplier of any of the terms and conditions contained in the said Purchase Order.

2. We .....(indicate the name of the bank with full address), do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Supplier of any of the terms and conditions contained in the said Purchase Order or by the reason of the Supplier"s „failure to perform“ the said Purchase Order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

3. We undertake to pay unconditionally to the Company any money so demanded notwithstanding any dispute(s) raised by the Supplier in any suit, or proceedings pending before any Court or Tribunal or Arbitration or before any other authority relating thereto our liability under this present being absolute and unequivocal. The payment under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the arbitration proceedings or by any other authority. The payment so made by us under this Bond shall be a valid discharge of liability for payment there under and the Supplier shall have no claim against us for making such payment.

4. We.....(indicate the name of Bank), further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Purchase Order and that it shall continue to be enforceable till all the dues of the Company under or by virtue of the said Purchase Order have been fully paid and its claims satisfied or discharged or till ..... Office / Department / Division of the Company certify that the terms and conditions of the said Purchase Order have been fully and properly carried out by the said Supplier and accordingly discharge this guarantee.5. (i) Unless a demand or claim under this guarantee is made on us in writing on or before the ..... we shall be discharged from all the liability under this guarantee thereafter. But where such claim or demand has been preferred by the Company with the Bank before the expiry of the said date, the claim shall be enforceable **and Payable only by any one of the BHEL Consortium Banks in India (List is attached herewith)** notwithstanding the fact that the said enforcement is effected after the said date.

(ii) For the purpose of this clause, any letter making demand on the Bank by BHEL dispatched by Registered Post with Ack. Due or by Telegram or by any Electronic media

addressed to the Bank **(any one of the BHEL Consortium Banks as per list attached as selected by the vendor)** shall be deemed to be the claim / demand in writing referred to above irrespective of the fact as to whether and when the said letter reaches the Bank, as also any letter containing the said demand or claim is lodged with the Bank personally.

6. We .....(indicate the name of Bank), further agree with the Company that the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Purchase Order or to extend time of performance by the said Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Supplier and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said Supplier or for any forbearance, act or omission on the part of the Company or any indulgence by the Company to the said Supplier or by any such matter or thing whatsoever which under the law relating would, but for this provision, have effect of not so relieving us.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier.

8. It shall not be necessary for the Company to proceed against the Supplier before proceeding against the guarantor--Bank and the guarantee herein contained shall be enforceable against them notwithstanding any security, which the Company may have obtained or obtain from the Supplier shall, at the time when proceedings are taken against the guarantor hereunder be outstanding or unrealised.

9. Any claim or dispute arising under the terms of this document shall only be enforced or settled in the Courts at Tiruchirappalli.

10. The guarantor hereby declare that it has power to execute this guarantee and the executants has full powers to do so on its behalf under the proper authorities granted to him/them by the guarantor.

11. We ..... (indicate the name of Bank) lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Company in writing.

In witness whereof we..... (indicate the name of Bank) have hereunto set out Bank Seal the..... day ..... month 200

**The contact details of the Issuing Bank such as Email ID, Phone No. And Fax No. Should be indicated in the PBG Also please note that the PBG should be forwarded to us with the covering letter of the issuing Bank with signature and seal.**

- 
- 1) It should be typed in the Rs. 100 value of stamp paper.
  - 2) It should be signed by TWO bank officials with Rubber stamp containing names & employee numbers of bank officials.
  - 3) It should be submitted with bank covering letter with sign and seal of the bank official.

**Please note that issuance of the PBG without meeting the above requirement will render the document invalid.**

---

The Bank Guarantee bonds (BG) are to be submitted on non-judicial stamp paper of Rs. 100/- and should be only from any one of the below mentioned Banks in India,

## **LIST OF CONSORTIUM BANKS IN INDIA**

(as on 15.12.2011)

<b>List of Consortium Bank</b>			
	<b>Nationalised Bank</b>		<b>Nationalised Bank</b>
1	Allahabad bank	19	Vijaya Bank
2	Andhra bank		<b>Public Sector Banks</b>
3	Bank of Baroda	20	IDBI
4	Canara Bank		<b>Foreign bank</b>
5	Corporation bank	21	CITI Bank N.A
6	Central bank	22	Deutsche Bank AG
7	Indian Bank	23	The Hongkong and Shanghai Banking Corporation Limited
8	Indian Oversea Bank	24	Standard Chartered Bank
9	Oriental bank of Commerce	25	The Royal Bank of Scotland N.V.
10	Punjab National Bank	26	J P Morgan
11	Punjab & Sindh Bank		<b>Private bank</b>
12	State Bank of India	27	Axis Bank
13	State Bank of Hyderabad	28	The Federal Bank Limited
14	Syndicate Bank	29	HDFC
15	State Bank of Travancore	30	Kotak Mahindra Bank
16	UCO Bank	31	ICICI
17	Union Bank of India	32	Indusind Bank
18	United Bank of India	33	Yes Bank

- 1) It should be typed in the **Rs. 100 value of stamp paper.**
- 2) It should be **signed by TWO bank officials** with Rubber stamp containing names & employee numbers of bank officials.
- 3) It should be submitted with bank covering letter with sign and seal of the bank official.