



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

HIGH PRESSURE BOILER PLANT
PURCHASE DEPARTMENT - FOSSIL BOILERS
THIRUCHIRAPALLI - 620014
TAMILNADU (INDIA)

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429-002/A

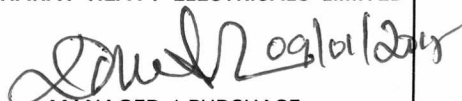
	Enquiry No 2691500004 - 41	Enquiry Date 09.01.2015	Due Date for Quotation 06.02.2015
Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	<p>SPECIFICATION FOR Welding Simulator based TRAINER</p> <p>S.No Specification</p> <p>1.0 Scope of Supply</p> <p>Welding Simulator trainer for training the welders in Shielded Metal arc welding (SMAW), Gas Tungsten Arc Welding (GTAW) and Gas Metal Arc welding (GMAW) with recording and post analysis facility.</p> <p>2.0 Detailed specifications</p> <p>2.1 Training Processes:</p> <p>2.1.1 Shielded Metal arc welding</p> <p>2.1.2 Gas Metal Arc welding</p> <p>2.1.3 Gas Tungsten Arc Welding</p> <p>2.2 Welding Positions:</p> <p>2.2.1 Flat/Down Hand position</p> <p>2.2.2 Horizontal position</p> <p>2.2.3 Vertical position</p> <p>2.3 Joint Types</p> <p>2.3.1 Plate Butt (Groove)</p> <p>2.3.2 Plate Fillet (TEE and Lap)</p> <p>2.3.3 Pipe to Pipe Butt (Optional)</p> <p>2.3.4 Pipe to Plate (Optional)</p> <p>2.3.5 Virtual Work piece</p> <p>2.4 Materials</p> <p>2.4.1 Carbon steel</p> <p>2.4.2 Stainless Steel (optional)</p> <p>2.5 Medium of Instruction</p> <p>2.5.1 English</p> <p>2.5.2 Tamil and Hindi (Optional)</p> <p>2.6 Model - Work bench model</p> <p>2.6.1 Monitor for trainer viewing</p> <p>2.6.2 SMAW holder with cable and necessary accessories</p> <p>2.6.3 GTAW holder with cable and necessary accessories</p> <p>2.6.4 GMAW Torch with cable and necessary accessories</p> <p>2.6.5 Suitable Helmet for viewing during Training</p> <p>2.6.5 Facility for fixing the work piece model in all position</p> <p>2.7 Network connectivity</p> <p>2.7.1 Ethernet connectivity to be provided for online support</p>	NO	1.000	1.00	30.03.15

The offers should reach us 30 minutes before the time of opening of tenders.
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.

D. CHANDRAMOHAN
Senior Manager / MM / RV
Purchase / CP & SP
BHEL, TIRUCHY - 620 014.

Yours faithfully,
For **BHARAT HEAVY ELECTRICALS LIMITED**


MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,



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- 2.8 Data Recording and Analysis
2.8.1 Provision for recording and analysis of the following process parameters
1. Current (Wire feed rate)
2. Voltage
3. Travel speed
4. Travel angle
5. Torch angle
6. Arc Length
7. Defect analysis
2.8.2 Provision for Data retrieval and play back
2.8.3 Online and Offline provision for analysis of trainee data against set values.
2.8.4 Provision for print out of analysis
2.8.5 Provision for having record of minimum 50 welders performance
2.8.6 USB port to be provided for data transfer in MS office format
3.0 Software Upgradation
3.1 The software upgrades is to be provided for first twenty four months from the date of commissioning
4.0 Operation and maintenance manual in English language
4.1 Two hard copies of the operation and maintenance manual
4.2 Two soft copies of the operation and maintenance manual
5.0 Warranty
5.1 Warranty for the software and hardware to be provided for 24 months from the date of commissioning
6.0 Spares and Accessories along with the system
6.1 Supplier should provide the details of spares and accessories to be supplied along with the system for 24 months of trouble free operation.
7.0 All the optional items are to be quoted against each item separately
Welding Simulator

General Note:

PL. SUBMIT YOUR OFFER ON F.O.R - BHEL, TRICHY (TAMILNADU) BASIS AND IN TWO PART (TECHNO-COMMERCIAL BID AND PRICE BID) IN A SEPARATE COVER.

IF THE OFFER IS SUBMITTED IN SIGNLE PART AND THE SAME WILL BE LIABLE FOR REJECTION.

ANNEXURE-III ENCLOSED HERewith MUST BE FILLED, SIGNED AND SUBMITTED ALONG WITH YOUR OFFER.

THIS TENDER IS HOSTED IN BHEL WEBSITE VIDE NIT REF. _____ DT. _____
AND ANY CORRIGENDUM MAY PL BE VIEWED IN THE BHEL WEBSITE (HTTP://

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[Signature]
09/01/2015



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WWW.BHEL.COM)

ENCLOSURE: ANNEXURE - III & PART-A SECTION-I, II & III

MSME VENDOR GIDE LINES WILL BE FOLLWDED FOR THIS TENDER

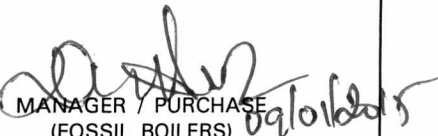
Enclosures:

"LD clause has to be confirmed without fail."

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For **BHARAT HEAVY ELECTRICALS LIMITED**

D. CHANDRAMOHAN
Senior Manager / MM / RM
Purchase / CP & SF
BHEL, TIRUCHY - 620 014.


MANAGER / PURCHASE
(FOSSIL BOILERS)
Yours faithfully,

PART A
QUALIFYING CRITERIA FOR THE SUPPLY OF
WELDING SIMULATOR

SECTION – I

The BIDDER is expected to give complete details against each clause in the table given below and wherever necessary an additional sheet may be attached (giving clear reference number) to cover the required details.

S. No.	PARTICULARS	VENDOR's RESPONSE
1.0	Number of Years of Experience of the BIDDER (Original Equipment Supplier) in the field of design, manufacture and supply of 'WELDING SIMULATOR' for R&D/Production	
2.0	YEAR of LAUNCH of the MODEL quoted against this ENQUIRY	
3.0	Number of 'WELDING SIMULATOR' supplied, till date in the QUOTED MODEL	
4.0	Details on International Standards followed in Design and Testing of Welding Simulator (If any)	
5.0	Comprehensive Details, on Performance Testing of Welding Simulator carried out at the Factory (if any), to be furnished with the Technical Offer.	
6.0	Details on SERVICE-AFTER-SALES Set-Up in India including the Addresses of Agents / Service Centres in India, to be furnished compulsorily.	
7.0	BIDDER to indicate the Country of Origin for the supply of welding simulator.	

SECTION – II

The BIDDER has to compulsorily meet the following requirements to get qualified for submitting an offer for the 'Welding Simulator'

S. No.	REQUIREMENTS	VENDOR's COMMENTS
8.0	The BIDDER shall have a minimum of <u>TWO</u> Years of Continuous Experience in the Design, Manufacture & Supply of 'Welding Simulator'	
9.0	The BIDDER should have supplied at least <u>one</u> 'welding simulator and above to Customers in India or <u>abroad</u> . Also, indicate the number of such welding simulator sold in India.	
10.0	Reference of the Customer and Performance Certificate with full contact details of CONTACT PERSON, who are the End Users of	


M. KAYAROHANAM
 Sr. Development Engineer
 Welding Research Institute
 Bharat Heavy Electricals Limited
 Tiruchirappalli - 620 014

	the MODEL (given under Clause No.10.0) of 'Welding simulator'	
11.0	BHEL reserves the right to verify the information provided by vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

SECTION – III

The BIDDER has to comply with the following, for accepting the Technical Offer for scrutiny by the Purchaser:

S.No.	REQUIREMENTS	VENDOR's COMPLIANCE
12.0	The BIDDER shall submit the offer in TWO PARTS - Technical [with PART A & PART B] & Commercial and Price Bid.	
13.0	The Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause. A just 'CONFIRMED' or 'COMPLIES' or 'YES' or 'NO-DEVIATION' or similar words in the technical comparative statement may lead to disqualification of the Technical Offer.	

S.No.	REQUIREMENTS	VENDOR's COMPLIANCE
14.0	The BIDDER shall assure a continuous support for SPARES and SERVICE for <u>twelve months</u> , from the date of commissioning of the equipment at BHEL Works.	
15.0	The Technical Offer shall be supported by Product Catalogue and Data Sheets in ORIGINAL and complete technical details / literature on the QUOTED MODELS of Welding simulator.	
16.0	The Commercial Offer (given with the Technical Offer) shall contain the Scope of Supply and the Un-Priced Part of the Price-Bid, for confirmation for the scope of supply.	


M. KAYAROHANAM
 Sr. Development Engineer
 Welding Research Institute
 Bharat Heavy Electricals Limited
 Tiruchirappalli - 620 014.

COMMERCIAL TERMS& CONDITIONS

ANNEXURE-III(m)

Bharat Heavy Electricals Limited, Tiruchirapalli – 620 014, Tamilnadu

MM: CP & SP

(Check List - to be filled and submitted along with Techno-Commercial Bid)

Sl. No.	BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
1	Bid should be submitted in Two Parts . 1. Techno-commercial Bid (Part-I) and 2. Price Bid (Part-II) in a separate sealed cover and both the covers must be placed in a Third Cover and Sealed. Our Enquiry No., Enq. Date & Enq. Due date must be written on all Three covers	
2	Technical confirmation to BHEL's Specification shall be furnished. If needed additional sheets shall be used.	
3	Prices shall be quoted item wise only.	
4	Delivery INCO TERMS- Price quoted -FOR BHEL TRICHY, STORES or ex- WORKS Basis or, FOR WORKS (DESPATCHING STATION) In case of EX works / FOR WORKS basis, indicate the Despatching station. Prices shall be quoted on "FIRM PRICE" basis only.	
5	Validity of offer shall be for a minimum period of 120 days from the date of Tender opening	
6	Delivery period from the date of Letter of Intent / Purchase order	
7	Liquidated damages shall be 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value. For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value. Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).	
8	Payment term for supply portion: Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials. Note: Only Direct Payment after goods receipt & acceptance will be accepted .Above payment term acceptance is essential for consideration of your offer Any deviation in the above payment term will attract loading as mentioned below. "Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders. Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Stores with Consignee copy attached. In this case Loading will be 3% on the offered value. Offers of indigenous Suppliers with payment terms as <u>LC/Advance Payment are liable for rejection.</u> Important Note: BHEL will consider the ranking after the loading is applied as referred vide Sl. No. 7& 8 above wherever deviations are observed.	
9	Following Risk Purchase clause shall be applicable: The purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore. The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases.	
10	Erection / commissioning: (if applicable only) Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection / commissioning shall be done at free of cost is available in the offer.	
11	The equipment shall be guaranteed as per tender condition from the date of receipt & acceptance./(commissioning (commissioning date ,if applicable as per tender condition) Normally No deviation permitted and the <u>deviated offers are liable for rejection.</u>	

COMMERCIAL TERMS& CONDITIONS

ANNEXURE-III(m)

12	Equipment will be inspected at vendor's works prior to dispatch if applicable. However final inspection and acceptance of equipment will be after installation at BHEL, Trichy, Tamilnadu.	
13	The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost.	
14	Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy, Tamilnadu basis.	
15	Performance Bank Guarantee, if applicable as per tender condition. Normally No deviation permitted and the <u>deviated offers are liable for rejection.</u>	
OTHER DETAILS REQUIRED		
16	% of Excise Duty with cess	
17	% of TAX (VAT) (TNGST with FORM-17)	
18	% of TAX (VAT) without form	
19	% of TAX (CST) (CST with C-FORM)	
20	% of TAX (CST) without form	
21	Packing & Forwarding Charges (in % only)	
22	Freight& transit insurance charges, if any(in % only) Freight charges from Dispatching station to BHEL, Tiruchirapalli (Note: If the delivery terms is Ex Works the materials has to be sent through BHEL approved carrier only ,in this case the freight will be borne by BHEL)	
23	Approximate Net weight of the total consignment	
24	Approximate Gross weight of the total consignment	
25	Approximate Dimensions of the Consignment	
26	Name of the contact person	
27	Land Line Number	
28	Fax Number	
29	Mobile Number	
30	E-mail ID	
31	PAN No.	
32	CST No.	TIN No.

a) It is confirmed that all the terms and conditions stipulated in the Enquiry have been fully understood by us and all clarifications & details have been obtained.

b) Applicable % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., are indicated in offer.

Full postal Address:

Signature & Office Seal of the vendor

Note:-

Your specific acceptances to our Payment terms, LD & Risk Purchase (RP) Clause are essential for consideration of your offer. Otherwise your offer is liable for rejection.

No row shall be left blank. Please indicate NA, in case the item is "not applicable"