

**General Note: BHARAT HEAVY ELECTRICALS LIMITED**

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(A Government of India Undertaking)
 HIGH PRESSURE BOILER PLANT
 PURCHASE DEPARTMENT - FOSSIL BOILERS
 THIRUCHIRAPALLI - 620014
 TAMILNADU (INDIA)

PHONE : 2577645
 GRAMS : BHARATELEC
 FAX NO: 2520719
 E-mail :
 Web :

429.002/A

Collective No.	Enquiry Date	Due Date For Quotation
2691400042	22.04.2014	19.05.2014

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>SCOPE OF SUPPLY Water cooled mechanised welding carriage system with wire feeding unit. It should include the following: Welding carriage system (with adjustable wheels/rollers, integrated wire feeder, torch holding and positioning devices, parameter controls and display) - 1 Set Other deliverables: 1. Softwares (if applicable) - 1 set 2. Spares - As specified below 3. Documentation- As specified below 4. Installation and training- As specified below Vendor to specify DETAILED SPECIFICATIONS Welding Carriage System Welding carriage with heavy-duty adjustable and self-aligning wheels, driven by microprocessor based 24 volt D.C. programmable controller. The carriage should be gear driven (positive drive), capable of running on flat surfaces and on tubes by the means of mechanical friction. A speed controller for achieving infinite variations in speed up to the specified maximum limit. Two types of wheels/rollers of the carriage to be provided: 1. Rollers with flat rim for welding of structural components 2. Rollers with J or V-grooved rim for welding of panels. J or V groove to match different diameters of tubes. Further, the wheels must be spring loaded along the axis of rotation so that any small variation in linearity of the joint or pitch of the tubes can be automatically adjusted. Guide roller assemblies to be provided for structural welding applications. The carriage should have forward/ reverse/ hold movement functions. Desirable carriage travel speed range: 0 - 120</p>	SET	1.000	1.00	15.06.14

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.

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



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cm/min.

- The welding carriage should display:

1. Travel carriage speed
2. Direction of travel
3. Welding arc - enable/disable.

Welding carriage to have integrated wire feeder for feeding wire of diameter 0.8 - 1.6 mm using drive rolls. System should be capable of

holding wire spools of up to 12 inch diameter.

Wire feeding range: 0.60 to 20 mtr/min

The system must be compatible with water cooling torch for performing continuous welding.

Continuous welding and stitch welding modes to be provided in the welding system.

The following control knobs to be provided:

1. Wire feed speed adjustment
2. wire feeder forward/reverse feeding
3. Carriage forward/ reverse/ neutral movement
4. Carriage speed adjustment
5. Weld enable/disable
6. Auto cycle start on/off
7. Shielding gas purging on/off

LED based display to be provided that will display the status of above mentioned functions/ parameters.

Wire feed drive rolls for wire feeding should be V grooved, capable of

feeding 0.8, 1.0, 1.2, 1.6 mm diameter wires. Integrated manual X-Y slider and torch holder to be provided for holding and positioning (horizontal and vertical) of water cooled GMAW torch.

System to be driven by input voltage 200-230V AC, 50 Hz supply.

Carrying case for the welding carriage system to be provided.

Vendor to specify

SAFETY MEASURES

The system shall have standard in-built safety features, interlocks to be provided. The system should trip in the event of-

1. Stoppage of cooling water flow
2. Stoppage of wire feeding.
3. Stoppage of shielding gas flow
4. Arc start failure.

Low/ High input voltage supply than the prescribed limit for the processor

Vendor to specify

OTHER DELIVERABLES

Softwares (If applicable)

Softwares for the correct functionality of the system to be provided.

- Relevant serial key/ product key and technical support items like document, installation/recovery CD/DVD to be

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provided.

Vendor to specify

Spares

List of all spares (welding, mechanical, electrical) to be included in the scope of supply, spares for two years trouble free operation of the total welding system.

Unit wise cost of all the items must be provided with offer.

Vendor to specify

Documentation

Documents viz. operational manual, troubleshooting guide, detailed specifications, maintenance manual etc. to be provided in hard format (3 sets) and CD/DVD (English).

Vendor to specify

Installation and Training

Inspection of the complete system by vendor and carrying out minimum 2 number of welding trials on a mock-up job at WRI.

The acceptance criteria for weld quality as per BHEL standards.

Installation, commissioning of the system at WRI, BHEL Trichy.

Vendor to specify

GENERAL POINTS

Few general points to be noted (which ever applicable):

1. Make and Model of the machine to be mentioned, detailed catalogues of the machine to be sent with the offer.
2. Complete description of all systems and sub-systems shall form part of the technical bid.
3. Total weight of the machine and the sub-systems to be provided.
4. Total connected load (kVA), color of the system to be specified by the vendor.
5. Floor area required (Length X width X height) for complete machine and its accessories.
6. Input power supply to be confirmed: 220V single phase/50 Hz for carriage.

Vendor to specify

PACKAGING AND DESPATCH

All equipments, materials, manuals, etc. to be supplied in sea worthy rigid packaging to prevent any damage/loss in transit. BHEL wont take

any responsibility for any damage/loss of equipments, material, documents, etc. in transit.

Deliverables to be supplied by the vendor within 6 weeks of time from the date of purchase order.

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- Vendor to specify
PAYMENTS
Payment terms with all applicable taxes to be specified by the vendor
- Vendor to specify
WARRANTY
Warranty period from the date of commissioning:
At least 12 months of warranty for the deliverables supplied by the vendor from India and 18 months for the deliverables supplied by the vendor from abroad
- Vendor to specify
CANCELLATION
If found technically unsatisfactory, BHEL reserves the right to cancel the order at any point of time prior despatch of the deliverables from the vendor.
- Vendor to specify
Welding carriage system with wire feeder

20	Manual XY slider - 100mm stroke on both axes, with MIG welding torch mounting bracket	NO	3.000	3.00	15.06.14
30	Manual XY slider with 100mm stroke Manual XY slider - 150mm stroke on both axes, with MIG welding torch mounting bracket Manual XY slider with 150mm stroke	NO	2.000	2.00	15.06.14

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://WWW.BHEL.COM)
FOR MSME VENDORS YR GUIDE LINES WILL BE FOLLOWED FOR THIS TENDER .

ENCLOSURE: ANNEXURE - III

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.

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Enclosures:

"LD clause has to be confirmed without fail."

"Payment to vendors will be made only thro E-Payment mode."

PR Links

Material.

PR.No

PR.Item.

Quantity

Acc. Assign

Customer Number

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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"