



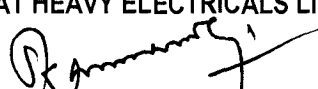
An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

ENQUIRY		NOTICE INVITING TENDER		Phone: +91 431 257 7653 Email : skaruna@bheltry.co.in Web : www.bhel.com
TWO PART BID	Enquiry Number:	Enquiry Date:	Due date for submission of quotation:	
Tender to be submitted in two Parts	2631600064	02.09.2016	29.09.2016	
You are requested to quote the Enquiry number date and due date in all your correspondence. This is only a request for quotation and not an order. Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the tender should be submitted online on or before the due date by 14.00 Hrs (IST). Tenders received after 14.00 Hrs (IST) will not be considered for evaluation.				
Item	Description		Quantity	
10	Flexible Track Welding Carriage as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in or https://bheleps.buyjunction.in)		1 No.	
Important points to be taken care during submission of offer 1. Material shall be delivered to Indigenous Vendors: FOR, BHEL, Stores High Pressure Boiler Plant, Tiruchirappalli - 620014. For Foreign Vendors: CFR Chennai Airport 2. Delivery required 4 months from the date of purchase order. 3. Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C. 4. Checklist No: TRY/IMP/03 (for foreign vendors) and TRY/ IND/ 03A (for indigenous vendors) to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. 5. All updates, amendments, corrigenda, etc., (if any), for each tender will be posted only on the above websites from time to time, as and when required, until each tender is opened. There will be no publication of such updates, amendments, corrigenda, etc., through newspapers or any other media. BHEL's General guidelines / instructions (refer MM / CE / EPROC / GENL / 001) including bank guarantee formats and list of consortium banks, commercial terms check-list can be downloaded from https://bheleps.buyjunction.in or BHEL web site http://www.bhel.com or from the Government tender website http://tenders.gov.in (public sector units > Bharat Heavy Electricals Limited page) under above Enquiry reference.				
Tenders should be submitted online at our above indicated web portal before 14:00 hours on the due date Tenders will be opened online at 14:30 hours on the due date.			Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  DGM / Capital Equipment / MM	

FLEXIBLE TRACK WELDING CARRIAGE, Qty. – 1 no.

Part A

S. NO	BHEL SPECIFICATION	VENDOR's OFFER
1.0	Qualifying criteria: The BIDDER has to compulsorily meet the Qualifying criteria to get qualified otherwise the technical offer will not be considered.	
1.1	The BIDDER / VENDOR (OEM) shall have a minimum of FIVE Years of Continuous Experience in the Design, Manufacture & Supply of "FLEXIBLE TRACK WELDING CARRIAGE". Vendor may indicate the actual no. of years of experience in the field	
1.2	Only those vendors, who have supplied and commissioned at least 2 numbers of FLEXIBLE TRACK WELDING CARRIAGE in the past THREE years (as on the initial date of opening of Tender) should quote. Vendor to attach the proof of Purchase order along with the offer.	
1.3	Vendor has to submit at least one performance certificate for satisfactory performance of FLEXIBLE TRACK WELDING CARRIAGE quoted against this tender for a minimum period of one year from the date of commissioning (as on the initial date of tender opening) from any of their customers. For obtaining the Performance certificate, a suggestive format is provided in Annexure.	
1.4	Details on SERVICE-AFTER-SALES set-up in India, Contact details (Name, Phone number, email ID) including the Address of Agents / Service Centres in India to be provided.	
1.5	BHEL reserves the right to verify the information provided by the vendor. In case the information provided by the vendor is found to be false/ incorrect, The offer shall be rejected.	
2.0	Bidder to provide the following information:	
2.1	Year of launch of the model quoted against this tender	
2.2	Number of Flexible Track Welding Carriage supplied till date.	
2.3	The BIDDER / VENDOR to furnish Reference List of Customers, with complete address, details of contact person, where Flexible Track Welding Carriage has been supplied till date.	
2.4	Specify details of FLEXIBLE TRACK WELDING CARRIAGE supplied to other units of BHEL, if any (Year of commissioning with details etc.)	
2.5	Details on Standards followed in Design and Testing of Flexible Track Welding Carriage.	
2.6	Details of Quality System followed (Furnish the salient aspects of the Quality Assurance System followed)	

S. NO	BHEL SPECIFICATION	VENDOR's OFFER
2.7	BIDDER has to indicate the Country of Origin for the supply of equipment.	
2.8	Any Additional Data to supplement the manufacturing capability of the BIDDER for the subject equipment.	
3.0	Vendor to note the following:	
3.1	The BIDDER shall submit the offer in Two Parts – 1. Technical [with PART A & PART B] & 2. Commercial and Price Bid.	
3.2	The VENDOR's RESPONSE against each clause in PART A & B of the offer should be filled compulsorily with complete details.	
3.3	The BIDDER shall assure a continuous support for Spares and Service for Ten Years, from the date of commissioning of the equipment at BHEL Works.	
3.4	The Technical Offer shall be supported by Product Catalogue and Data Sheets and complete technical details / literature on the quoted model.	

The performance certificate should be produced on Customer's Letter Head.

Suggestive Format of Performance Certificate:

(On Customer's letter head)

PERFORMANCE CERTIFICATE

- | | | |
|---|--|-----------------------------------|
| 1 | Supplier / Make of Flexible Track Welding Carriage : | |
| 2 | Model of Flexible Track Welding Carriage : | |
| 3 | Month & Year of Commissioning : | |
| 4 | Performance of the machine
(Strike off whichever is not applicable) | : Satisfactory / Not Satisfactory |
| 5 | After sales service
(Strike off whichever is not applicable) | : Satisfactory / Not Satisfactory |
| 6 | Any Other remarks : | |

Date:

Signature & Seal of the Authority
Issuing the Performance
Certificate

FLEXIBLE TRACK WELDING CARRIAGE, Qty. – 1 no.

Part B - Technical Specification

S No	BHEL REQUIREMENTS		BIDDER's OFFER
1	Purpose: The flexible track based welding carriage travels on a track and is intended for holding both types of welding torch (angular & straight) and precisely guiding the torch for carrying out the welding in longitudinal and curved path including butt joint fillet joints etc. by varying the welding parameters, oscillations modes etc. This allows the welder to concentrate on the weld parameters and bead formation while the welding is being carried out by the carriage.		
2	Type of Welding: TIG, MIG/MAG, FCAW, SS FCAW	Vendor to specify	
3	Welding position: All	Vendor to specify	
4	Flexible type track for straight and curved profile welding with a total length of 3 metres	Vendor to specify	
5	Track material	Vendor to specify	
6	Track thickness in mm	Vendor to specify	
7	Optional: Track for pipe OD of 3 meters	Vendor to specify	
8	Horizontal travel speed – adjustable	Vendor to specify	
9	Vertical travel speed – adjustable	Vendor to specify	
10	End crater fill time	Vendor to specify	
11	Max. Load carrying capacity horizontally	Vendor to specify	
12	Max. Load carrying capacity vertically	Vendor to specify	
13	Weight (without torch holder)	Vendor to specify	
14	Vertical Stroke length of torch	Vendor to specify	
15	Horizontal stroke length of torch	Vendor to specify	
16	Welding torch shall be able to fix at any angle from vertical axis	Vendor to specify	
17	Rail shall be mounted to the work piece by a vacuum system	Vendor to specify	
18	Welding carriage shall be capable to adapt all angular types of welding torches	Vendor to specify	
19	Welding carriage shall be programmable for segmental type of welding speed	Vendor to specify	
20	Limit Switches shall be envisaged on both sides of the carriage for automatic return / stop	Vendor to specify	
21	The system shall also have manual fast movement and adjustment	Vendor to specify	
22	Remote Control: for manually controlling all the welding parameters. Vendor to provide details of the controls available		

S No	BHEL REQUIREMENTS		BIDDER's OFFER
22.1	Optional: Wireless remote pendent	Vendor to specify	
22.2	Weight	Vendor to specify	
22.3	Digital Display for displaying the actual parameter during welding	Vendor to specify	
22.4	Selection of travel direction (forward / backward)	Vendor to specify	
22.5	Welding modes	Vendor to specify	
23	Welding carriage shall travel in both the modes either linear mode or oscillation modes with controlled dwell time	Vendor to specify	
23.1	Oscillation modes: Trapezoid, Rectangular, Triangular etc	Vendor to specify	
23.2	Oscillation speed	Vendor to specify	
23.3	Oscillation amplitude	Vendor to specify	
23.4	Off set	Vendor to specify	
23.5	Dwell time	Vendor to specify	
24	Overall Dimensions	Vendor to specify	
25	Input Power Supply: Single phase AC supply, 230 V $\pm$ 10%, 50 hz $\pm$ 3%.	Vendor to note	
26	Ambient conditions: Temperature up to 50°C; Humidity up to 90% but both upper limits do not occur simultaneously.	Vendor to note	
27	Ingress Protection: IP 23	Vendor to confirm	
28	Carrying Handles: Handles for carrying and mounting / unmounting the carriage.	Vendor to specify	
29	Torch Holders for mounting the welding torches along with easy and precise torch adjustments.	Vendor to specify	
30	All type of Spare Parts required for 2 years of trouble free operation of the equipment on three shift basis including the following items are to be compulsorily quoted (with Unit Rate): All Types of Fuses, Printed Circuit Boards / PCBs – All Types, Rectifiers, Thermistors, Capacitors, Switches and Knobs, Potentiometer / other Panel components, Relays & Timers, Receptacles etc.	Vendor to confirm	

S No	BHEL REQUIREMENTS	BIDDER's OFFER
31	O&M manuals shall contain all instructions for machine installation and control selection, in sequence. • Manual to give general circuit diagrams, showing the interconnection of various elements and also details on PCBs [Printed Circuit Board] like tapping voltages, main electronic elements' specifications and ratings, etc. • Manual to give other details like trouble shooting chart, maintenance procedures • Master List of Parts & Spares used in the machine with Make, Model, Rating, Part number etc.	Vendor to confirm
31.1	No. of hard Copies: 2	Vendor to confirm
31.2	Language: English	Vendor to confirm
31.3	Soft Copy: O&M manual in One soft copy in CD-ROM or pen drive	Vendor to confirm
32	Pre-despatch Inspection: The welding machines shall be offered for inspection by BHEL Engineers at supplier's works for inspection prior to despatch.	Vendor to confirm
33	Commissioning: Commissioning and performance prove out of the offered equipment at BHEL works, by the supplier's representative.	Vendor to confirm
34	Training: The Supplier's Service Engineer shall give training in the Operation and Maintenance (mainly on electric/electronic troubleshooting) of the Machine to BHEL Staff, during commissioning.	Vendor to confirm
35	Performance Guarantee: The equipment shall be guaranteed for a minimum period of 12 months from the date of commissioning or 18 months from despatch whichever is earlier.	Vendor to confirm