



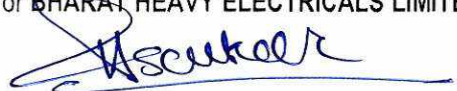
An ISO 9001
Company

Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

CAPITAL EQUIPMENT/ MATERIALS MANAGEMENT

ENQUIRY		Phone: +91 431 257 7360/7775	
NOTICE INVITING TENDER		Fax : +91 431 252 0031	
		Email : ajay@bheltry.co.in , viren@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	2631700097	16.11.2017	11.12.2017
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. 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.			
Item	Description	Qty.	(Indigenous Vendors) Matl. Will be Delivered to
10	"Strip Painting Equipment" as per the technical specification, BHEL commercial terms & conditions applicable (to be downloaded from web site www.bhel.com or https://eprocure.gov.in)	01 No.	FOR, BHEL, Stores, High Pressure Boiler Plant, Trichirappalli - 620014
Important points to be taken care during submission of offer: 1. Material shall be delivered to (By indigenous vendors): As stated above. 2. By foreign vendors: CFR Chennai Seaport/Airport. 3. Delivery required 2 months from the date of purchase order. 4. Erection and commissioning shall be done at BHEL, Trichy by the supplier. 5. Erection & Commissioning period required 3 Weeks from the date of intimation by BHEL to vendor for deputation of their Engineers for E&C. 6. EMD: Not Applicable. 7. Compliance Forms. TRY/IMP/04 & TRY/IND/04A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation. 8. 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/GENL001), commercial Terms check list (Compliance Form) and Technical Specification can be downloaded from BHEL web site http://www.bhel.com or from the Government tender https://eprocure.gov.in under Enquiry reference "2631700097". Note: this is not an E-tender, hence Vendors are requested to ensure that the offer is reaching physically at our office before 14:00 Hrs. on the date of tender opening.			
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		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  AJAY V. ASALKAR Sr. MANAGER MM / Capital Equipment BHEL, Tiruchirappalli - 620 014.	

**TECHNICAL SPECIFICATION FOR
STRIP PAINTING EQUIPMENT
PART - A**

S.No	BHEL Specification	Vendor's Offer
1.0	QUALIFYING CRITERIA	
1.1	The BIDDER / VENDOR (OEM) shall have at least FIVE Years of Experience in the Design, Manufacture & Supply of "Strip Painting Equipment.	
1.2	Only those vendors (OEMs), who have Manufactured, supplied and commissioned at least ONE Strip Painting Equipment similar to the machine specified under Part B, in the last FIVE years [as on date of this tender opening(first date)] should quote.	
1.3	Vendor has to submit at least ONE Performance Certificate from their customer, for satisfactory performance of Strip Painting Equipment specified in clause 1.2 supplied to them and such equipment is working satisfactorily for a minimum period of one year [as on date of this tender opening (first date)]. For obtaining the Performance certificate, a suggestive format is provided at the end of part-A.	
1.4	BHEL reserves the right to verify the information provided by the Vendor. In case the information provided by vendor is found to be false/ incorrect, the offer shall be rejected.	

2.0	INFORMATION TO BE PROVIDED BY VENDOR	
2.1	Vendor shall provide contact details (phone no & email id) including the address of his Agents / Service Centres in India.	
2.2	Details of Strip Painting Equipment supplied to BHEL units, if any. (Year of commissioning, Application, Type)	
2.3	Number of Strip Painting Equipment supplied and commissioned till date (to quote the equipment supplied during the last three years only)	
2.4	The BIDDER/VENDOR to furnish Reference List of Customers (max 10 customers) including Contact details (phone no & email id).	

Suggestive Format of Performance Certificate:

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

PERFORMANCE CERTIFICATE

- | | | |
|---|--|---------------------------------|
| 1 | Supplier of the machine | |
| 2 | Make & Model of the M/C | |
| 3 | Month & Year of Commissioning | |
| 4 | Electrically operated | Yes/No |
| 5 | Approx weight of the machine in kg | |
| 6 | Application for which M/C is used | |
| 7 | Performance of the Machine
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 8 | After sales service
(Strike off whichever is not applicable) | Satisfactory / Not Satisfactory |
| 9 | Any Other remarks | |

Signature & Seal of the Authority

Performance certificate issued date:

Issuing the Performance Certificate

Contact details of issuing authority

Name & Designation:

Office No/ Mobile no:

Email ID:

PART B

TECHNICAL SPECIFICATION FOR STRIP PAINTING EQUIPMENT., QTY:1 No

Sl.No	Particulars	BHEL Specification	Vendors offer
1.0	Application	The proposed equipment shall be used for marking gangways in the shop floor.	
2.0	Type of Floor	40cm depth concrete with 4cm grano finished surface	
3.0	Type of Equipment	Portable-Walk behind. The equipment shall be moved by manually pushing.	
4.0	Operating Parameters		
4.1	Line Width	Machine should be suitable 100 mm, 75 mm and 50 mm. Necessary mechanism/ Accessories to be provided for the above width.	
4.2	Paint Holding Capacity	10 Litres or better.	
4.3	Painting speed	2-3m per minute	
4.4	Painting Operation	Electrically operated (with re-chargeable battery)	
4.5	Painting Process	Roller/ Airless spray	
4.6	Line tracking mechanism	Vendor to provide details	
4.7	Width of equipment	Should not exceed 750 mm	
4.8	Length to be painted	50km / year approx.	
4.9	Specification of paint	IS2932 or equivalent. Machine should be compatible for all shades of paint.	
5.0	Paint Pumping System	Pump type: Vendor to provide details	
6.0	Cleaning	Gun cleaning mechanism: Should be easy to clean manually. Vendor to specify the procedure. Necessary tool kit to be quoted separately.	
7.0	Safety	With safety relief valves to avoid overload on the gun and tank.	
8.0	Operator Control	All controls to be ergonomically located. Vendor to provide details	
9.0	Noise	Shall not exceed 80 Db at 1m distance, during operation.	
10.0	Ambient Atmospheric Condition	Temperature: 32°C to 44°C	

Sl.No	Particulars	BHEL Specification	Vendors offer
11.0	Power supply	Shall be operatable either from a direct 230 $\pm$ 10% V, 50 $\pm$ 3 Hz, Single Phase AC supply available in shop (or) through the battery backup provided in the machine. The battery shall be of rechargeable type through the 230V, 1 Ph, AC supply.	
11.1	Battery Capacity	It should be capable of meeting energy requirement for 8 Hrs. uninterrupted working. Vendor to indicate the type and Power rating of the Battery used.	
11.2	Battery type	Shall be of Sealed Maintenance free type and of standard rating & size. The make shall be Exide, Amaron (or) equivalent. Vendor to specify about the type, model & make.	
11.3	Alarms / Indications, protection features	Shall have preferably indications such as battery low, gun clogged, etc. Vendor to provide the list of such alarm & safety features available in the machine.	
11.4	Input power cable length	The input power cable shall be of flexible, multi strand copper cable of suitable size and preferably of length 25 mtrs. Vendor shall mention the cable length. Also the receptacles and other switchgears shall be of Indian standard.	
12.0	Spares/ consumables	Vendor should quote all the consumables and spares list for two years of operation. The price for spares shall be quoted item wise. The Vendor shall submit the parts list along with the offer.	
13.0	O & M manuals	3 Copies of Operation & Maintenance Manual hard copy & One soft coy in CD in English language to be provided	
14.0	Test certificate	The equipment shall be tested for its performance at supplier's work prior to dispatch of the equipment and test certificate shall be provided.	

Sl.No	Particulars	BHEL Specification	Vendors offer
15.0	Commissioning	Vendor to commission the equipment and demonstrate its features to during commissioning at BHEL Trichy works.	
16.0	Training	Vendor has to give training at BHEL, Trichy for one day.	
17.0	Guarantee	Guarantee for a period of 12 months from the date of commissioning of the equipment or 18 months from the date of dispatch whichever is earlier .	