



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 76 53 Fax : +91 431 252 07 19 Email : skaruna@bheltry.co.in Web : www.bhel.com |
| NOTICE INVITING TENDER | |

| | | | |
|-------------------------------------|------------------------|----------------------|--|
| TWO PART BID | Enquiry Number: | Enquiry Date: | Due date for submission of quotation: |
| Tender to be submitted in two Parts | 2631600013 | 09.07.2016 | 26.07.2016 |


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 offer is reaching physically our office before 14.00 hrs on the Date of tender opening.

| Item | Description | Quantity |
|------|--|----------|
| 10 | Hydraulic Hose Crimping Machine as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or http://tenders.gov.in) | 1 No. |

Important points to be taken care during submission of offer

1. Compliance Form No: TRY/IND/08 to be filled and enclosed along with the 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.
3. Delivery required: 3 months from the date of Purchase Order.
4. Commissioning , Demonstration/ Performance prove out of the equipment shall be done at BHEL, Trichy by the vendor.

BHEL's General guidelines / instructions (refer MM/CE/GENL/001), compliance form and technical specification 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 "2631600013".

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|---|--|
| <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>DGM / Capital Equipment / MM</p> |
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S. KARUNANIDHY
Dy. General Manager
Capital Equipment / MM
BHEL, Tiruchirappalli - 620014.

PART – A

QUALIFYING CRITERIA FOR HYDRAULIC HOSE CRIMPING MACHINE

| S.No | BHEL Specification | Vendor's offer |
|------------|--|----------------|
| 1.0 | Qualifying criteria | |
| 1.1 | The BIDDER / VENDOR (OEM) shall have a minimum of FIVE Years of Continuous Experience in the Design, Manufacture & Supply of "HOSE CRIMPING MACHINES". 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 TWO numbers of CRIMPING MACHINE similar equipment specified under Part B, in the past THREE years (as on original date of opening of Tender) and is presently working satisfactorily for more than one year after commissioning (as on original 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 HOSE CRIMPING MACHINE as referred under clause 1.2 above, for a minimum period of one year from the date of commissioning (as on the original date of tender opening) from their customers. Performance certificate as Original Certificate or E-mail directly from the customer may be submitted. The original certificate may be returned after verification by BHEL, if required. For obtaining the Performance certificate, a suggestive format is provided on page-2. | |
| 1.4 | The BIDDER / VENDOR to furnish Reference List of Customers, with complete address, details of contact person, where HOSE CRIMPING MACHINE has been supplied in the past three years. | |
| 1.5 | Specify details of HOSE CRIMPING MACHINE supplied to other units of BHEL, if any (Year of commissioning with details etc.) | |
| 1.6 | 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. | |

Suggestive Format of Performance Certificate:

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

PERFORMANCE CERTIFICATE

1 Supplier of the Hose crimping machine

2 Make & Model of the Hose crimping machine

3 Month & Year of Commissioning

4 Performance of the Hose crimping machine Satisfactory / Not Satisfactory
(Strike off whichever is not applicable)

5 After sales service Satisfactory / Not Satisfactory
(Strike off whichever is not applicable)

6 Any Other remarks

Date:

Signature & Seal of the Authority
Issuing the Performance Certificate

PART B

TECHNICAL SPECIFICATION FOR HYDRAULIC HOSE CRIMPING MACHINE, Qty: 01 No.

Purpose: For crimping all varieties (SAE100R1 to SAE100R13) of Hydraulic Hose of size range ¼" to 2".

| S.No | Description | Specification | Bidder's offer |
|------|--|---|----------------|
| 1 | Hose size range to be crimped | ¼" to 2" hydraulic hose | |
| 2 | Type | Hydraulically operated; Horizontal bench type | |
| 3 | Maximum crimping force | Vendor to specify | |
| 4 | Maximum pressure | Vendor to specify (Not exceeding 315 bar) | |
| 5 | Hydraulic pump output | Vendor to specify | |
| 6 | Motor power in hp | Vendor to specify | |
| 7 | Oil tank capacity | Vendor to specify | |
| 8 | Control type | Double acting solenoid valve type (24 volts supply) | |
| 9 | Maximum opening of Dies | Vendor to specify | |
| 10 | Dimensions of master die | Vendor to specify | |
| 11 | Pressure gauge | Glycerin filled Pressure gauge to be fixed on the panel to view the working pressure of the equipment | |
| 12 | Total machine dimension | Vendor to specify | |
| 13 | Total machine weight | Vendor to specify | |
| 14 | Die sets for various hose sizes. | Minimum 10 die sets to crimp all sizes of hoses between ¼" to 2". | |
| 15 | GENERAL: | | |
| 15.1 | Catalogue with full technical details of the offered model should be sent along with the offer. The catalogue should contain the pictorial view of the offered model also. | | |
| 15.2 | Details like rating, specification, make of electric and mechanical bought-out items shall be listed in the offer | | |
| 15.3 | O & M manuals: 2 copies of the detailed Operation and Maintenance manual and safety instructions in English to be provided along with the equipment. | | |
| 15.4 | Manufacturing drawing of the hydraulic fittings for all the hose sizes between ¼" to 2" size - 1 set | | |
| 16.0 | SPARES | | |
| 16.1 | Die sets for all the sizes of the hose listed above- 2 sets (Total 2 sets of dies i.e. minimum of 20 sets of die sets should be supplied along with the equipment) | | |
| 16.2 | One spare master die set (Total 2 master die set should be supplied along with the equipment) | | |
| 16.3 | Complete Seal kit for the piston and cylinder arrangement in the equipment- 2 sets | | |

| S.No | Description | Specification | Bidder's offer |
|------|---------------------------------|--|----------------|
| 17.0 | Pre dispatch Inspection: | The equipment shall be offered for inspection prior to dispatch at vendors works. 1 Set of documentation (in English) shall be offered during inspection | |
| 18.0 | Commissioning: | Supplier shall be responsible for carrying out the commissioning of the Hydraulic Hose Crimping Machine. Supplier should demonstrate/ prove all the functions of the performance at BHEL works. Vendor should come with one sample of 1" hydraulic fitting for prove out of the machine at BHEL. Bare hose will be given by BHEL free of cost. | |
| 19.0 | Performance Guarantee: | Machine has to be guaranteed for its performance, for a minimum of 12 months from the date of commissioning. Or 18 months from the date of supply whichever is earlier. | |