



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 70 49

Fax : +91 431 252 07 19

Email : [csguna@bheltry.co.in](mailto:csguna@bheltry.co.in)

Web : [www.bhel.com](http://www.bhel.com)

#### TWO PART BID

Tender to be submitted in two parts.

**Enquiry  
Number:**

**2620900172**

**Enquiry  
Date:**

**01.09.2009**

**Due date for submission  
of quotation:**

**20.10.2009**

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   | <b>Videoscope</b> as per the technical specification, general guidelines instructions & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> ) | <b>01 No.</b> |

#### Important points to be taken care during submission of offer

1. Delivery required 4 months from the date of purchase order.
2. Grace period of 1 months beyond the above delivery period will be considered.
3. Checklist to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.

BHEL's General guidelines / instructions (refer MM/CE/GT/001) including bank guarantee formats and list of consortium banks, commercial terms check-list 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 "2620900172".

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

Sr.Manager / MM / Capital Equipment

**PART A****QUALIFYING CRITERIA FOR THE SUPPLY OF VIDEOSCOPE****Qty: 1 No.****SECTION – I**

The BIDDER / VENDOR has to compulsorily meet the following requirements to get qualified for submitting an offer for the Videoscope

| <b>S. No.</b> | <b>REQUIREMENTS</b>  | <b>VENDOR's COMMENTS</b> |
|---------------|--|--------------------------|
| <b>1.0</b>    | The BIDDER / VENDOR shall have a minimum of THREE Years of Continuous Experience (from the date of tender opening) in the Design, Manufacture & Supply of "Videoscope". Kindly indicate the actual experience.   |                          |
| <b>2.0</b>    | The BIDDER / VENDOR shall have supplied at least one number of "Videoscope" in the last 5 years (from the date of tender opening) in India. Kindly confirm and indicate the number of equipments (quoted model) sold in 2004-09 in the world.  |                          |
| <b>3.0</b>    | Reference List of Customers and Performance Certificates from CUSTOMER(S) with full contact details of CONTACT PERSON.   |                          |
| <b>4.0</b>    | 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.   |                          |
| <b>5.0</b>    | DELIVERY - The bidder shall quote the best possible delivery. However the delivery shall not exceed 4 months with an additional grace period of 1 month. The additional grace period will attract a penalty which is explained in the commercial terms of the enquiry.<br>The delivery period shall be reckoned from date of purchase order to despatch from the vendor works. |                          |

**SECTION – II**

The BIDDER / VENDOR has to necessarily provide the following details, for making an assessment of the firm's capability and competency:

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

| <b>S. No.</b> | <b>PARTICULARS</b>   | <b>VENDOR's RESPONSE</b> |
|---------------|--|--------------------------|
| <b>7.0</b>    | Number of Years of Experience of the BIDDER/ VENDOR in the field of manufacturing and supplying "Videoscope"   |                          |
| <b>8.0</b>    | Number of Videoscope supplied & commissioned till date.  |                          |
| <b>9.0</b>    | Year of launch of the Model quoted against this Enquiry?   |                          |
| <b>10.0</b>   | Is there any other model launched after the quoted Model? Otherwise, indicate the likely year in which the next model is likely to be launched?                                |                          |
| <b>11.0</b>   | Number of "Videoscope" supplied & commissioned till date in the quoted Model?  |                          |
| <b>12.0</b>   | Details on International standards followed in Design of the Equipment (including analysis methodology and verification of equipment). Calibration standards of the equipment. |                          |
| <b>13.0</b>   | Any Additional Data to supplement the manufacturing capability of the BIDDER   |                          |

**SECTION – III**

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

| <b>S.No.</b> | <b>REQUIREMENTS</b>   | <b>VENDOR's COMPLIANCE</b> |
|--------------|---|----------------------------|
| <b>14.0</b>  | The BIDDER / VENDOR shall submit the offer in TWO PARTS - Technical & Commercial and Price Bid. The Technical Offer shall be in line with the BHEL Technical Specifications and the Guidelines or Annexure mentioned, wherever applicable.  |                            |
| <b>15.0</b>  | The Technical Offer shall contain a comparative statement of Technical Specifications given by BHEL and the Offer Details submitted by the Bidder, against each clause of the specifications.   |                            |
| <b>16.0</b>  | 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.  |                            |
| <b>17.0</b>  | The Technical Offer shall be supported by Product Catalogue, drawings, manuals and Data Sheets in ORIGINAL and complete technical details of 'Bought-Out-Items' with copies of Product Catalogue and Selection Criteria. This should include operational and maintenance spares also. |                            |
| <b>18.0</b>  | 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   |                            |
| <b>19.0</b>  | The reference List of Customers shall be accompanied with the details (Phone Number/E-Mail ID) of the CONTACT PERSON for cross reference  |                            |

**PART B****Technical Specification for INDUSTRIAL VIDEOSCOPE****1.0 BRIEF DESCRIPTION :**

**INDUSTRIAL VIDEOSCOPE:** .Consisting of base unit, videoscope probe, optical tips, AC adopter, battery, battery charger and carrying case.

**2.0 SPECIFICATION :**

| SI No | Description                       | BHEL Requirement  | BIDDER's COMMENT |
|-------|-----------------------------------|---|------------------|
| 2.1.0 | <b>Base Unit</b>                  | Base unit with integral processor, LCD monitor and integral memory                                    |                  |
| 2.2.0 | <b>Videoscope Probe</b>           | Flexible  |                  |
| 2.2.1 | <b>Diameter</b>                   | 6 to 8 mm   |                  |
| 2.2.2 | <b>Length (minimum)</b>           | 3 m   |                  |
| 2.2.3 | <b>Construction</b>               | a) Water and Dust proof<br>b) Scratch proof<br>c) Must be shock absorbing                             |                  |
| 2.2.4 | <b>braiding</b>                   | Tungsten braiding   |                  |
| 2.2.5 | <b>Angulations / articulation</b> | a) 120° bend with 360° observation<br>b) Motorized joystick control<br>c) Articulation locking system |                  |
| 2.3.0 | <b>Standard optical Tips</b>      |   |                  |
| 2.3.1 | <b>Field of view</b>              | i) Forward / Straight (0°) :120°<br>ii) Side (90°) : 120°   |                  |
| 2.3.2 | <b>Depth of field</b>             | iii) Forward / Straight (0°) :25mm - infinity<br>iv) Side (90°) : 25mm - infinity                     |                  |

|        |  |   |  |
|--------|--|---|--|
| 2.4.0  | <b>Measuring facility</b>                      | Measuring facilities for dimensional analysis of defects noticed  |  |
| 2.5.0  | <b>Light source</b>                            | i) High intensity LED illumination<br>ii) Brightness control  |  |
| 2.6.0  | <b>processor</b>                               | i) VGA / S output<br>ii) Full motion recording & play back, capturing still images  |  |
| 2.7.0  | <b>Image storing capacity</b>                  | i) 1 GB Flash memory<br>ii) Video & still storing facility  |  |
| 2.8.0  | <b>monitor</b>                                 | TFT LCD multi colour display screen size 6" or more   |  |
| 2.9.0  | <b>Zoom</b>                                    | Minimum up to 3 X zoom facility   |  |
| 2.10.0 | <b>Audio / video out put</b>                   | Full motion Audio / video recording and play back   |  |
| 2.11.0 | <b>Power supply</b>                            | i) Input 230 V $\pm$ 10 % AC, 50 Hz,<br>ii) DC Chargeable batteries<br>iii) DC Chargeable batteries (spare 1 no.)   |  |
| 2.12.0 | <b>White balancing</b>                         | Factory default or user defined   |  |
| 2.13.0 | <b>Scope interchangeability</b>                | Interchangeability of Scope with base unit  |  |
| 2.14.0 | <b>Carrying case</b>                           | Rugged ABS, impact resisting  |  |
| 2.15.0 | <b>Weight</b>                                  | Less than 15 Kg including carrying case   |  |
| 2.16.0 | <b>Service Manual</b>                          | Service Manual (in English shall be provided  |  |
| 2.17.0 | <b>Commissioning t at BHEL</b>                 | Commissioning shall be done by the supplier free of cost. After the installation, the supplier has to run the equipment and demonstrate its performance at BHEL works for full functionality. |  |
| 2.18.0 | <b>Training on Operation &amp; Maintenance</b> | Training on Operation and Maintenance for BHEL Staff free of cost by the supplier.  |  |

|        |                                |   |  |
|--------|--------------------------------|---|--|
| 2.19.0 | <b>Guarantee</b>               | Performance Guarantee for 12 months from the date of commissioning. Free service during Guarantee period shall be provided.   |  |
| 2.20.0 | <b>AMC and service support</b> | An AMC programme, through trained service personnel in India, shall be offered <u>including replacement of spares</u> for a period of two years & shall be quoted for. (AMC shall commence only after the Guarantee period) |  |