



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 7421/ 7297 Email : vkarna@bhel.in , hari.r@bhel.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	2622000007	06.06.2020	10.07.2020

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.

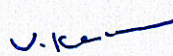
Please note that under any circumstances both delayed offer and late offers will not be considered. Hence vendors are requested to ensure that the offer is reaching physically our office before 14:00 hrs on the Date of tender opening.

Item	Description	Quantity
10	Industrial Videoscope as per the technical specification & commercial conditions applicable (to be downloaded from web site www.bhel.com or https://eprocure.gov.in/epublish/app)	1 No.

Important points to be taken care during submission of offer

1. Delivery terms shall be FOR BHEL Stores, Trichy for indigenous vendors and CFR Chennai Airport/ Seaport for foreign vendors.
2. Compliance Form ATP/ TRY/ IMP/ 02 & ATP/ TRY/ IND/ 02A to be filled and enclosed along with the offer failing which, the offer will not be considered for evaluation.
3. EMD applicable for this enquiry is INR 1,00,000/-
4. Delivery period required is 3 months from the date of Purchase Order.
5. Erection and commissioning activities shall be done by the supplier, at BHEL, Trichy works.
6. Time period required for Erection and Commissioning activities shall be 1 week from the date of intimation by BHEL
7. 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/GENL/001- EMD), compliance form and technical specification can be downloaded from BHEL web site <http://www.bhel.com> or from <https://eprocure.gov.in/epublish/app> under Enquiry reference "2622000007".

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  DGM / MM/ Capital Equipment
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V. KARUNAKARAN
Dy. General Manager
Capital Equipment / MM
BHEL / Tiruchirappalli - 620 014

INDUSTRIAL VIDEOSCOPE, Qty: 1 no.**PART A****SECTION 1: Qualifying Criteria**

The Bidder has to compulsorily meet the Qualifying criteria indicated in SECTION 1 to get qualified otherwise the technical offer will not be considered.

S. No.	BHEL REQUIREMENTS	BIDDER'S RESPONSE
1.1	Only those BIDDER / OEM, who have manufactured, supplied and commissioned at least 2 Nos. of Videoscopes with flexible cable, 4-way articulation and display screen of 5 inch or above in the last 5 years as on the first date of tender opening.	
1.2	Bidder has to submit at least 1 Performance Certificate from any of their customers, for satisfactory performance of Videoscope as specified in clause 1.1 or above meeting the following conditions: (a) The Equipment must have been supplied within the last 5 years as on the first date of tender opening. (b) The Equipment must have performed satisfactorily for at least 1 year during this period.	
1.3	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.	

SECTION 2: The Bidder is requested to provide the following information:

S. No.	PARTICULARS	BIDDER'S RESPONSE
2.1	Details on Standards followed in Design and Testing of Videoscopes.	
2.2	Number of Videoscopes supplied & commissioned during last 5 years.	
2.3	The BIDDER shall give details about supply of similar videoscopes to other BHEL units if any with Make, Model and Year of Supply & Commissioning etc.	
2.4	Servicing facility to be available in India. Details on Service-After-Sales Set-Up in India (Address of Agents / Service Centres), to be furnished compulsorily.	
2.5	Any Additional Data to supplement the manufacturing capability of the BIDDER.	

SECTION 3: The Bidder to comply with the following:

S. No.	PARTICULARS	BIDDER'S RESPONSE
3.1	The Bidder shall submit the offer in Two Parts – Technical [with PART A & PART B] & Commercial and Price Bid.	
3.2	The VENDOR's RESPONSE column against each clause in PART A & B of the offer should be filled by the Bidder 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 models.	
3.5	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.	

INDUSTRIAL VIDEOSCOPE, QTY: 1 no.**PART B - Technical Specification**

S No.	BHEL REQUIREMENTS	BIDDER's OFFER (with supporting documents)
1.0	Application: Videoscope is intended for the visual examination of intricate and in accessible areas. Supply of illumination from power source, sighting of objects, display of images on a monitor shall be based on fibre optics. Inside surface of tubes will have to be examined with higher magnifications. The probe shall have four-way articulation for examination of inside surfaces of tubes.	
2.0	Job details: Tube ID: min. 13 mm and length: 16 metres Annular gap: 200 mm for a length of 18 metres.	
3.0	Features of the equipment:	
3.1	Bidder to specify the offered Make and model no.	
3.2	Display: Integral TFT or LCD or LED, inbuilt with the equipment, colour display with antiglare feature - Bidder to confirm and specify.	
3.3	Display Screen Size: 5 inch or above - Bidder to confirm and specify.	
3.4	Screen resolution (Min.): 640x480 pixels - Bidder to confirm and specify.	
3.5	Inbuilt memory: min. 1 GB. Bidder to specify the storage capacity in GB.	
3.6	Additional storage around 32 GB via SDHC Memory card /USB flash – Bidder to confirm and specify the storage capacity in GB.	
3.7	The Videoscope shall be compatible to Laptop/Computer. Bidder to provide suitable adaptors and compatible software for viewing the captured image and videos on a Laptop/Computer during visual examination. Bidder to confirm.	

S No.	BHEL REQUIREMENTS	BIDDER's OFFER (with supporting documents)
3.8	The equipment shall have provision for connecting to 230V, 50Hz AC input power supply through a suitable adapter – Bidder to confirm. It shall also have a standby battery with minimum backup of at least 90 minutes for on field applications. Bidder to specify the Battery backup time in hrs.	
3.9	Image & Video format - Bidder to specify	
3.10	Zoom level: Minimum 3X - Bidder to specify	
3.11	Image control: Brightness, Contrast & colour controls are required - Bidder to specify	
3.12	Measurement feature (Optional): to measure the Distance between two points in captured image. Bidder to specify	
3.13	Bright and high intensity LED illumination with brightness control is required - Bidder to specify	
3.14	Life span of LED (hrs) - Bidder to specify	
3.15	The equipment shall be reliable to work in tough environments and it should be sturdy. Ingress Protection std.: IP53 or above - Bidder to confirm.	
3.16	Articulation: 4-way articulation is required (left, right, up and down) with motorised /power assisted articulation. Bidder to specify the details about degree of articulation.	
3.17	Probe dia: 6 – 8.5 mm. Bidder to confirm and give details	
3.18	Insertion cable: Highly Durable Tungsten Braided - Bidder to confirm.	
3.19	Cable length: around 18 metres - Bidder to confirm.	
3.19.1	Bidder to suggest any suitable accessory for safe storage and dispensing of the 18m long Videoscope probe cable.	
3.20	Optional: The entire Length of the probe cable shall be marked in metres	
3.21	The probe shall be able to pass through straight and bent paths.	
3.22	Interchangeability of Distal end Optical Adaptor / Tips - Bidder to confirm.	
3.23	Forward /Straight tip Direction of view: Forward	

S No.	BHEL REQUIREMENTS	BIDDER's OFFER (with supporting documents)
	Field of view: 80 ° or above. Depth of focus: 20 mm to infinity or better	
3.24	Side view Tip Direction of View: Side Field of View: 50 ° or above. Depth of focus: 45 mm to infinity or better	
3.25	Bidder to specify the Maximum Operating temperature of the system. Working temperature of the probe: around 80 degree C - Bidder to confirm.	
3.26	Optional: Temperature sensor for the probe with warning indicator in case the working temperature exceeds the safe temperature limit of the instrument.	
3.27	Weight of the Instrument including display & Battery preferably not to exceed 8 kg. Bidder to confirm.	
3.28	Lens cleaning - Bidder to provide details.	
3.29	Image sensor: High resolution CCD. Bidder to confirm.	
3.30	Thumb Nail Display Feature - Bidder to confirm.	
3.31	Image Title Entry Features such as recording date, time etc. – Bidder to confirm.	
3.32	Carrying case for equipment and accessories shall be supplied - Bidder to confirm.	
3.33	Standard accessories shall be included in the supply along with the equipment - Bidder to confirm.	
4.0	Spares: The supplier shall provide a list of essential spares with specification/size and qty.	
5.0	Factory Inspection Certificate shall be submitted to BHEL for verification. The equipment shall be dispatched by the bidder only after clearance from BHEL - Bidder to confirm.	
6.0	Operation and Instruction manuals (in English) for the equipment shall be supplied in both hard copy - 3 sets and soft copy - 1 no. in CD or pen drive.	
7.0	Commissioning: The supplier has to assemble the equipment and accessories at BHEL, demonstrate and prove out all the features of the equipment and train BHEL personnel	

S No.	BHEL REQUIREMENTS	BIDDER's OFFER (with supporting documents)
	for a minimum period of 3 days. The equipment shall be considered as commissioned only after successful demonstration of all features and prove out.	
8.0	Guarantee: The equipment shall be guaranteed for a period of 12 months from the date of commissioning or 18 months from the date of despatch whichever is earlier.	