



An ISO: 9001
Organization

BHARAT HEAVY ELECTRICALS LIMITED

High Pressure Boiler Plant, Tiruchirappalli- 620014

Maintenance & Services Dept. (FB)

☎: (0431) 257-5958 Fax: (0431) 257-6805

[e-mail: avinashsahoo@bhel.in](mailto:avinashsahoo@bhel.in)

ENQ No: 9241800039

30.06.2018

NOTICE INVITING TENDER

NAME OF WORK: **High Pressure steam pipeline replacement at safety valves steam testing station in Bldg-7 –Reg.**

Ref: Enquiry no: 9241800039 Date: 30/06/2018; Due date: 23/07/2018

Tender of the following work should be submitted in a sealed cover consisting of three inner sealed covers such as 1) EMD cover, 2) Technical bid cover & 3) Price bid cover, all super- scribing the name of work, enquiry number, etc.

- 1) EMD cover shall contain requisite EMD of ₹ 9,000.00/- & Payment of EMD must be in e-Collect mode only as directed in Commercial T & C. **MSE** suppliers can avail EMD Waiver benefits only if they submit along with the offer, attested copies of either EM II Certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II Certificate along with attested copy of a CA Certificate (Format Enclosed).
- 2) Technical bid cover shall contain duly filled in Technical bid document signed by the tenderer in all the pages with documentary evidences for Pre-Qualification Criteria (PQC). Any bid without proper documentary evidence for PQC shall not be considered for further evaluation.
- 3) One set of unpriced bid of Contract Work Schedule duly signed by the tenderer for accepting the work content (Bill of Material- BoM) should be submitted along with the Technical bid for technical evaluation.
- 4) The price bid cover shall contain price bid document duly filled in and signed by the tenderer in all the pages. The tenderer has to quote most competitive rates for all the items given in the Bill of Quantities in price bid.

The complete Technical bid and price bid along with requisite **EMD of ₹ 9,000.00/-** shall reach the office of the undersigned on or before 23//2018 at 14.00 Hrs. **Tenders without EMD/ MSME proof as above will be summarily rejected and the Technical bid & Price bid shall not be considered for further evaluation.**

The Technical bid will be opened on the same day at 14.30 hrs. In case of opening day falls on holiday or happened to be declared as a holiday the receipt and opening of the tender shall automatically fall on the same timing of the next working day. Date and time of opening of the Price Bid shall be intimated only to the bidders those who have qualified after evaluation of the Technical bid. You / Your authorized representative may participate in the tender opening.

Clarification if any can be obtained from the Senior Engineer/ Contracts/ M&S.

Encl: 1) NIT – Notice Inviting tender (Consists of Preamble, Technical Bid & price bid)

Sign & Seal of Contractor



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Tender should be addressed to:

**THE SENIOR ENGINEER,
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPPALLI, TAMILNADU - 620014.**

NOTICE INVITING TENDER

01.	Name of work	High Pressure steam pipeline replacement at safety valves steam testing station in Bldg-7
02.	Earnest Money Deposit	₹ 9,000.00/-
03.	Duration of the contract	Five months (From the date of commencement of the work)
04.	Last Date for Receipt of Tender	14.00 Hrs. on 23/07/2018
05.	Date of Technical Bid Opening	14.30 Hrs. on 23/07/2018
05.	Date of Price Bid Opening	Will be intimated to those who are Qualified separately.
07.	Guarantee Period	Not applicable

The Tender documents can be downloaded from BHEL website (http://www.bhel.com/tender/tender_home.php) free of cost.

Tender document contains 14 Pages (Technical & Commercial Bid – 10 Pages, Schedule for Price Bid – 01 page, Sample format for CA certificate – 01 page).

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TECHNICAL BID

NAME OF WORK: **High Pressure steam pipeline replacement at safety valves steam testing station in Bldg-7**

Ref: Enquiry no: 9241800039 Date: 30/06/2018; Due date: 23/07/2018

PRE-QUALIFICATION CRITERIA

The following eligibility criteria shall be complied to fulfill the Technical bid:

Sl. No	Description	Vendor to confirm
1	The bidder should have previous experience in the field work mentioned below: Minimum ONE-year Work Experience in Heavy Metal Fabrication Works in any Engineering industry within past five years from the date of tender opening. The bidder shall submit PO copy of the work completed as supporting document, along with the offer, in order to qualify. Otherwise their offer is liable for rejection. Bidder to confirm.	
2	Name and contact details like E-mail, Phone number, Fax no, etc. of the customer/ company where the maintenance contract is executed. Bidder to give details.	
3	(i) BHEL Vendor code (if applicable) - (ii) PAN Number (Copy to be Enclosed) – (iii) GSTN registration Number (Copy to be Enclosed) – (iv) Mobile number (Which is linked to GSTN registration Number) – (v) Email id (Which is linked to GSTN registration Number) – (vi) HSN/SAC Code - Offer will be entertained only if the vendor submit the details as above & has a valid GST registration no. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer. Otherwise the offer shall be rejected.	
4	Acceptance for Scope of Work as per the Enquiry.	
5	Acceptance for All Terms & Conditions as per the Enquiry; viz. Safety, LD/Penalty, Risk Purchase, Suspension of Contract, Indemnity, BHEL Fraud Prevention Policy, etc. as given in “General Terms & Conditions”.	
6	BHEL may verify the information provided by vendor. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected. Bidder to confirm.	

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SCOPE OF WORK

NAME OF WORK: **High Pressure steam pipeline replacement at safety valves steam testing station in Bldg-7**

Ref: Enquiry no: 9241800039 Date: 30/06/2018; Due date: 23/07/2018

Sl. No	SCOPE OF WORK	QTY
10/10	<p>Pipeline renovation for steam testing station at building-7</p> <p>Brief Description of boiler: Type of boiler : Once Through Coil type Fuel : Super Kerosene Oil Boiler rating : 153 sq.m Boiler Design Pressure : 160 kg/ cm2 Hydro test pressure : 200 kg/cm2 Steam Flow rate : 2500 kg/hr Total no of coils : A, B, C, D, E, Roof Spiral coil and Plain Eco Coil. Pipeline sizes (ODxt, in mm) : 33.4x6.35, 31.8x2.9, 21.3x2.6, 33.4x4.55, 48.3x7.14, 21.3x3.73, 44.5x5.0 Tube materials : SA106GrB/SA210GrA1/SA213T22</p> <p>Scope of the Work: The scope of work involves, cutting, removal of cut pipes and valves, placing new pipeline, valves and connectors in correct position, welding of pipelines and valves. After erection completion, preparation of the same for LP test, Radiography test of weld joints and hydro testing of newly installed tubes by pressurising the pipelines starting from boiler shell to steam testing accumulator 144 cu.ft and 22 cu.ft.</p> <p>Reference Drawings: a)2-02-600-00065 b)1-V-7999-10491 c)1-V-7999-10487 d)1-02-600-00047 e)1-02-600-00012</p> <p>1.The high pressure steam pipelines starting from the boiler shell outlet to steam inlet to 144 cu.ft and 22 cu.ft accumulator are to be cut by saw or grinding wheel and removed.</p>	01AU

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2.The pressure drain lines, drain lines, vent tubes and valves connected with the 144 cu.ft and 22 cu.ft accumulator are to be cut by saw or grinding wheel and removed.

3.All the valves, tube/pipe bends and connectors, if any, present in the proposed replacement pipeline are also has to be cut and removed.

4.The vertical separator, 2.5 T/hr boiler header, 0.8T boiler header and common headers are to be retained in position.

5.New pipelines and valves supplied by BHEL are to be placed in suitable position as per the referred drawings and welding to be done a per the instruction of WTC, BHEL

6.BHEL supplied full free length pipes are to be cut and used, in case of any discrepancy in pipelines.

7.If any edge preparation required at the spot during welding of the tubes, it shall be carried out by the vendor.

8.All the cut tubes may be taken out from the line using crane. And shall be kept at a specified area by MMO supervisor/Executive.

9.All weld joints shall be tested by LP and RT. If any joints failed, the same shall be reworked welded and again LP and RT shall be done till the weld joint is declared OK. Arranging for LP and RT test is the scope of the contractor.

10.NDTL of BHEL will carryout RT/LP test for the weld jonts.

11.After welding the entire pipelines are to be hydro tested for 200 kg/cm², after providing dummy for the safety valve.

12.The boiler repair works are classified as Grade-1 in nature and hence the contract will be awarded to an IBR approved Boiler repair organisation, who possess the boiler repair license. The contractor has to produce evidence for the above, otherwise the offer will not be considered.

13.After satisfaction to BHEL executives, the same test shall be done in the presence of Deputy Director of Boiler. This shall be arranged by the contractor.

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	<p>14. On successful completion of hydro test in presence of the DDB, the pressure in the pipelines and boiler shell coils shall be nullified and dummies shall be removed.</p> <p>15. On completion of all works the surrounding of the boiler is to be cleaned and the scraps to be moved to scrap bin by the contractor.</p> <p>16. Required Oxygen and acetylene cylinders, welding consumables, cotton waste, gaskets, kerosene, compressed air, electric power, water for hydro test, emery sheet and test kit for LPI test will be provided by BHEL and also required statutory fees payable Boiler inspectorate will be paid by BHEL.</p> <p>17. Required skilled fitters, helpers, IBR certified welders and supervisors are to be engaged by the contractor.</p> <p>18. Gas cutting sets with hoses and regulators, 3 phase welding machine with cables, grinding machines along with grinding wheels for removing the weld mend on both end plates with the tubes if required, pullers to withdraw the tubes, tube expanders, necessary tools and tackles required for the tube replacement work are scope of the contractor.</p> <p>19. Period of contract is five months.</p> <p>20. 100% payment will be made after completion of entire work and receipt of boiler operation certificate.</p>	
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GENERAL TERMS AND CONDITIONS FOR M&S MECHANICAL CONTRACTS

1. SAFETY:

- a) Safety precautions have to be ensured by the Contractor Depending on the work. Necessary work permit system and personal protective equipment's (PPE) such as electrical resistance rubber gloves, helmet, spectacle goggles, safety shoes, safety belt, etc. as applicable to Mechanical works should be adhered while carrying out the work.
- b) PPEs for appropriate trade job has to be ensured by the contractor at the job site at all times.
- c) The work nature may demand working at heights and/or at depth areas. Hence all staff members must be of sound Physical and Mental Health who can complete the job without harming himself and others.
- d) In case any employee found incompetent to carry out the work as stated above/ misbehaving others/ consumed alcohol, he shall be sent out of the factory and the contractor has to arrange alternate manpower immediately. Else the day shall be marked absent.

2. Contractor may visit BHEL Trichy premises to get acquaintance with quantum of work before quoting.

3. TENDERING CONDITIONS:

- a) The Bidders shall submit the offer in **TWO PART BID SYSTEM** (Part -I & II) along with EMD as indicated below which shall be sealed in ONE OUTER ENVELOPE.
- b) Envelope I- This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid. This envelope should be clearly marked "Part I - Technical and commercial bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder. Envelope I should contain sealed EMD cover indicating the enquiry detail.
- c) Envelope II - This sealed envelope should contain price details. This envelope should be clearly marked as - "Part -II Price bid", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- d) Envelope III - This sealed envelope should contain requisite **EMD**. This envelope should be clearly marked as - "EMD COVER", indicating Enquiry No., Due Date and Address & Reference of the Bidder.
- e) All the three envelopes shall be put in one cover, duly sealed, super scribing as offer for Enquiry No., and due date of opening, Name of the work and the address and reference of the Bidder.
- f) The offer should reach this office on or before the due date by 14.00 Hrs. (IST). Late offers will not be considered.
- g) Tender should not be addressed to any Individual's name but only by designation to:

THE SENIOR ENGINEER
MAINTENANCE & SERVICES / CONTRACTS, 2&4 BUILDING,
BHARAT HEAVY ELECTRICALS LIMITED, HPBP,
TIRUCHIRAPALLI, TAMIL NADU, INDIA - 620 014.

- h) Tenders should be free from CORRECTION AND ERASURES, Corrections if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
- i) Offers should be in ENGLISH and accompanied by detailed Point to point confirmation of the scope of work.

4. OPENING OF TENDERS:

- a) The Part I - Technical & un-priced commercial bid and EMD Cover alone would be opened on the Tender

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opening date (as mentioned in the enquiry) by 14.30Hrs(IST).

- b) The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically Suitable Bidders would be informed about the Price bid opening date.
- c) Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

6. GST:

- a) Response to Tenders for Contractor will be entertained only if the vendor has a valid GST registration no which should be clearly mentioned in the offer. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.
- b) Contractor shall mention their GST regd. number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC, etc.
- c) All invoices shall bear the HSN Code for each item separately (Harmonized System of Nomenclature)/ SAC (Services Accounting Code).

7. LD/ PENALTY CLAUSE:

If the contractor fails to complete the work as per terms & conditions of the order within the delivery schedule, 0.5% of the order value will be deducted from the bill/ recovered from the SD for each week of delay or part there of subject to a max. of 10% of the total contract value.

8. RISK PURCHASE:

In the event of any successful Tenderer's failure to fulfil any of the Tender / Contract obligations as per Contract / Agreement BHEL may entrust the job to alternate source and get it completed to meet BHEL requirement and additional expenditure, if any, including consequential cost, will be fully recovered from the Tenderer Contractor who failed to complete the job in line with Contract. The decision of BHEL with regard to the actual losses / consequential expenditures incurred by BHEL shall be final and binding on the Tenderer / Contractor.

9. SUSPENSION OF CONTRACT:

In the event of non-completion of contract/ un-satisfactory performance reported by the area Executive, resulting in cascading of events leading to impact in a negative way on financial/ safety/ procedures of various sections/ departments, the contract shall be terminated immediately with intimation and action shall be taken against the contractor as per the extant 'Guidelines for Suspension of business dealings with Suppliers/ Contractors'.

10. INDEMNITY:

The Contractor shall have to indemnify BHEL against all claims for injury or damage to any person or property caused by his negligence or negligence of his employees whilst in BHEL premises / sites.

11. BHEL FRAUD PREVENTION POLICY:

The bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice.

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COMMERCIAL TERMS AND CONDITONS FOR M&S MECHANICAL CONTRACTS

- 1) 100% payment will be made after completion of entire work pro-rata basis on submission of invoice in triplicate duly certified by Area In-charge.
- 2) Attendance register should be maintained.
- 3) **Payment of EMD & SD must be in e-Collect mode only, while making such payment, Enquiry number may be mentioned in Remark column. Offers without EMD shall be liable for rejection.**
Procedure to remit money to BHEL Trichy's Account:
Login to : <https://www.onlinesbi.com/prelogin/icollecthome.htm?corpID=574693>
 - a) Select State Bank Collect available on the top (pre login page)
 - b) Accept the terms and conditions and click "PROCEED"
 - c) Select State "TAMILNADU "and Institution type "INDUSTRY "
 - d) Select "BHEL TRICHY" under "INDUSTRY".
 - e) In the next page, select APPROPRIATE category, fill details correctly & click "SUBMIT".
 - f) If all details entered are correctly populated, click "CONFIRM "to proceed.
 - g) Make payment as per your convenience. (Options available are payment of fees through **SBI Net Banking, State Bank ATM cum Debit Cards / Other Bank Debit / Credit Cards and through SBI Branches**).
 - h) SAVE & Keep the copy of receipt for future reference.
- 4) Security Deposit shall be furnished by the successful vendor to the total contract value before starting the work. The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit. **SD will be forfeited in case of any failure in execution of the contract or due to any shortcomings observed in the documentation furnished earlier for getting qualified or in case the Contractor is banned.**
- 5) An additional payment as per circular ref. BHEL: HR: W: EW, dt.08.04.2014 is to be paid to the contract workmen as below, over and above the minimum wages prescribed by the government of Tamil Nadu:

Unskilled	- Rs.3200/-
Semiskilled	- Rs.3700/-
Skilled	- Rs.4100/-
- 6) Bonus @ 8.33 % to workmen to be paid.
- 7) **Rate should be quoted as per price bid.**
- 8) Taxes if any will be mentioned separately in the offer.
- 9) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding and lodging.
- 10) The contractor should quote the validity of the offer.
- 11) If two or more vendors offer the same rate, negotiation will be conducted separately.
- 12) The contractor should remit the salary/wages for their workmen only through Bank. Monthly clearance will be given in respect of all contractors, if only the salary/ wages to the workmen has been remitted through the bank account of the contract workmen. The relevant Bank statement/proof for Bank payment should be produced along with PF and ESI challans to Welfare Section every month.

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SCHEDULE FOR PRICE BID

NAME OF WORK: **High Pressure steam pipeline replacement at safety valves steam testing station in Bldg-7**

Ref: Enquiry no: 9241800039 Date: 30/06/2018; Due date: 23/07/2018

Sl. No.	Scope of Work	Total Qty	UoM	Rate/ Unit	Value
10/10	Pipeline renovation for steam testing station at building-7	01	AU		-NA-

- ❖ Taxes if any should be quoted extra.
- ❖ Value = (Total Qty.) X (Rate per Unit)
- ❖ Evaluation shall be done on item wise L1 basis.

AWARD OF CONTRACT & PAYMENT TERMS:

1. Payment terms: Payment will be made after completion of work on pro rata basis on submission of invoice in triplicate duly certified by Engineer in Charge.
2. Tax deduction will be made from every bill at the prevailing rate as per the Government rules & regulation from time to time.
3. Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender.

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Certificate by Chartered Accountant on Letter Head

This is to certify that M/s. _____ (hereinafter referred to as 'company') having its registered office at _____ is registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part II)) _____ dt. _____, Category: (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year _____ as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006):

₹ _____ Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act 2006):

₹ _____ Lacs

(Strike off whichever is not applicable)

The above investment of ₹ _____ Lacs is within permissible limit of ₹ _____ Lacs for _____ Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date: (Signature)

Name:

Membership number:

Seal of Chartered Accountant