

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt.of India Undertaking)

High Pressure Boiler Plant, Tiruchirappalli 620 014, India

MAINTENANCE & SERVICES DEPARTMENT

☎: (0431) 2575263 Fax: (0431) 2576805 e-mail:gtraj@bheltry.co.in



ISO 9001

NOTICE INVITING TENDER

Sub: Calibration of Vortex Type Compressed air Flow Meters Located at Compressor Houses and in Individual Buildings Entry at Unit-I– Reg.

Ref: Enquiry no: **9251600049/ Dated: 03/12/2016. Due date: 28/12/2016, 14.00 Hrs.**

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 Rs. 4200/-** remitted in cash (as permissible under Income Tax Act)/Electronic Fund Transfer credited in BHEL account before tender opening or Banker's cheque/Pay order/Demand Draft in favour of M/S BHEL Trichy. Tender without EMD will be summarily rejected and the Technical bid & price bid shall not be considered.
- 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 such as experience, value of work executed in the similar nature of work etc. Any bid without proper documentary evidence for pre-qualification 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 (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 Rs. 4200/-** shall reach the office of the undersigned on or before **28/12/2016, 14.00 Hrs.**

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). Tenders without EMD/MSME proof as detailed above will be summarily rejected.

Sign & Seal of Contractor

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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 undersigned.

Kindly acknowledge the receipt of the entire set of tender document.

Thanking you,

Yours faithfully,

For Bharat Heavy Electricals Limited,
Sr.Manager/Contracts
Maintenance & Services Dept

Encl:

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

Tender should be addressed to: **THE SENIOR MANAGER,
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING, BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPPALLI - 620014,
TAMILNADU**

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NOTICE INVITING TENDER

01.	Name of work	Calibration of Vortex Type Compressed Air Flow Meters Located at Compressor Houses and in Individual Buildings Entry at Unit-I
02.	Earnest Money Deposit	☐ 4200/-
03.	Duration of the contract	6 Months (From the date of commencement of the work)
04.	Last Date for Receipt of Tender	14.00 Hrs on 28/12/2016
05.	Date of Technical Bid Opening	14.30 Hrs on 28/12/2016
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 down loaded from BHEL website (www.bhel.com) / govt. website (www.tenders.gov.in) at free of cost.

Tender document contains **12** Pages (Technical Bid – **11** Pages, Schedule for price bid – **01** page).

ISSUING OFFICER

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TECHNICAL BID

NAME OF THE WORK: Calibration of Vortex Type Compressed Air Flow Meters Located at Compressor Houses and in Individual Buildings Entry at Unit-I – Reg.

Enquiry no: 9251600049/ Dated: 03/12/2016. Due date: 28/12/2016, 14.00 Hrs.

PRE-QUALIFICATION CRITERIA

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

The BIDDER / VENDOR has to compulsorily meet all the following requirements to get qualified for consideration of the AMC of the battery operated trolleys in HPBP-Trichy. If the vendor does not qualify as per PRE- QUALIFICATION CRITERIA, the technical offer of such BIDDER(s) / VENDOR(s) offer will not be evaluated.

Sl. No	Description	Vendor to confirm
1	The bidder shall have calibration laboratory accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) for flow calibration. The NABL accreditation is to be supported by the copy of valid certificate of accreditation.	
2	Only those bidders, who are meeting the above qualifying criteria point, will be considered for further evaluation and others will be summarily rejected.	
3	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.	
4	PAN Number (Copy to be Enclosed)	
5	Service tax Registration Number (If applicable) – Certificate copy to be enclosed	
6	Acceptance for Scope of Work as per the Enquiry	
7	Acceptance for All Terms & Conditions as per the Enquiry	

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SCOPE OF WORK:

NAME OF THE WORK: Calibration of Vortex Type Compressed Air Flow Meters Located at Compressor Houses and in Individual Buildings Entry at Unit-I – Reg.

Sl. No	SCOPE OF WORK	UOM	QTY
10/ 10	Calibration of Vortex Type Compressed Air Flow meter mentioned below; Make : Iota Flow Systems Pvt.Ltd. Model : VMFM-100-2-A-P-O-O-B-I-E-PTC FG Serial No. : 14030701 Meter Size : 4" (100mm) K-Factor : 1362 Flow Media : Compressed Air Flow range : 0-4250 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature: : 50 deg.C(max) (Minimum five readings are required for the entire calibration range) Calibration Periodicity: 1 Year or more Accuracy: +/- 1.0 %.	NO	1

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	SCOPE OF WORK:		
	Calibration of Vortex Type Compressed Air Flow meters mentioned below;		
	a) Make : IotaFlow Systems Pvt. Ltd. Model : VMFM-200-2-S-P-O-O-B-I-E-PTC FG Serial No. : 14030704 Meter Size : 8" (200mm) K-Factor : 149.1 Flow Media : Compressed Air Flow range : 0-13600 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature : 50 deg.C(max)		
	b) Make : IotaFlow Systems Pvt. Ltd. Model : VMFM-200-2-S-P-O-O-B-I-E-PTC FG Serial No. : 14030703 Meter Size : 8" (200mm) K-Factor : 149.2 Flow Media : Compressed Air Flow range : 0-13600 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature : 50 deg.C(max)		
10/ 20	c) Make : IotaFlow Systems Pvt.Ltd. Model : VMFM-200-2-S-P-O-O-B-I-E-PTC FG Serial No. : 14030702 Meter Size : 8" (200mm) K-Factor : 149 Flow Media : Compressed Air Flow range : 0-13600 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature : 50 deg.C(max)	NO	4
	d) Make : IotaFlow Systems Pvt. Ltd. Model : VMFM-200-2-S-P-O-O-B-I-E-PTC FG Serial No. : 14030705 Meter Size : 8" (200mm)		

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<p>K-Factor : 149 Flow Media : Compressed Air Flow range : 0-13600 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature : 50 deg.C(max)</p> <p>(Minimum five readings are required for the entire calibration range)</p> <p>Calibration Periodicity: 1 Year or more Accuracy: +/- 1.0 %.</p> <p><u>Common Note for Items 10 and 20;</u></p> <p>1) The Copy of valid NABL certificate with the scope of accreditation shall be submitted along with the offer.</p> <p>2) The accuracy of reference masters used for calibration shall have minimum TWO times better accuracy than the BHEL's instrument (UUC).</p> <p>3) The Calibration certificate should incorporate all the below mentioned details:</p> <p>i) The Name and unique Sl.No. of the BHEL's instrument. ii) Date of Calibration and the Due date for Next Calibration. iii) Name and address of the customer has to be mentioned in the certificate as "M/s.BHEL, M&S Department, Trichy-14" iv) The details of the reference masters used for calibration like Sl.No., Range, Standard Value for measurement, Accuracy, etc. The accuracy of reference masters used for calibration shall have minimum TWO times better accuracy than the BHEL instrument (UUC). v) Details of Traceability for the reference master instruments. vi) Standards/Procedure followed for calibration. vii)The calibration certificate shall include "as found and as left data". If both "as found and as left data" are same then it shall be exclusively mentioned in the Certificate. viii) Calibration Certificate is to be traceble to NABL.NABL Logo shall be affixed on the certificate.</p>		
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	<p>4) Collection of the flowmeters from BHEL,Trichy for calibration and returning back the flowmeters to BHEL,Trichy is under the scope of the calibrator. The flow meters should be delivered back to BHEL within 2 weeks after the meters are handed over from the BHEL site.</p> <p>5) Calibration certificate should be delivered within 2 weeks after the instrument is handed over from the BHEL site.</p> <p>6)The calibrator may visit BHEL,Trichy for collection of both 4 inch and 8 inch size flow meters at a time.</p>		
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<p>10/ 30</p>	<p>Calibration of Vortex Type Compressed Air Flowmeters mentioned below;</p> <p>a) Make : IotaFlow Systems Pvt. Ltd. Model : VMFM-300-2-S-P-O-O-B-I-E-PTC FG Serial No. : 14030706 Meter Size : 12" (300mm) K-Factor : 42.8 Flow Media : Compressed Air Flow range : 0-13600 Nm3/Hr Medium Pressure : 7 kg/cm2(max) Medium Temperature : 50 deg.C(max)</p> <p>(Minimum five readings are required for the entire calibration range)</p> <p>Calibration Periodicity: 1 Year or more Accuracy: +/- 1.0 %</p> <p>Note for Item 30:</p> <p>1) The Copy of valid NABL certificate with the scope of accreditation shall be submitted along with the offer.</p> <p>2) The accuracy of reference masters used for calibration shall have minimum TWO times better accuracy than the BHEL's instrument (UUC).</p> <p>3) The Calibration certificate should incorporate all the below mentioned details:</p> <p>i) The Name and unique Sl.No. of the BHEL's instrument. ii) Date of Calibration and the Due date for Next Calibration. iii) Name and address of the customer has to be mentioned in the certificate as "M/s.BHEL, M&S Department, Trichy-14"</p>	<p>NO</p>	<p>1</p>
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<p>iv) The details of the reference masters used for calibration like Sl.No., Range, Standard Value for measurement, Accuracy, etc. The accuracy of reference masters used for calibration shall have minimum TWO times better accuracy than the BHEL instrument (UUC).</p> <p>v) Details of Traceability for the reference master instruments.</p> <p>vi) Standards/Procedure followed for calibration.</p> <p>vii)The calibration certificate shall include "as found and as left data". If both "as found and as left data" are same then it shall be exclusively mentioned in the certificate.</p> <p>viii) Calibration Certificate is to be traceble to NABL.NABL Logo shall be affixed on the certificate.</p> <p>4) Collection of the flowmeter from BHEL,Trichy for calibration and returning back the flowmeter to BHEL,Trichy is under the scope of the calibrator. The flow meter should be delivered back to BHEL within 2 weeks after the meter is handed over from the BHEL site.</p> <p>5) Calibration certificate should be delivered within 2 weeks after the instrument is handed over from the BHEL site.</p> <p>6) The calibrator may visit BHEL,Trichy seperately for collection of 12 inch size flow meter.</p> <p><u>Note for Item 10 to 30;</u> Bidder to note that work order for flowmeter calibration may be placed on seperate bidders for each of the items (i.e Item No.10,20 and 30)on individual L1 basis.</p>		
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GENERAL TERMS AND CONDITIONS FOR M&S CONTRACTS

- 1) Period of Contract is **6 months** from the date of commencement of work.
- 2) EMD /SD shall also be paid to BHEL through e-collect feature offered by SBI.
- 3) EMD is to be submitted and is to be remitted in cash (as permissible under Income Tax Act)/Electronic Fund Transfer credited in BHEL account before tender opening or Banker's cheque/Pay order/Demand Draft in favour of M/S BHEL Trichy along with offer. Offers without EMD shall be liable for rejection.
- 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.
- 5) Rate should be quoted as per price bid**
- 6) Taxes if any will be mentioned separately in the offer.
- 7) The rate that is offered should be comprehensive and no separate charges will be made towards expenses like travel, boarding and lodging.
- 8) The contractor should quote the validity of the offer.
- 9) Payment terms: 100% payment will be made after completion of entire work on submission of invoice in triplicate duly certified by Area In – charge.**
- 10) The contractors may visit the area to assess the quantum of work before quoting.
- 11) If two or more vendors offer the same rate, negotiation will be conducted separately.
- 12) The contractor should mention the point to point confirmation.
- 13) Contractor should commit for Terms and Conditions of the enquiry otherwise the offer shall be liable for rejection.
- 14) TWO PART BID SYSTEM:** Contractor should send their offer for two part bid system as below
- 15) Documents submitted with the offer shall be signed and stamped in each page by authorized representative of the bidder.

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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 MANAGER
MAINTENANCE & SERVICES / CONTRACTS,
2&4 BUILDING,
BHARAT HEAVY ELECTRICALS LIMITED,
HIGH PRESSURE BOILER PLANT,
TIRUCHIRAPALLI - 620 014.
TAMIL NADU, INDIA.

- 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.

OPENING OF TENDERS:

- a) The Part I - Technical & un-priced commercial bid alone would be opened on the Tender 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 openingdate.
- c) Clarifications if any required by BHEL for Technical evaluation would be sought from Bidders before opening of Part II - price bid.

SERVICE TAX:

- 1) A copy of Service tax remittance challan for previous quarter should be submitted along with offer if the contractor is claiming service tax.
- 2) If Contractor is exempted from service tax then a declaration that they are within the threshold limit should be submitted along with the offer.

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LD 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 for each week of delay or part thereof subject to a **maximum of 10% of the total contract value.**

Individual L1 will be considered for ordering

IMPORTANT NOTE: IF THE CONTRACTOR PERFORMANCE NOT ABLE TO FULFILL AS PER ENQUIRY REQUIREMENT, THEN THE CONTRACT SHALL BE SHORT CLOSED AT ANY TIME.

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.

Sign & Seal of Contractor

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

SCHEDULE FOR PRICE BID

Sub: Calibration of Vortex Type Compressed Air Flow Meters Located at Compressor Houses and in Individual Buildings Entry at Unit-I– Reg.

Ref: Enquiry no: 9251600049/ Dated: 03/12/2016. Due date: 28/12/2016, 14.00 Hrs.

Sl.	Description	UOM	QTY	Rate	Value
10/ 10	Calibration of Vortex Flowmeter-100mm	NO	1		
10/ 20	Calibration of Vortex Flowmeter-200mm	NO	4		
10/ 30	Calibration of Vortex Flowmeter-300mm	NO	1		

- ❖ Taxes if any should be quoted extra
- ❖ Individual L1 will be considered for ordering

- 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 the every bill at the prevailing rate as per the Government rule and regulation from time to time.
- 3) Detailed scope of work and other terms and conditions are specified in the Technical Bid of the Tender.

Sign & Seal of Contractor