

Tender Cost ₹ 200/-

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY**  
ALLAHABAD-211 004 (U.P.) INDIA



**Procurement of Ultrasonic Digital Portable Flowmeter Equipment**  
*(For Contracts value estimated to cost less than Rs.25laks)*

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Country Code (91)+ STD Code (0532)  
Telephone No.: 2271123, 2271122  
Fax No.: 2545822

Web Site: [www.mnnit.ac.in](http://www.mnnit.ac.in)

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**INVITATION FOR SUPPLY OF ULTRASONIC DIGITAL PORTABLE FLOWMETER  
EQUIPMENT**

To,

Sub: Invitation for Quotations for Supply of Ultrasonic Digital Portable Flowmeter Equipment as per specification given below

You are invited to submit your most competitive quotation for the following goods/equipments. The quotation should be sent directly to the undersigned under Sealed Cover marked "Quotation Reference No., Date", And "The Due Date": -

Sl. No.	BRIEF DESCRIPTION OF THE GOODS	QTY.	Place of Delivery	Installation Requirement if any Yes/No	EMD to be deposited ₹
1	Ultrasonic Digital Portable Flowmeter Equipment <b>(Detailed Specification attached at ANNEXURE-A)</b>	01 No.	<b>MNNIT, ALLD.</b>	Yes	<b>12,000</b>

**2. Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
- b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The prices should be quoted in Indian Rupees only for indigenous items. For imported items/Equipments, the prices should be quoted foreign currency.
- e) Each bidder shall submit only one quotation.

**3. Validity of Quotation**

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

**4. Evaluation of Quotations**

The purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) Are properly signed; and
- (b) Conform to the terms and conditions, and specifications.
- (c) The Quotations would be evaluated separately for each item.

**5. Award of Contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

- Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- The bidder whose bid is accepted will be notified for the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order if falls under Govt. purchase rules (**GFR-2005**)

**6. Formats and Signing of Bid**

- The Bidder shall prepare two copies of the bid, clearly making each "Original Bid" and Copy Bid, as appropriate. In the event of any discrepancy between them, the original shall govern.
- The original and all copies of the bid shall be typed or written in indelible ink and signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The latter authorization shall be initialed by written power- of attorney accompanying the bid. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.
- Any interlineations, erasure or overwriting shall be valid only if they are initiated by the persons or persons signing the bid.
- The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

7. 100% Payment shall be made only after satisfactory delivery and installation of the goods.

8. Normal Commercial warranty/ guarantee shall be applicable to the supplied goods.

9. You are requested to provide your offer latest by **3.00 P.M. on 09/05/2012 (Extended Date)**

10. We look forward to receiving your quotations and thank you for your interest in this project.

**Faculty in-charge, Purchase**

**Address:** Motilal Nehru National Institute of Technology,  
Teliyarganj, Allahabad –211004. (U.P)

Ph. Nos.: 0532-227+1123, 227+1122,

Fax No.0532-2545822 (SPO), 0532-25453419 (DIR. Office)

**FORMAT OF QUOTATION**

Item	Description of Goods	Qty.	Quoted Unit Rate in Rs.	Total Amount	
				In Figures	In Words
<b>1</b>	Ultrasonic Digital Portable Flowmeter Equipment  (Detailed Specification attached at ANNEXURE-A)	01 No.			

We agree to supply the above goods in accordance with the technical specifications for a total contract price of \_\_\_\_\_ within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of \_\_\_\_\_ months shall apply to the offered goods.

**Signature & Seal of Supplier**

**Note:**

1. Preference will be given to ISO 9001-2000 certified manufacture/supplier, who can ensure the manufacturing of the machine as per the required testing standards/tender specifications within the specified tolerance limit.
2. Bidders should provide copies of original Memorandum and Articles of Association, defining the constitution of legal status, place of registration and place of business of the company.

1.	<b>Closing Date/Time for submission of Quotations</b>	<b>09/05/2012 (With Extended Date) 3:00 P.M.</b>
2.	<b>Opening Date/Time of Quotations</b>	<b>09/05/2012 (With Extended Date) 3:30 P.M.</b>
3.	<b>Quotations to be submitted at</b>	<b>The Office of Faculty-in-charge, Purchase Motilal Nehru National Institute of Technology, Allahabad-211004(U.P.)</b>
4.	<b>Place of opening of quotations</b>	<b>Faculty-in-charge, purchase Office.</b>

### **INSTRUCTIONS/GUIDELINES TO BIDDERS**

1. Bidders who had supplied the Government departments, PSUs and reputed Institutions and Organizations should only apply.
2. The bidder should enclose the client list with contact address along with Phone/Fax for reference.
3. Please quote the prices of F.O.R. MNNIT, Allahabad.
4. The Bidders are requested to submit their Quotation with EMD ₹ **12,000.00** in the form of Demand Draft/ Bank Guarantee/ Short term Deposit of the cost of equipments/items in favour of "The Director, MNNIT, Allahabad" payable at Allahabad. Quotation without EMD will be summarily rejected. EMD's of all Bidders will be returned back after the purchase order /contract agreement is issued to successful bidder.
5. Successful Bidders must have to submit the performance security @ 5% of the purchase order or contract value and it will be retained up to the warranty period.
6. The bidder should enclose relevant documents wherever necessary to substantiate his eligibility.
7. The Institute is eligible for and can provide necessary documentation for Custom/Excise and
8. Octroi exemption on demand, if permitted under rule.
9. MNNIT, Allahabad, reserves the right to reject, accept any or whole or part of any of the tender without assigning any reason thereof and no claim will be heard. In case of dispute, the decision of The Director, MNNIT, and Allahabad will be final and binding.
10. If the successful bidder is not able to supply the goods items within the delivery date specified in the purchase order, the purchase order will be automatically treated as cancelled after expiry of delivery date period. The vendor will have to submit an undertaking in this regard that this condition is acceptable to him. In case of extra ordinary circumstances the vendors must send a request for extension of validity of purchase orders, with proper justification prior to the expiry of validity date for consideration.
11. Payment condition: 100% payment will be made only after satisfactory supply and on site installation of equipments. Advance payment is not permitted.
12. In case of sophisticated equipments, an on-site training need to be provided with no extra cost.
13. The quotation must be accompanied by leaflets/operation manuals/books etc.
14. Wherever applicable the vendors must quote the branded /desired items.

**Note:** Please submit the cost of tender i.e. Rs.200/- in the form of Demand draft in favour of  
**The Director, MNNIT, Allahabad payable at Allahabad**

**MANUFACTURERS' AUTHORIZATION FORM (MAF)**

No. \_\_\_\_\_

dated.....

To,

Dear Sir:

Tender No.

We \_\_\_\_\_ who are established and reputable manufacturers of (name and descriptions of goods offered) having factories at \_\_\_\_\_ (address of factory) do hereby authorize M/s \_\_\_\_\_ (Name and address of Agent) to submit a bid, and sign the contract with you for the goods manufactured by us against the above Invitation of Bidders.

We hereby extend our full guarantee and warranty for the goods and services offered for supply by the above firm against this Invitation of Bidders.

Yours faithfully,

(Name)  
(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed by a person competent and having the power of attorney to legally bind the manufacturer. It should be included by the Bidder in its bid.

**Technical specification of 'Ultrasonic Digital Portable Flowmeter'**

<b>S. No.</b>	<b>Item</b>	<b>Description</b>
1	Flow medium	Water.
2	Range of flow velocity to be measured	0.5 m/s to 20 m/s.
3	Pipe Material	Suitable for pipes of metals and other materials having liner.
4	Operating temperature	-40...+120°C
5	Ambient Conditions	Sensor: -40...+70°C Signal converter: -20...+55°C (Humidity: 5...80%, non-condensing).
6	Measurement system with clamp-on sensor/s	Single-rail flow sensor for pipe sizes 50 to 250 mm with 1 MHz transducer and suitable clamps. <b>Additional:</b> Single-rail flow sensor for pipe sizes 15 to 150 mm with 2 MHz transducer and suitable clamps ( <b>price to be quoted separately</b> ). <b>Additional:</b> Dual-rail flow sensor for pipe sizes 200 to 1500 mm with 1 MHz transducer and suitable clamps ( <b>price to be quoted separately</b> ).
7	Signal converter	Ultrasonic portable signal converter.
8	Primary measured value	Transit time.
9	Secondary measured value	Volume flow, mass flow, flow speed, flow direction, speed of sound, gain, signal to noise ratio, diagnosis value, reliability of flow measurement, quality of acoustic signal.
10	Measuring error	Less than $\pm 3\%$ of the measured value.
11	Repeatability	Less than $\pm 0.2\%$
12	Digital display	3.5 digit, in-built LCD display indicating flow rate in engineering units.
13	Data logger	Logging of selected measured / calculated values. Data to be logged and time interval can be set by user. More than 1.0 Lakh values in several files can be stored. Display of logged data through line graphs.
14	Output signal	4-20 mA signal, Set point external (4-20 mA) signal. Including 24 V DC power supply with mating D-connector attached. 230 VAC, CE approved. Signal cables (length: 3 m).
15	USB Ports	02.
16	Electrical connections	Adapter for 220 VAC (-10% / +10%), 50 Hz, Chargeable Battery type: Lithium polymer, battery charger etc.
17	Inputs / output connector	15 pin connector for I/O interfacing with I/O box ( <b>price to be quoted separately</b> ).
18	Thickness gauge	Pipe wall thickness measurement unit ( <b>price to be quoted separately</b> ).
19	Documentations/ Manuals	Required to be provided to the user in hardcopy/CD format.
20	Installation & Training	On site by trained personnel.
21	Warranty	Minimum one year warranty with free maintenance.
22	Payment Terms	100% payment after delivery, installation and satisfactory completion of the training of the product.