



National Institute of Technology, Manipur, Langol, Imphal West 795004

INVITATION LETTER

Package Code: TEQIP-III/2019/nitm/129

Current Date: 26-Jun-2019

Package Name: NITMN/Physics lab

Method: Shopping Goods

To,

Sub: INVITATION LETTER FOR NITMN/Physics lab

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Magnetic Induction Heating system	1	NIT Manipur	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. **Quotation**

- 3.1 The contract shall be for the full quantity as described above.
- 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- 3.4 Applicable taxes shall be quoted separately for all items.
- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

15. Testing/Installation Clause (if any)
16. Performance Security shall be applicable: **0%**
17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
18. Sealed quotation to be submitted/ delivered at the address mentioned below, **National Institute of Technology, Manipur,Langol, Imphal West 795004**
19. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Magnetic Induction Heating system	See Annexure I (A)

- 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **30**days after the last date of quotation submission.
6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which
- 6.1 are properly signed; and
- 6.2 Confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. 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.
- 8.1 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.
- 8.2 The bidder whose bid is accepted will be notified of 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.
9. Payment shall be made in Indian Rupees as follows:
- Satisfactory Delivery & Installation - 10% of total cost**
Satisfactory Acceptance - 90% of total cost
10. Liquidated Damages will be applied as per the below:
Liquidated Damages Per Day Min % : N/A
Liquidated Damages Max % : N/A
11. All supplied items are under warranty of **N/A** months from the date of successful acceptance of items and AMC/Others is .
12. You are requested to provide your offer latest by **16:30** hours on **10-Jul-2019**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause (if any)

FORMAT FOR QUOTATION SUBMISSION
(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of goods \ (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex-Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No. _____



ANNEXURE I (A)

SPECIFICATION OF THE MAGNETIC INDUCTION HEATING SYSTEM

1. **Description of the item:** Induction heating system
2. **Detailed SPECIFICATIONS:**

The scope of the work includes: supply, installation and commissioning of a radio frequency induction heating system for field induced heating of magnetic nano particles.

i) R.F. Induction Heating Power Supply

Induction Heating Equipment: Induction heating power supply with heat station (3 m length of R.F. cable)

Frequency category: High frequency

Rated Output Power: 12 Kw

Rated Coil Terminal Power: 12 Kw

Input voltage: 415 Volt \pm 5 %

Operating Frequency range: 100 -- 400 KHz

Type of control: Local, Remote (4-20 milli Amps), P.L.C. Temperature feedback, RS 432 communications

Various feature of the power supply: In-built PLC, PID controller, Recipe program segments, Real time monitoring of current, voltage, power and frequency, set-points for voltage and power, In-built fault display, CE marked.

Various In-built safety features: Maximum and minimum frequency alarm, Power supply water failure, Power module failure, Capacitor box water safety, Inductor water safety, power supply over temperature, Output over current, Output inductor short circuits, Output over voltage.

ii) R.F. Induction Coil (compatible)

Copper Grade: Electrolytic copper

Inductance: 2.36 micro Henry

Section: Rectangle Tube

Type of Cooling: Water Forced

Type of Connection: Sliding

Type of Insulation: Plasma Coating

Shape: Circular

Diameter: Please specify the available diameter

Nos. of turn: 6

iii) **Fibre optic temp probe (suitable for open loop measurement).**

iv) **Installation, commissioned and suitable training must be provided.**

v) **Instruction manual (English Language) must be provided.**



राष्ट्रीय प्रौद्योगिकी संस्थान, मणिपुर
NATIONAL INSTITUTE OF TECHNOLOGY, MANIPUR
Langol, Imphal Ph. (0385) 2445812 / email:- nitmanipur@yahoo.in
An Autonomous Institute under MHRD, Govt. of India.

- vi) Warranty: One year warranty must be provided and must cover defective materials and defective workmanship for one year from the date of commissioning.
- vii) Input Power of all the equipment must be compatible with Indian standard single, two or three phase power supply.