



राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान
(पूर्व नेशनल इंस्टीट्यूट ऑफ फाउंड्री एंड फोर्ज टेक्नोलॉजी)
हटिया, राँची - 834 003 (झारखण्ड)

National Institute of Advanced Manufacturing Technology
(Formerly National Institute of Foundry and Forge Technology)
Hatia, Ranchi – 834 003 (Jharkhand)

सं No. – NIAMT/S&P/271/2024-25

दिनांक Date - 11 / 4 /2025

Limited Tender Enquiry

To,

LAST DATE FOR RECEIPT OF BID

ON 6/5/25 BY 3:00 PM

OPENING OF BID

ON 6/5/25 AT 3:30 PM

Sir/Madam,

We intend to purchase the commodities specified below and invite quotations in accordance with the terms and conditions mentioned overleaf. If you are interested, kindly send your offer by Speed/Registered Post or courier or deliver by hand with price and complete terms on or before date mentioned above.

Item No.	Description of Item	Qty.	EMD	Performance Security
1.	PLC HMI based SCADA Training Platform with application module along with PC (Specification enclosed in Annexure -5)	1	₹23,000	5% of P.O.

TERMS & CONDITIONS FOR SUBMISSION OF QUOTATION

1. **Rate:** The rate quoted must be net inclusive of packing, forwarding, freight, and all other incidental charges. The stores are required to be delivered at this Institute under the supplier's own arrangement free of additional charges. The risk of damage or loss in transit, if any will be the suppliers. In case the aforesaid terms are not considered, the acceptable charge payable will be required to be specified clearly at ad variorum or lump sum rate. Manufacturer's price list wherever applicable, should be submitted. Packing, forwarding, freight, entry tax etc., when not included in the price, are reimbursable at actual. If external agencies are employed, their receipts must be enclosed with the invoice.
2. **EMD:** An EMD of Rs.23,000 /- to be submitted online (RTGS/NEFT) in the following Institute a/c
 - a. Name of Beneficiary: **National Institute of Advanced Manufacturing Technology (NIAMT)**
 - b. Account No.: **2730101006939**
 - c. Name of Bank: **Canara Bank, NIFFT CAMPUS Branch,**
 - d. Bank Address: **Hatia, Ranchi – 834 003 (Jharkhand)**
 - e. IFS Code: **CNRB0002730**
 - f. MICR Code: **834015008**
 - g. Swift Code: **CNRBINBBCFD**

Bidders registered with MSME for services and upon submitting valid certificate will be exempted from submission of EMD. The details of transaction for EMD viz. Name of bidder firm, Tender Description, Transaction ID Number Transaction date, Amount of Transaction, Name of Bank, Address of Bank shall be furnished by the tenderer on their letterhead separately along with their tender.

3. **Taxes:** Excise Duty and GST should be quoted as separate items. It may be noted that the Institute is exempt and/or entitled for concessional rate. An appropriate certificate in prescribed format will be provided with the Purchase Order, wherever applicable.
4. **Warranty:** Items must be under warranty for minimum **one year(s)**. The quotation must contain the terms of warranty, and extended warranty, if available.
5. **Delivery Period:** The stores are required to be delivered at our location within **30 days** from the date of issue of the Purchase Order. Purchase Order will be sent by post with a scan copy by email. All offers of delivery should be made ex-stock, and a clear note should be inserted in case exstock delivery is not possible.
6. **Quality & Specification of Stores:** The stores offered should be of the best quality available, unless otherwise specified, confirming strictly to the specifications cited. The Institute reserves the right to reject the stores as found unacceptable on these grounds.
7. **Performance Security:** To ensure due performance of contract, Performance Security is required to be submitted by successful bidder has been awarded the contract. The Performance Security will be **5%** of the value of the contract. The Performance Security may be furnished in the form of Account payee, Demand Draft, Fixed Deposit, Bank Guarantee from nationalized bank or online payment. The Performance Security shall remain valid for period 60 days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations.
8. **Liquidated Damage:** If a firm accepts an order and fails to execute the order in full or part as per the terms and conditions stipulated therein, it will be open to this Institute to recover liquidated damages from the firm at the rate 0.5% of the value of the undelivered stores per week or part thereof, subject to a maximum of 10% of the value of the undelivered stores. It will also be open to this Institute alternatively, to arrange

procurement of the required stores from any other source at the risk and expense of the firm, which accepted the order but failed to execute the order.

9. **Submission of Quotation:** The quotation along with filled annexures (Annex-1,2,3,4A,4B) must be forwarded in sealed cover addressed to **Asst. Registrar (S&P), National Institute of Advanced Manufacturing Technology, Hatia, Ranchi-834003**, so as to reach within the specified date and time. The reference to the Enquiry No. and the last date for submission must clearly be super-scribed on the sealed envelope. To ensure receipt of quotations in time intending suppliers are advised to mail them sufficiently in advance. If no counter offer is made in the quotation, it will be taken for granted that the offer is strictly in accordance with the specification and terms and conditions laid down in this enquiry. Quotations may be sent by Speed/Registered Post or courier, or delivered in person. There is no provision for giving a receipt if the quotation is delivered in person.
10. **Opening of Quotation:** Quotations received within the scheduled time and date will be opened in the Administrative Building, First Floor at the time mentioned. A firm may send its authorized representative to witness the opening, if it so desires.
11. **Period of Validity:** A quotation shall remain valid for acceptance at least for a period of 180 days from the date of opening.
12. **GST & Income Tax Clearance:** Up-to-date GST & Income Tax Clearance Certificate should be attached with the quotation.
13. **Payment:** Payment will be made online by RTGS/NEFT only normally within 30 days from the date of receipt of the stores in good condition, and the invoice.
14. **Rejection of Offers:** The Institute reserves the right to ignore or reject any or all offer(s) including the lowest one without assigning any reason.


Asst. Registrar (S&P)

SIGNATURE OF TENDERER

ALONG WITH SEAL OF THE COMPANY WITH DATE



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Annexure – 1

PRICE REASONABILITY CERTIFICATE

This is to certify that we have offered the maximum possible discount to you in our Quotation No.dated.....for (Value Rs.)

We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to NIAMT to any other customer within last 12 months from the last date of submission of quotation nor we will do so till the validity of offer or execution of purchase order, whichever is later.

Seal and Signature of the tenderer



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Annexure - 2

Name of Equipment with Model No:

Name & Address of Manufacturer:

Price Quoted:

A. **For Indigenous Equipment:**

- i) Cost of equipment (Rs.):
- ii) GST (Rs.) :
- iii) Any other charges (Rs.) :
- iv) Total cost of equipment (in Rs.) F.O.R, NIAMT, Ranchi. :

B. **For Imported Equipment:**

- i) Cost of equipment (In Foreign Currency):
- ii) Packing and Forwarding:
- iii) CIF Price:
- iv) Freight charges up-to Ranchi Airport / Ranchi Railway Station:
- v) Insurance (110% of the cost of the equipment):
- vi) For NIAMT Ranchi:

Signature of Tenderer with date and seal



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Annexure - 3

BID PARTICULARS

1. Name of the Supplier:
2. Address of the Supplier:
3. Availability of demonstration of equipment: Yes / No
4. Tender cost enclosed: Yes/No if yes
5. Online EMD submission information enclosed: Yes / No
if Yes Transaction ID/No. of
Transfer:.....
Transaction date:
Amount of Transaction:
Name of Bank:
Address of Bank:
6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry

Name

Address:

Ph:

Fax:

Mobile:

Email:

Web:



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Annexure – 4A

Compliance Statement for the Tender Specifications

Tender Ref No.:

Sl. No.	Check list of documents / Undertakings	Yes / No	Remarks (give explanation if the answer is No)
01.	Is EMD details attached? (if applicable)		
02.	Is the bidder original equipment manufacturer (OEM)/authorized dealer?		
03.	If authorized dealer, recent dated certificate to this effect from OEM, attached or not?		
04.	Undertaking from OEM regarding technical support & extended warranty period.		
05.	Validity of 180 days or not?		
06.	Price Reasonability Certificate enclosed as per format?		
07.	Undertaking from bidder regarding acceptance of tender Terms & Conditions		
08.	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached?		
09.	Does the instrument comply with all the specifications detailed? Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipment varies from the requested specifications.		
10.	Whether free installation, Commissioning and Application Training offered?		
11.	Whether comprehensive onsite warranty offered?		
12.	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately?		



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Annexure – 4B

Compliance Statement of Technical Specification

Sl. No.	Parameter as per Annexure-5	Yes / No	Page No.	Remarks

Place:-

Date:-

**Authorized Signatory
Seal of bidders**

Complete Specification of PLC-HMI Based SCADA Training platform with application module.

Sl	Item Name	Full Specification	Make
1	PLC-HMI Based SCADA Training platform with application module.	<p>The Trainer have the Following Features:</p> <ul style="list-style-type: none"> • Open platform to explore wide PLC applications. • Din rail Mounting for PLC. • Powerful Instructions Sets. • PC based Ladder Programming. • High Execution Speed. • Extremely easy and student friendly software to develop different programs. • Several sample ladder program. • Choice of PLC and expansion modules. • Easy downloading of Programs. • Can Practice Troubleshooting Skills. • Compact Tabletop ergonomic design. • Ready experimental details Robust Construction. • PLC CPU TYPE: S7 Series • Digital input : 8 • Digital output : 8 • Analog input : 2 • Analog output :2 • Program size (in words) :4800 • Communication Expansion: Ethernet. <p>The Trainer also have the Following Technical Specifications:</p> <ul style="list-style-type: none"> • Push to ON switch : 8 nos. • LED : 8 nos. • Buzzer : 1 no • Pilot. Lamp : 1 no. • Relay Card : 1 no. • Operating Temperature : 0-40°C, 80% RH • Included Accessories : • Mains cord : 1 no. • Interfacing Cable : 1 no. 	ISO

2	<p>Application Modules:</p> <p>i. Water Level Control by PLC</p> <p>ii. Elevator Control by PLC</p> <p>iii. Conveyor Control by PLC</p> <p>iv. Traffic Light Control by PLC</p> <p>v. Motor and switches Control by PLC</p> <p>vi. Temperature Control by PLC</p>	<p>Applications Modules: would be supplied with below application module:-</p> <p>i. Water Level Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of Water Level. • Study and use of Timers and memory bit. • Water level control by PLC through ladder program. <p>ii. Elevator Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of elevator. • Study and use of Latch switches and timers. • Elevator control by PLC through ladder program <p>iii. Conveyor Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of Conveyor. • Study and use of memory bit, timers, counters, compare instruction. • Study and use of IR Sensor, Proximity Sensor, Push on to Switch. • Study and use of DC motor. • Conveyor control by PLC through ladder program. • Learn to Count Metallic container using a proximity switch. • Learn to run and control conveyor in manual and auto mode using a PLC. <p>iv. Traffic Light Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of Traffic Light. • Study and use of Timers. • Traffic Light control by PLC through ladder program. • Study of all three signals Red, Green and orange i.e. Ready • go and stop. <p>+</p>	ISO
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<p>2 (contd.)</p>		<p>v. Motor and switches Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of AC motor, and AC Drives. • AC motor switching control by PLC through ladder program. • Study of speed control of AC motor using a AC Drive. • Learn to Increase/Decrease speed of AC Motor through Pushbutton and AC Drive. • Learn to run AC motor in clockwise and anticlockwise direction. <p>vi. Temperature Control by PLC</p> <p>Scope of Learning</p> <ul style="list-style-type: none"> • Study of temperature control. • Study and use of compare instruction. • Study and use of temperature sensors and voltage to current convertor. • Study and use of controlling a heater and fan. • Temperature control by PLC through ladder program. 	
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3.	Computer All in one	<p>Operating System:- Windows 11 Home Single Language.</p> <p>Processor Name:- Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads).</p> <p>Ports:- 1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 RJ-45.</p> <p>Graphics:- Intel® UMA.</p> <p>Memory And Storage:- 16 GB memory; 1 TB SSD storage.</p> <p>Video Connectors:- 1 HDMI-out 1.4.</p> <p>Processor Footnote:- [6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher. <i>performance.</i></p> <p><i>[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration.</i></p>	
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