

অসম চৰকাৰ



GOVERNMENT OF ASSAM

JORHAT INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
P.O. CHENJIAN, SOTAI, JORHAT-785010 (ASSAM)

REQUISITION FORM FOR TEQIP III (COLLABORATIVE RESEARCH PROJECT) PURCHASE

Sl. No: JIST/TEQIP-III/CR/2019/2578/MECH-403

Name: Mr. Nayanjyoti Talukdar (Principal Investigator)

Dr Bharat Kakati (Co Principal Investigator)

Title of the Project: "Non-Thermal Plasma Process Technology for Development of Si Photovoltaics"
[Ref.: ASTU/TEQIP-III/Collaborative Research/2019/2578, Dated: 18.07.2019]

Sl. No	Description of Items	Quantity	Specification/Details (Separate Sheet may be attached if needed)	Justification/Purpose	Issue (to be filled by Store)
1	DIGITAL PIRANI GAUGE	01 (One)	DIGITAL PIRANI GAUGE: Measuring range: 1 x 10 ⁻³ mbr. To 999 mb. (N2 Equivalent) No. of gauge heads: Two. Display: 3-digit 7 segment filament LED display. Main supply: 230V, 5 Amps, 50 Hz	The digital Pirani and penning gauges will purchase under the collaborative research scheme of TEQIP III project entitled, "Non-Thermal Plasma Process Technology for Development of Si Photovoltaics" to carry out R&D work for development of plasma derived Si-Thin film at iPVD reactor of META Laboratory, ASTU. The gauges will be used in the experimental set up which is designed to develop the Si-Thin film. The vacuum gauges are required to measure the vacuum pressure of the experimental set up. The Gauges will be delivered at META Laboratory, ASTU. The project is sanctioned under collaborative research scheme of TEQIP III project (Ref.: ASTU/TEQIP-III/Collaborative Research/2019/2578, Dated: 18.07.2019)	
2	DIGITAL PENNING GAUGE	01 (One)	DIGITAL PENNING GAUGE: Measuring range: 10 ⁻³ mbar to 1 x 10 ⁻⁶ mbar. No. of gauge heads: One. Response time: 0.5 Sec. Coupling: QF 25 Quick seal coupling. Main supply: 230V, 5 Amps, 50 Hz		

Indenter:

Date: 28/07/2019
Assistant Professor
Jorhat Institute of Science & Technology
JORHAT-10, ASSAM

Verified by: Assistant Professor
Jorhat Institute of Science & Technology
JORHAT-10, ASSAM

Signature of Issuing Authority:

Date: 28/07/2019
Principal
Jorhat Institute of Science & Technology
Jorhat-10

ANNEXURE-I

Technical Specifications

Item Name: DIGITAL PIRANI GAUGE

Quantity: One (1)

Measuring range: 1×10^{-3} mbr. To 999 mb. (N2 Equivalent)

No. of gauge heads: Two.

Display: 3 digit 7 segment filament LED display.

Main supply: 230V, 5 Amps, 50 Hz

Item Name: DIGITAL PENNING GAUGE

Quantity: One (1)

Measuring range: 10^{-3} mbar to 1×10^{-6} mbar.

No. of gauge heads: One.

Response time: 0.5 Sec.

Coupling: QF 25 Quick seal coupling.

Main supply: 230V, 5 Amps, 50 Hz

Terms and Conditions:

The vendor is required to bid for **DIGITAL PIRANI GAUGE and DIGITAL PENNING GAUGE**. A duly signed sealed quotation super scribing with "**Quotation for: Vacuum Gauges**" should send in a single envelope containing the both technical details and budget.

1. In the quotation, the vendor has to supply the test certificate of the Gauges with the name of the manufacturer.
2. Delivery: 1 weeks after receiving purchase order
3. Payment: 100% against delivery
4. Validity of the quotation: At least 55 days
5. Warranty: At least 12 months from the date of delivery

6. Address to send the quotation by post:

To
The Principal,
Jorhat Institute of Science and Technology,
Sotai, Jorhat-10, Assam

7. Address to Deliver the material:

To,
The META Laboratory,
Assam Science and Technology University,
Tetelia Road, Near Assam Engineering College,
Jalukbari, Guwahati, Assam 781013
+919101676970 (M)

8. Last date of submission: On or before 04/09/2020 at 4.30 PM
9. Date of opening tender: On 05/09/2020 at 3.00 PM


Principal
Jorhat Institute of Science & Technology
Jorhat-10