



**NORTH EASTERN REGIONAL INSTITUTE OF
SCIENCE & TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
NIRJULI :: ITANAGAR :: ARUNACHAL PRADESH**

**OPEN TENDER NOTICE NO. PUR/400/ME/2025-26
Dated. 23/03/2026**

THE LAST DATE OF RECEIPT OF TENDER	:	13/04/2026 up to 4.00 PM
DATE OF OPENING OF TENDER	:	14/04/2025 at 4.00 PM



NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University u/s 3 of the UGC Act, 1956)

Under the Ministry of Education, Govt. of India

NIRJULI :: ARUNACHAL PRADESH

Telephone No. (0360) 2257401-11 (Extn. No.7252/7256),

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TENDER NOTIFICATION NO. PUR/400/ME/2025-26

Dated. 13/03/2026

Sealed tenders are invited from reputed manufacturers/authorized dealers for supply, installation, and commissioning of the laboratory items for the Mechanical Engineering Department. The details of tender can be downloaded from our website : www.nerist.ac.in. Tender fee of Rs.2,500/- (non refundable). The last date of receiving tender is 13/04/2026 upto 4.00 PM and the date of opening of tender is 14/04/20226 at 4.00 PM. The Director, NERIST reserves the right to accept or reject any tender partly or fully without assigning any reasons whatsoever.

Sd/-

Assistant Registrar (S&P)

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**NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY
NIRJULI :: (ITANAGAR) :: ARUNACHAL PRADESH**

OPEN TENDER : NO. PUR/400/ME/2025-26 Dated. 23/03/2026

TERMS AND CONDITIONS :

1. A) Rate : The rate which should be quoted both in figure & words must be not inclusive of packing forwarding freight and all other incidentals charges.
- B) GST : Rate inclusive of GST will not be preferred. GST to be shown separately.
2. A) Consignee : All stores are required to be consigned to the Director, North Eastern Regional Institute of Science & Technology, Itanagar, Nirjuli, Arunachal Pradesh – 791109.
- B) Mode of dispatch : The consignment is required to be dispatched by Road Transport or delivered at this Institute under supplier's own arrangement free of additional charges. All offers of delivery should be made ex-stock and clear note should be inserted in case of damage or loss in transit, if any will be borne by the supplier.
- C) Dispatch of Document: The consignment note along with the quadruplicate of copy of relevant bill and two copies of priced challan should dispatch to the Director, NERIST, Nirjuli (Itanagar), Arunachal Pradesh – 791 109 immediately on completion of dispatch of consignment. If these documents do not reach the said office in time all wharf age/demurrage incurred, if any will be recoverable from the suppliers.
3. Delivery : The stores are required to be delivered/dispatched within thirty (30) days from the date of receipt of the supply order OR as per mutual agreement, suppliers are requested to take care that all the items mentioned above are to be supplied in full set basis and the items are required to be installed in the Laboratory/field. Users manuals are also to be provided along with the items supplied.
4. Quality Specification : The stores offered should be of the best/standard quality available unless, otherwise specified conforming strictly to the specification cited. The Director reserves the right to reject such stores as are found unacceptable on these grounds. Items of only reputed manufacturers will be given preference.

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5. Liquidated damages : If a firm accepts the order and fails to execute the order in full or part as per terms and conditions stipulated therein, it will be open to the Competent Authority to recover liquidated damages from the firm at the rate of 1% per month or the part thereof, subject to a maximum of 5% of the value of the undelivered stores. It will also be open to the Competent Authority, alternatively to arrange procurement of the required stores from any source, at the risk and expense of the firm that has accepted the order and failed to execute the order according to stipulations agreed upon. This will also entail removal of the defaulters name from the approved/registered list of suppliers.
6. A) Submission of quotation: Quotation should be submitted to the Assistant Registrar (S&P), NERIST, Itanagar, Nirjuli, Arunachal Pradesh – 791109 in double sealed cover. The cover should bear tender enquiry/Notice Number and date.
- B) Earnest Money : At the time of submission of Tender, the earnest money in the form of Demand Draft Deposit @2% on the quoted tender value is to be deposited with the tender which will be interest free. No Tender will be accepted without earnest money. The earnest money is to be deposited in favour of Director, NERIST on State Bank of India, NERIST Branch. On receipt of supply order, in case the firm fails to supply, the earnest money will be forfeited.
7. Validity (Firmness): The rate should be valid for six months from the date of opening of tender. No representation for enhancement of price once accepted will be considered during the contract.
8. Opening of Quotation: (a) Every quotation will be opened on the date and time as fixed in presence of a duly constituted committee of the Institute. A firm may depute its accredited representative to witness the opening if it so desires.
- (b) In the event of the specified date for the opening of Tender is declared a holiday or due to any circumstances, if the Tenders could not be opened on the specified date by the NERIST, the Tenders will be opened at the appointed time and location on the next working date.
9. GST clearance : The tender should be accompanied by up to date GST Return certificate.

10. Mode of payment : Payment will be made on receipt of the bill (on full satisfactory supply of ordered stores, their commissioning, installation etc. as required as per terms and conditions) through RTGS. No advance payment will be made to any selected firm as per Institute norm.
11. Quantity of Stores : The Purchaser reserves the right to increase or decrease the quantity to be ordered of bid quantity and actual quantities of item will be fixed as per our requirement at the time of placement of purchase order.
12. Special discount/rebate: Special discount/rebate admissible to Educational Institute of National importance may be specifically indicated in the quotation.
13. Rejection of offer : Tenders not conforming to the terms and conditions and procedure so out lined are liable to be rejected summarily.
14. Guarantee/Warranty : The stores should be covered by warranty of quality/warranty of performance and manufactures defect for a minimum period of thirty six months OR as per company norms, from the date of satisfactory installation.
15. Special condition : Special condition, if any, printed on the quotation sheets of the tenders or condition attached with the tender will not be applicable to the contract unless these are expressly accepted in writing by the Director. Due weight age will be given to bidder offering warranty for a longer period.
16. ISI Marks : The tenders shall specify whether the articles offered bear bureau of Indian standard certification mark or not. In such cases they shall produce copies of certification mark along with their tender in support of it. Also, specific make and model No. of the item is to be mentioned.
17. Discretionary power : The Director, NERIST reserves the right to accept or reject any or all tenders without assigning any reason there of and also to modify in exceptional case any of the stipulated terms and conditions on merit on genuine and justifying grounds if it is in the larger interest of the Institute. The final acceptance of the tenders rests entirely with the Director who does not bind himself to accept the lowest tender.
18. Tender fee: Tender fee of Rs.2,500.00 (Rupees two thousand five hundred) only (nonrefundable) in the form of Demand Draft in favour of Director, NERIST, Payable at SBI, NERIST Branch must be sent along with tenders.

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19. Receipt of the tender: The last date of receiving tender is 13/04/2025 upto 4.00 PM.
20. Price: Abnormal price OR price higher than prevailing Market Rate / MRP will not be accepted.
21. This is not a turnkey project, so interested bidder can participate for full/part.

22. The following updated documents should also accompany with the tenders:

- Trade License
- Income Tax clearance certificate
- GST Registration certificate
- Up to date GST return Certificate.
- Authorization must be from Original Equipment Manufacturer (OEM). The OEM certificate will be cross verified. If found faulty, the firm will be liable to be blacklisted by the Institute.
- Manufacturer /Proprietary Certificate.
- All the above documents are mandatory.

Sd/-
Assistant Registrar (S&P)
NERIST :: NIRJULI
ARUNACHAL PRADESH

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Mechanical Engineering Department
(Various laboratory items)

Sl. No.	Items	Make & Model	Quantity
1.	Computerised multi cylinder Diesel engine test setup with Programmable Open ECU, Computer, PFIL /Urea /Water Methanol Injection, PFICNG, PFIH2, HCCI Vaporisor Fumigation, Vibration Sensor VS125, ICEngineSoft Version 25.0	4 Cylinder, 4 Stroke, Turbo CRDI Diesel, BS VI, Power 65HP; speed 3000 rpm, displacement: 1500-2500cc, with eddy current dynamometer and programmable ECU. Make / Model: Apex Innovation Pvt. Ltd., PSP226ECU OR Equivalent	01
2.	Automatic Bomb Calorimeter With Printer	Type of method: - isothermal, Method of detecting temp. Rise : automatic, Method of detecting calorific value : automatic, Touch Screen PLC, Automatic measurement and calculation of Calorific value / water equivalent, 21 x 4 character lcd display, Thermal printer interface with printout report, Auto alarm on completion of test, Pc interface for data recording, Weight of the sample to be filled by keyboard, Calorimeter vessel made of SS, Bomb support to ensure correct positioning of bomb in vessel, Ambient working temp range : 15 to 35 degree c, Heat capacity :- 5800 to 6500 cal/deg c 15) Process time: - 10 to 12 minute, Temperature resolution :- 0.001 deg c, Oxygen bomb endure pressure : 300 kg/cm, Humidity requirement : less than 85% Make / Model: Hindustan Apparatus Manufacturing Co., HAMCO6E OR Equivalent	01
3.	Rotating Viscometer	Usage/Application – Laboratory, Frequency - 50-60 Hz, Voltage - 220-240 V, Power Source – Electric, Speed - 5-1000 rpm Make/Model: Acutek OR Equivalent	01

4.	Air-conditioner Test Rig With Humidification & Dehumidification System	<p>Compressor Hermetically Sealed Compressor, Capacity – 1 TR Condenser Finned Tube, Air Cooled with Fan & Electric Motor Expansion Device Capillary Tube Evaporator Finned Tube with Induced draft fan Refrigerant R-32 / R410 Accessories Refrigerant Lines, Dryer Filter, Suction Line Accumulator Chamber Made from pressed wood, internally lined with Metal sheet, fitted with Glass Window Ducts Made in Mild Steel CR Sheets, provided with damper Load Bank Finned to Air Heaters fitted in chamber, Capacity: 2 kW Dimmer Electronic Dimmer to regulate Heater Load Steamer Pressure Vessel with Electric Heater Air Preheater Finned Air Heater, 500 Watts Digital Voltmeter 0 – 1000 V AC for Heater Load Digital Ammeter 0 – 20 A AC for Heater Load Digital Wattmeter 0 – 3 kW for Compressor Pressure Gauge 0 – 500 Psi Compound Gauge -36 In of Hg – 150 Psi Temperature Sensor RTD PT-100 Sensors for temperature measurement Temperature Indicator Multi Channel Digital Indicator, Resolution 0.1 C Dry & Wet Bulb Thermometers Range 0 – 100 °C Glass Tube Rotameter Range 0 – 100 LPH, Calibrated for R-32 / R410 LP/HP Cut Out Make: Danfoss Thermostat Digital Thermostat</p> <p>Make/Model: Unnatech Solution Private Limited OR Equivalent</p>	01
5.	Thermal Conductivity of Metal Rod Apparatus	<p>Metal Rod: Mild Steel Rod, Diameter 25 mm, Length of rod 300 mm, Insulation Jacket: Made in Mild Steel, Mild Steel Rod is insulated by Asbestos powder, Electric Heater: Clamp Heater, Capacity 200 W, Supply 230 V AC, Dimmer: Range 0-250 V AC, 2 A, Digital Voltmeter: Range 0-500 V AC, Digital Ammeter: Range 0-2 A AC, Temperature</p>	01

		Sensors: Type 'K' Thermocouples – 12 Nos., Temperature Indicator: 12 Channel Indicator with Selector Switch, Range 0-199.9 Make/Model: Unnatech Solution Private Limited OR Equivalent	
6.	Thermal Conductivity of Liquids apparatus	Cylindrical water jacket: Made of stainless steel and fitted with a temperature sensor for measuring inner surface temperature. Electric Heater: Clamp Heater, Capacity 200 W, Supply 230 V AC • Dimmer: Range 0-250 V AC, 2 A Digital Voltmeter: Range 0-500 V AC Digital Ammeter: Range 0-2 A AC Temperature Sensors: Type 'K' Thermocouples – 3 Nos. Temperature Indicator: 6 Channel Indicator with Selector Switch, Range 0-199.9° Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated Make/Model: Unnatech Solution Private Limited OR Equivalent	01
7.	Heat Transfer in Forced Convection set up	Test Pipe: Copper Pipe, Diameter 30 mm, Length of Pipe 500 mm Electric Heater: Capacity 200 W, Supply 230 V AC Air Blower: Centrifugal Blower, 230 V AC. Orifice Plate: For Air Flow measurement Manometer: U tube manometer, 0-300 mm WC Dimmer: Range 0-250 V AC, 2 A Digital Voltmeter: Range 0-500 V AC Digital Ammeter: Range 0-2 A AC Temperature Sensors: Type 'K' Thermocouples – 12 Nos. Temperature Indicator: 12 Channel Indicator with Selector Switch, Range 0-199.9 ° Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated Make/Model: Unnatech Solution Private Limited OR Equivalent	01
8.	Heat Transfer in Natural Convection set up	Test Pipe: Copper Pipe, Diameter 30 mm, Length of Pipe 500 mm Wooden Cabinet: Cabinet with glass door on front side for housing the slab. Electric Heater: Disk Type Heater, Capacity 200 W, Supply 230 V AC	01

		<p>Dimmer: Range 0-250 V AC, 2 A Digital Voltmeter: Range 0-500 V AC Digital Ammeter: Range 0-2 A AC Temperature Sensors: Type 'K' Thermocouples – 12 Nos. Temperature Indicator: 12 Channel Indicator with Selector Switch, Range 0-199.9 ° Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated Make/Model: Unnatech Solution Private Limited OR Equivalent</p>	
9.	<u>Emissivity Measurement Apparatus</u>	<p>Test Plate: Made of aluminium, With embedded heater, Diameter 150mm. Black Plate: Made of aluminium, with embedded heater, Diameter 150mm. Wooden Cabinet: Cabinet with glass door on front side for housing the plates. Electric Heater: Disk Type Heater, Capacity 100 W, Supply 230 V AC – 2 Nos. Dimmer: Range 0-250 V AC, 2 A – 2 Nos. Digital Voltmeter: Range 0-500 V AC – 2 Nos. Digital Ammeter: Range 0-2 A AC – 2 Nos. Temperature Sensors: Type 'K' Thermocouples – 7 Nos. Temperature Indicator: 8 Channel Indicator with Selector Switch, Range 0-199.9 ° • Frame: Made of M.S. Square Tubes & Sheets, Welded & Powder coated. Make/Model: Unnatech Solution Private Limited OR Equivalent</p>	01
10.	Vernier Caliper (Digital)	<p>Measuring Range: 0–150 mm (6 inch) Resolution: 0.01 mm Accuracy: ±0.02 mm Display: Large LCD screen Material: Stainless steel with hardened jaws Power: 1.5 V Button Cell (SR44/LR44) Model: ECVG150 Make: Baker Gauges India Pvt. Ltd., Pune (ISO-certified) OR Equivalent</p>	02

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11.	Mechanical Comparator	Type: Mechanical comparator (dial-type) Measuring Range: $\pm 50 \mu\text{m}$ (or custom) Least Count: 0.001 mm (1 micron) Magnification: Up to 500x depending on dial indicator used Plunger Travel: 1–2 mm Measuring Force: $\sim 1 \text{ N}$ Dial Indicator: Precision dial, graduated in 0.001 mm divisions Stand/Base: Rigid cast iron base with fine adjustment mechanism Measuring Anvils: Tungsten carbide-tipped Make: Baker Gauges India Pvt. Ltd., Pune Model: SMC-01 (Standard Mechanical Comparator) OR Equivalent	01
12.	Outside Micrometer	Range: 0-25 mm Graduation: 0.01 mm Accuracy: $\pm 0.002 \text{ mm}$ ($\pm 2 \mu\text{m}$) Make / Brand: Mitutoyo 103-129 OR Equivalent	01
13.	Ring Gauges	Grade: H7 tolerance class	01
14.	Laser Displacement Sensor	Range: $\sim 25\text{--}50 \text{ mm}$ standard Linearity: 0.03–0.1 % Measuring Rate: Up to $\sim 40,000$ pulses/sec Resolution: $\sim 0.01 \%$ of F.S. Outputs: Analog (0–10 V, 4–20 mA), and digital/filtering options Supply: 12–24 V DC; IP67 housing common Make / Brand: RBA Optisync, Welan Technologies, Orbital Systems (Bombay), Apple Automation, Nexus Automech OR Equivalent	01
15.	Pressure sensors	Pressure Range Options: From 0-50 mbar to high pressure Output Signals: 4–20 mA, 0–10 V, or customized interfaces Accuracy: Typically $\pm 0.25\text{--}0.125 \%$ Full Scale (BFSL), depending on variant Make / Brand: WIKA A-10 Pressure Sensor OR Equivalent	01

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16.	Autocollimator	Readout: Dual-axis micrometer Resolution: 3 arc-seconds Accuracy: ±30" over full range Measurement Range: ±0.5° (~±30'); field of view 1° Clear Aperture: 30 mm; LED illumination Includes: Tilt stage, plane mirror, mounts Make / Brand: HO-OI-AC3 (Visual, Analog) OR Equivalent	01
17.	PC Based Analog & Digital Motor Control Trainer	DC motor control Module – DCMC, Features of the DC motor control includes:, DC motor with on-board drive circuitry, Angular position indication disc, calibrated in degrees, Tacho-generator with switchable load resistor, Continuous rotation potentiometer, Gray-coded disc and slotted disc, Digital tachometer with r.p.m. readout, Three-position eddy current brake, Command potentiometer module – COMPOT, Simulated Control Laboratory Software – SCLS, PC Interface module (USB type), Set of 36 x 4MM Interconnection Leads	01
18.	Noiseless Air compressor	20 Ltr., 1 HP, 1Φ, 230V AC, 50Hz, Working Pr 5-6Kg/cm ²	01
19.	Flight Controller	<ul style="list-style-type: none"> • Buzzer • Safety Switch • Power Module • PPM • I2C • Shock Absorber Board • SD Card • Neo-M8N GPS • GPS Holder • OSD OLED Display • DF13 4/5/6 Pin Cable • RGB module Make/Model: Pixhawk 2.4.8 OR Equivalent	03

