NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

N.I.T. Campus (P.O.), Kerala - 673601,
India Tel.: 0495 228 6155, 6134
EMAIL :purchase@nitc.ac.in

QUOTATION NOTICE

MAIN STORE

Date: 28.10.2026

SEALED QUOTATIONS are invited for the supply of the stores given in Schedule C. **The tenderers are requested to send their quotations (as per the format given in Schedule D) in sealed covers with the quotation reference number and last date for receipt of quotation super scribed.** Wherever indicated, samples may be furnished at the tenderer's expense unless otherwise specified. The tenderers are requested to follow the instructions given in Schedule A. This Institute cannot accept terms and conditions of payment other than the alternative given in Schedule B.

1. Quotation Ref No. **NITC/S&P/S1/765/CED/Plan-Central WS/EQPT/2026-27**
2. Last Date for receipt of Quotation **18.11.2026** Upto (IST) Time **4:00 PM**
3. The quoted rates should be valid up to **4 Months**
4. Address to which quotations are to be sent **The Assistant Registrar (Store & Purchase), NIT Calicut, NIT Campus (P.O.) 673 601.**

राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट
NIT Campus (P.O)
Calicut - 673601
Kerala, India
National Institute of Technology Calicut

AR (S&P)

सहायक कुलसचिव (एस & पी)
Assistant Registrar (S & P)
राष्ट्रीय प्रौद्योगिकी संस्थान कालिकट
National Institute of Technology Calicut
केरल - ६७३६०१ / Kerala - 673601

To

1. .....

SCHEDULED A - INSTRUCTIONS TO TENDERERS

(a) Quotations should contain the complete specification and brand names.
(b) All taxes, packing and forwarding charges (if any) and any other charges should be clearly shown
(c) Prices quoted should be for delivering at the premises of NIT CALICUT.
(d) The period within which the items can be supplied on firm order should be clearly mentioned.
(e) Quotations containing conditions like "subject to prior sale" may not be considered.
(f) Quotations received after the due date are liable to be rejected.
(g)An integrity pact should be executed between the buyer and the bidder/vendor for all the contracts.

SCHEDULED B - CONDITIONS OF PAYMENT

One of the following conditions of payment should be accepted if the quotation is to be considered.
(a) 100% payment after the receipt of the items in good condition.
Normally, complete payment will be made within 45 days from the date of receipt/installation of the items in good condition.
(b) The supplier shall furnish the Performance Security Deposit and Form Contract as follows:

(i) Execute a Form of contract as per the Institute's standard format on Govt. of India stamp paper worth Rs.200/-.

(ii) In case of the value of the supply order above Rs.10,00,000/- with warranty for the item, furnish a performance security deposit@3% of the total cost for the due fulfilment of the contract. This security shall be in the form of DD in favour of the Director, NIT Calicut, payable at SBI, Calicut REC Branch (Code2207) or Bank Guarantee from any nationalised bank/Scheduled commercial Banks valid for a period of sixty days beyond the contractual obligations, including warranty

(c) In case the supplier fails to deposit the required security and execute the contract bond on stamped paper of GOI or Govt. of Kerala (Specimen enclosed) by the due date, the contract is liable to be cancelled without prejudice to taking any further action to recover damages for any loss sustained by THE DIRECTOR as a result of supplier's refusal to abide by the terms of contract

(a) Invoice number and date
(b) Customer name
(c) Customer and taxpayer's GSTIN (if registered)
(d) Place of supply
(e) Item details, i.e. description, quantity (number), unit (meter, kg, etc.), total value
(f) Taxable value and discounts
(g) Rate and amount of GST tax rates.
(h) Signature of the supplier.
(i) PAN number should be indicated.

SCHEDULED C - Technical Specification and Delivery Terms

(See Annexure - I)

SCHEDULED D - Format of Quotations

(For use of the bidder. See note below)

Format of Quotations

Quotation Ref. No.: Last Date:

Sl.No.	Description of Goods (Attach necessary brochures)	Specification	Qty.	Unit	GST	Other Charges (if any)	Total Cost
GRAND TOTAL							

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

2. We also confirm that commercial warranty/guarantee of _____months shall apply to the offered goods from the date of installation/commissioning.

3. We undertake that in competing for (and if the award is made to us in executing) the above contract of supply of goods. We will strictly observe the laws against fraud and corruption in force in the Republic of India as required by National Institute of Technology Calicut.

Signature of the Bidder

Place:
Date:

Note:

1. Above tabular form is applicable while bids are being invited for more than one item and will be evaluated for all the items together. Modify the format accordingly where evaluation would be made for each item separately.
2. Quotation should be submitted on the official stationery of the bidder.

Sl. No.	Detailed Description	Approx Quantity	Whether Samples are to be sent
1.	Automated Soil Particle Size Analyser (Detailed Specification Attached)	1	

TECHNICAL SPECIFICATION

Automated Particle Size Analyser

Parameter	Requirement
Application	The item shall be suitable for automated particle size distribution (PSD) analysis of soil/sediment suspensions in the silt and clay fraction range, based on the sedimentation principle (Stokes' law).
System configuration	The item shall be an integrated system comprising a sensor/measuring head, one or more sedimentation (measurement) cylinders, a data acquisition unit and dedicated analysis software, supplied as a mutually compatible, manufacturer-validated system.
Measurement principle	The tem shall perform continuous, automated sedimentation-based measurement (e.g., suspension pressure or density profiling) to generate a quasi-continuous particle size distribution curve and shall not require manual hydrometer reading or manual pipette sampling of the suspension during measurement.
Particle size range	The item shall cover a particle size range of at least 1 µm to 63 µm (effective hydrodynamic diameter), with a resolution of 1 µm or finer, on a quasi-continuous basis.
Measurement accuracy	The approximate error in mass fraction detection shall not exceed ±3%.
Sensor/measurement precision	The internal sensing element (e.g., pressure or density sensor) shall provide a measurement accuracy of ±1 Pa or better, sufficient to resolve fine changes in suspension characteristics during sedimentation.
Sample requirement	The item shall operate with a suspension volume of approximately 1000 mL and a typical sample particle mass in the range of 25–50 g per litre of suspension, or as recommended by the OEM for the soil type under test.
Duration of measurement	The item shall support a user-selectable measurement duration, typically ranging from a minimum of about 6 hours (for particle sizes down to approximately 2 µm) to about 24 hours (for particle sizes down to 1 µm).
Measurement interval	The item shall continuously and automatically record measurement data at intervals of 10 seconds or less throughout the measurement duration.
Temperature compensation	The item shall automatically integrate temperature compensation into the particle size distribution calculation. The operating temperature range shall be 15°C to 35°C, with a maximum tolerable temperature variation of 3°C during a single measurement.
Sample container	The tem shall use a chemically resistant glass (e.g., borosilicate) sedimentation cylinder of nominal 1000 mL capacity, of dimensions suitable for the specified sedimentation column, and shall be supplied with multiple cylinders to allow successive or parallel testing.
Operation	The item shall support autonomous, unattended operation after measurement starts, with no physical disturbance of the suspension (i.e., no insertion of a hydrometer and no withdrawal of suspension by pipette) during measurement.
Data acquisition and software	The item shall be supplied with dedicated software for automated data acquisition, real-time visualization, calculation of the particle size distribution curve, and export of results in common formats (e.g., CSV/Excel or equivalent).

STP

Parameter	Requirement
Connectivity/interface	The item should include a digital interface (e.g., USB 2.0 or equivalent) for data transfer to a computer, compatible with standard PC operating systems.
Power supply	The sensor/measuring unit shall operate on a low-voltage supply (e.g., ≤ 5 V DC, ≤ 500 mA) or standard mains supply as per OEM design, with due consideration to laboratory safety.
Reference method compliance	The measurement method shall be equivalent to, or traceable to, internationally recognized sedimentation-based methods (hydrometer/pipette method), such as ASTM D7928, IS 2720 (Part 4), or ISO 11277, and shall not require soil-specific transfer functions of the type needed for laser diffraction or image-analysis based methods.
Complementary sand fraction analysis	For particle sizes beyond the sedimentation-based measurement range (i.e., the sand fraction), the system shall be compatible with standard manual/mechanical sieve analysis, the results of which may be combined with sedimentation data to obtain the complete particle size distribution.
Accessories	The item shall be supplied with a standard set of measurement cylinders/sample vessels, dispersing/stirring accessory or documented dispersion procedure, connecting cables, and any mounting/stand hardware required for operation.
Footprint/portability	The item shall be a compact, bench-top instrument suitable for standard laboratory installation with minimal footprint.
Calibration	The item shall provide a field calibration/verification facility and shall be supplied with a valid calibration certificate at the time of delivery.
Installation, demonstration and training	The bidder/vendor shall provide onsite installation, demonstration, and hands-on operator training on the complete system.
Warranty	The complete system shall be covered by a minimum 12-month OEM warranty (24 months preferred) from the date of commissioning or delivery, whichever is later, covering manufacturing defects in the sensor/measuring unit, electronics, cylinders and accessories. The bidder shall submit the OEM warranty certificate along with the equipment.
OEM service support in India	The bidder shall furnish details of an authorized OEM service network within India, including response time for service support.
Spare parts and consumables availability	The bidder shall confirm the availability and typical lead time of genuine spares and consumables (e.g., replacement cylinders, dispersing accessories, sensor components) within India.