

NOTICE INVITING TENDER (NIT)
FOR SUPPLY, INSTALLATION & COMMISSIONING OF CIVIL ENGINEERING and
MECHANICAL LABORATORY EQUIPMENT

Tender Notice No.: 469/Reg. Off/2026

Date of Issue: 12.02.2026

G.B. Pant Institute of Engineering & Technology (GBPIET), Pauri Garhwal, Uttarakhand, invites online bids through Uttarakhand State e-Tender Portal from reputed Original Equipment Manufacturers (OEM) / Authorized Dealers for **Supply, Installation, Commissioning, and Training of Civil Engineering and Mechanical Engineering Laboratory Equipment** as per detailed technical specifications provided in this tender document.

KEY TENDER INFORMATION

Parameter	Details
Tender Notice No.	469/Reg.Off/2026
Estimated Cost	₹2,00,00,000/- (Rupees Two Crore only)
Earnest Money Deposit (EMD)	₹ 4,00,000/- (Rupees Four Lakhs Only) - 2% of Estimated Cost
Tender Fee (Non-refundable)	₹ 5900/- (Including GST)
Performance Security	5% of Purchase Order Value
Warranty Period	Minimum 3 Years Comprehensive On-Site Warranty
Bid Validity	180 Days from the date of opening of Technical Bid
Number of Covers	Two (Technical Bid + Financial Bid)
Mode of Tendering	Online through Uttarakhand State e-Tender Portal

IMPORTANT DATES

Sr. No.	Activity	Date	Time
1	Tender Publication Date	14.02.2026	—
2	Bid Submission Start Date	15.02.2026	10:00 AM
5	Bid Submission End Date	09.03.2026	05:00 PM
6	Technical Bid Opening Date	10.03.2026	11:30 AM
7	Financial Bid Opening Date	Will be intimated to technically qualified bidders through e-tender portal	—

TENDER DOCUMENTS AVAILABILITY

- **Online:** <https://uktenders.gov.in>
- **Institute Website:** www.gbpiet.ac.in

All corrigendum/addendum (if any) related to this tender will be published only on the above portals.

PAYMENT OF TENDER FEE & EMD

Director GBPIET, Pauri, Uttarakhand

SUBMISSION OF DOCUMENTS

Online Submission: All documents must be uploaded on <https://uktenders.gov.in> as per the prescribed format.

Physical Submission: Hard copies of the following documents in spiral binding must be submitted in a sealed envelope to:

The Registrar

G.B. Pant Institute of Engineering & Technology

Ghurdauri, Pauri Garhwal – 246194

Uttarakhand, India

CONTACT INFORMATION

For Technical Queries:

Prof. (Dr.) K.K.S Mer

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For Commercial/Tender Process Queries:

The Registrar

Email: registrar@gbpiet.ac.in

Phone: +91-9719624248

SPECIAL CONDITIONS

1. The Institute reserves the right to accept or reject any or all bids without assigning any reason thereof.
2. The Institute reserves the right to increase or decrease the quantity of any item(s) or cancel any item(s) from the tender.
3. Conditional bids will be summarily rejected.
4. Canvassing in any form will lead to disqualification of the bidder.
5. The decision of the Director, GBPIET shall be final and binding in all matters related to this tender.

Issued By:

THE DIRECTOR

G.B. Pant Institute of Engineering & Technology

Ghurdauri, Pauri Garhwal – 246194

Uttarakhand, India

TENDER DOCUMENT

FOR SUPPLY, INSTALLATION & COMMISSIONING OF CIVIL ENGINEERING LABORATORY EQUIPMENT

SECTION 1: INSTRUCTIONS TO BIDDERS

1.1 General Instructions

1.1.1 The tender shall be submitted in **Two-Bid System**:

- **Part-I:** Technical Bid (with all supporting documents)
- **Part-II:** Financial Bid (Bill of Quantity - BOQ format only)

1.1.2 **No offline bids** will be accepted. All documents must be uploaded online in PDF format on <https://uktenders.gov.in>.

1.1.3 Bidders are **strongly encouraged to visit** the GBPIET campus and inspect the Civil Engineering Department laboratories to understand the site conditions, space availability, and infrastructure before submitting their bid.

1.1.4 All pages of the tender document must be signed and stamped by the authorized signatory of the bidding firm.

1.1.5 Any corrections/alterations in the bid documents must be authenticated by the bidder's authorized signatory with company seal.

1.1.6 The EMD must be submitted as per the prescribed modes mentioned in the NIT. Scanned copy of EMD proof must be uploaded with the Technical Bid.

1.1.7 Bids submitted without valid EMD or with insufficient EMD will be summarily rejected.

1.1.8 The Institute may seek clarifications from bidders during the evaluation process. Failure to provide satisfactory clarifications within the stipulated time may lead to rejection of the bid.

1.1.9 Bidders must ensure that they have a valid Digital Signature Certificate (DSC) for uploading bids on the e-tender portal.

1.2 Bid Preparation

1.3.1 Bidders must carefully read the entire tender document including all technical specifications, terms and conditions before preparing the bid.

1.2.2 The Technical Bid must contain all documents as listed in **Annexure-I (Document Checklist)**.

1.2.3 Bidders must submit a **Compliance Sheet** (Annexure-II) for each equipment, clearly indicating compliance (Yes/No) against each specification point with page reference to supporting documents.

1.2.4 Any deviation from the specified technical requirements must be clearly mentioned in the compliance sheet. Hidden deviations discovered later may lead to rejection.

1.2.5 Bidders must provide detailed technical brochures/catalogs of the quoted equipment with the required specifications highlighted.

1.2.6 Financial Bid must be submitted **only in the BOQ format** provided on the e-tender portal.

1.2.7 Bidders must quote prices in **Indian Rupees (INR) only**.

1.3 Bid Submission

1.3.1 Bids must be submitted online through <https://uktenders.gov.in> only.

1.3.2 The bidder is responsible for ensuring timely submission of the bid before the deadline. Late bids will not be accepted under any circumstances.

1.3.3 The server time displayed on the e-tender portal will be considered as the standard time for all purposes.

1.3.4 After successful submission, the portal will generate a bid submission acknowledgement. Bidders must preserve this for their records.

1.3.5 Hard copies of Technical Bid documents (spiral bound) along with EMD proof must be submitted physically to the Registrar's office before the Technical Bid opening date.

1.4 Bid Opening

1.4.1 **Technical Bid Opening:** Will be done online on in the presence of bidders or their authorized representatives (if present).

1.4.2 Only **one representative** per bidding firm will be allowed to attend the bid opening. The representative must carry a proper authorization letter on company letterhead.

1.4.3 Financial Bid Opening: Financial bids of only technically qualified bidders will be opened. The date and time will be intimated through the e-tender portal.

SECTION 2: ELIGIBILITY CRITERIA

Bidders must satisfy **ALL** of the following eligibility criteria. Non-compliance with any criterion will result in disqualification.

2.1 Legal Status

2.1.1 The bidder must be:

- Original Equipment Manufacturer (OEM), **OR**
- Authorized Dealer/Distributor/Agent of the OEM with valid authorization letter specific to this tender

2.1.2 The bidder must be a registered entity in India (Proprietorship/Partnership/Private Limited/Public Limited Company/LLP).

2.1.3 Bidders must have been in business for **minimum 5 years** as on the date of bid submission.

2.2 Financial Criteria

2.2.1 **Average Annual Turnover:** Minimum ₹1,00,00,000/- (Rupees One Crore) during the last three financial years (2022-23, 2023-24, and 2024-25).

2.2.2 Audited Balance Sheets and Profit & Loss Accounts for the last three financial years, certified by a Chartered Accountant, must be submitted.

2.2.3 A Certificate from Chartered Accountant stating the average annual turnover for the last three financial years must be provided.

2.3 Experience Criteria

The bidder must have successfully completed supply, installation, and commissioning of similar laboratory equipment/testing machines in the last **five years (2020-2025)** meeting **at least ONE** of the following conditions:

Option 1: Three similar completed works, each costing (40% of estimated bid value)

OR

Option 2: Two similar completed works, each costing (50% of estimated bid value)

OR

Option 3: One similar completed work costing not (80% of estimated bid value)

"Similar Work" is defined as: Supply, installation, and commissioning of material testing equipment/machines (such as UTM, Compression Testing Machine, Triaxial Testing System, NDT equipment, etc.) to:

- IITs/NITs/IITs/Central Universities/State Technical Universities
- CSIR/DRDO/ISRO Laboratories
- Central/State Government Departments/PSUs
- NABL Accredited Testing Laboratories
- Reputed Private Universities/Engineering Colleges (AICTE approved)

2.3.3 Work Orders, Completion Certificates, and Performance Certificates from clients must be submitted as proof.

2.4 Technical Capability

2.4.1 The bidder must have adequate technical manpower including qualified engineers and trained service personnel.

2.4.2 The bidder must have a **service center or authorized service representative** in North India (preferably in Uttarakhand/Delhi NCR/UP) for providing after-sales service and support.

2.4.3 Details of service centers/representatives with complete address and contact information must be provided.

2.5 Statutory Compliance

The bidder must possess valid registrations/licenses for:

2.5.1 **GST Registration:** Copy of GST Registration Certificate

2.5.2 **PAN:** Copy of PAN Card

2.5.3 **Shop & Establishment License** (if applicable)

2.5.4 **Import-Export Code (IEC)** (if importing equipment)

All registrations must be valid as on the date of bid submission.

2.6 Blacklisting Status

2.6.1 The bidder must not have been blacklisted/debarred/banned by any Central/State Government Department, PSU, Educational Institution, or any other organization as on the date of bid submission.

2.6.2 A self-declaration on company letterhead (Annexure-III) must be submitted stating that the firm has not been blacklisted.

2.7 Authorization from OEM (For Dealers/Distributors)

2.7.1 If the bidder is not the OEM, a valid **Manufacturer Authorization Letter** (Annexure-IV) from the OEM must be submitted.

2.7.2 The authorization letter must be:

- On OEM's official letterhead
- Specifically for this tender (mentioning GBPIET and tender number)
- Signed by an authorized signatory of the OEM with company seal
- Confirming that the OEM will provide full support for warranty and after-sales service

2.7.3 An **Undertaking from the OEM** (Annexure-V) stating that they will facilitate the dealer with technology/product updates and extend support for warranty must be submitted.

2.8 Local Representation

2.8.1 Bidders must have a **local office or authorized representative in Uttarakhand** or must commit to establishing one within 30 days of award of contract.

2.8.2 Address proof and contact details of the local office/representative must be provided.

SECTION 3: SCOPE OF WORK

3.1 General Scope

The scope of work under this tender includes:

3.1.1 **Supply** of Civil Engineering Laboratory Equipment as per technical specifications mentioned in Section 4.

3.1.2 **Transportation and Insurance** of equipment from the manufacturer's/supplier's premises to GBPIET, Pauri Garhwal at bidder's risk and cost.

3.1.3 **Unloading and Handling** of equipment at the Institute premises.

3.1.4 **Installation and Commissioning** of all equipment at the designated locations in Civil Engineering Department laboratories.

3.1.5 **Testing and Calibration** of all equipment as per relevant Indian/International standards with NABL/equivalent accredited calibration certificates.

3.1.6 **Demonstration and Training** of faculty members, technical staff, and students on the operation and maintenance of the equipment.

3.1.7 **Comprehensive On-Site Warranty** for a minimum period of 3 years from the date of successful installation and commissioning.

3.1.8 **Provision of Operation & Maintenance Manuals** in English language with detailed instructions.

3.1.9 **Supply of Accessories and Spare Parts** as mentioned in the technical specifications.

3.2 Pre-Installation Requirements

3.2.1 The bidder must inform the Institute about **site preparation requirements** (if any) immediately after receipt of purchase order. This includes:

- Space requirements
- Foundation/flooring specifications
- Electrical power requirements (voltage, phase, load)
- Water supply requirements
- Compressed air supply requirements
- Any special environmental conditions (temperature, humidity, etc.)

3.2.2 The bidder may visit the Institute after receiving the purchase order to inspect the installation site and provide guidance for site preparation.

3.2.3 GBPIET will arrange for basic civil works, electrical connections, and other infrastructure as per the bidder's specifications. However, any specialized requirements must be clearly mentioned in the bid.

3.2.4 The bidder must provide complete details of site preparation requirements within **15 days of purchase order** to avoid delays in installation.

3.3 Delivery Schedule

3.3.1 **Delivery Period:** The equipment must be delivered within **maximum 4 months (120 days)** from the date of issue of purchase order or opening of Letter of Credit (whichever is applicable).

3.3.2 Partial deliveries will be accepted only with prior written approval of the Institute.

3.3.3 The bidder must inform the Institute about the expected delivery schedule at least **7 days in advance** along with:

- Invoice copies
- Packing list
- Insurance documents
- Transportation details
- Contact details of person accompanying the consignment

3.4 Installation and Commissioning

3.4.1 The equipment must be installed and commissioned within **2 weeks (14 days)** of arrival of equipment at the Institute, provided the site is ready as per bidder's specifications.

3.4.2 Installation and commissioning must be done by qualified and trained engineers/technicians from the bidder/OEM.

3.4.3 All installation materials, tools, consumables, and manpower required for installation shall be arranged by the bidder at no extra cost.

3.4.4 After successful installation, the bidder must conduct performance tests to demonstrate that the equipment meets all specified technical parameters.

3.4.5 A **Joint Installation and Commissioning Certificate** signed by the bidder's representative and the Institute's authorized person must be prepared and submitted.

3.5 Training

3.5.1 The bidder must provide **comprehensive hands-on training** to:

- Faculty members (minimum 5 persons)
- Technical staff/Laboratory Assistants (minimum 5 persons)
- Students (one batch of 20-30 students)

3.5.2 Training must be conducted at GBPIET premises immediately after successful commissioning.

3.5.3 Training duration must be **minimum 2-3 days** for each equipment covering:

- Equipment operation and controls
- Safety precautions
- Routine maintenance procedures
- Troubleshooting common problems
- Software operation (if applicable)
- Calibration procedures

3.5.4 Training manuals/handouts must be provided to all participants.

3.5.5 A **Training Completion Certificate** (Annexure-VI) signed by the bidder's trainer and Head of Department must be submitted.

3.6 Documentation

The bidder must supply the following documents in English language:

3.6.1 **Operation Manuals:** Detailed step-by-step instructions for operating the equipment, including all features and functions (2 copies in hard copy + soft copy on USB/CD).

3.6.2 **Maintenance Manuals:** Procedures for routine and preventive maintenance, troubleshooting guides, and maintenance schedules (2 copies + soft copy).

3.6.3 **Service Manuals:** Technical service information including circuit diagrams, spare parts list with part numbers, and service procedures (1 copy + soft copy).

3.6.4 **Safety Instructions:** Comprehensive safety guidelines and precautions for safe operation.

3.6.5 **Calibration Certificates:** NABL/DAKKS/UKAS/COFRAC or equivalent accredited calibration certificates for all measuring instruments and transducers.

3.6.6 **Test Certificates:** Factory test reports and quality certificates from the manufacturer.

3.6.7 **Warranty Cards:** Duly filled warranty cards with serial numbers and warranty period.

3.6.8 **Software CDs/USB:** Installation media for all software (if applicable) with license keys.

3.6.9 **Compliance Certificates:** CE marking certificate, ISO certificates, or other relevant compliance documents.

3.7 Packing and Marking

3.7.1 Each package must be marked on three sides with waterproof paint/indelible ink showing:

- Equipment nomenclature
- Purchase Order No. and Date
- Country of Origin
- Supplier's Name and Address
- Consignee details: **Head, Civil Engineering Department, GBPIET, Pauri Garhwal - 246194, Uttarakhand**
- Package Number (e.g., Package 1 of 5)
- Gross Weight and Net Weight
- Handling instructions (e.g., "This Side Up", "Fragile", "Handle with Care")

3.7.2 Packing must be export-worthy and suitable for long-distance transportation to hilly terrain.

3.7.3 All delicate parts, electronic components, and precision instruments must be properly cushioned and protected.

3.7.4 A detailed packing list must be attached to each package and also sent separately to the Institute.

3.8 Insurance

3.8.1 For **indigenous supplies**: The equipment must be insured by the supplier for **110% of the invoice value** from "warehouse to warehouse" (i.e., from supplier's premises to final installation at GBPIET) on "All Risks" basis.

3.8.2 For **imported supplies**:

- **FOB basis**: Institute will arrange marine insurance
- **CIF/CIP basis**: Supplier must arrange insurance for 110% of CIF/CIP value up to GBPIET

3.8.3 Insurance must cover all risks including transit damage, fire, theft, natural calamities, etc.

3.8.4 The insurance policy must remain valid for at least **3 months after installation and commissioning**.

3.8.5 In case of any damage during transit or handling, the supplier must replace the damaged items at no extra cost. Insurance claims shall be settled by the supplier.

SECTION 4: TECHNICAL SPECIFICATIONS

The equipment to be supplied must meet or exceed the following technical specifications. Any deviation must be clearly indicated in the Compliance Sheet (Annexure-II).

EQUIPMENT LIST

Sr. No.	Equipment Description	Quantity
1	Digital Rebound Hammer with Premium Calibration Certificate and Branded Android Smartphone	01 No.
2	Ultrasonic Pulse Velocity Tester	01 No.
3	Half Cell Potential Testing Equipment	01 No.
4	Rebar Locator & Cover Meter Testing Equipment	01 No.
5	Pavement Core Drilling Machine (As per EN 12504-1)	01 No.
6	Soil - Static cum Cyclic Triaxial Testing System, 10kN / 10Hz (As per IS: 2720 Part 12, ASTM D 5311 / ASTM D 3999) With OEM NABL Calibration Certificate, Supplied with Computer	01 No.
7	Fully Automatic Compression Testing Machine Servo Controlled with Load & Displacement Control, Capacity 3000 kN with Software, Computer & Data Logger with In-House NABL Calibration Certificate	01 No.
8	Table top universal tester - 50kN capacity	01 No.

4.1 EQUIPMENT 1: DIGITAL REBOUND HAMMER

4.1.1 General Description

Digital Rebound Hammer with Premium Calibration Certificate and Branded Android Smartphone for non-destructive testing of concrete compressive strength.

4.1.2 Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Instrument Firmware	Equipped with embedded firmware for automatic calculation of rebound values according to international standards	
Impact Energy	Type N Hammer: 2.207 Nm	

Compressive Strength Range	Standard Range (N-Type): 10 to >100 N/mm ² (1,450 to >14,500 psi)	
Display	Backlit graphical LCD with minimum 100 x 100 pixels resolution showing real-time impact series and result trends	
Display Features	<ul style="list-style-type: none"> - Series review capability - Impact deletion function - Validity check display 	
Internal Memory	Minimum 20,000 impact values	
External Memory	Uses iOS/Android device memory for extended storage	
Connectivity	Low Energy Bluetooth® for wireless data transfer	
USB Port	For firmware updates and battery charging	
Measurement Features	<ul style="list-style-type: none"> - Impact angle independent readings - Real-time visualization on device screen - Automatic series validation - Result checks - Delete invalid impacts capability - Review entire test series 	
Power Supply	Standard AAA batteries (alkaline or rechargeable)	
Battery Capacity	Minimum 20,000 impacts per charge	
Operating Temperature	0°C to 50°C	
Environment Suitability	Laboratory and field-testing	
Standards Compliance	ASTM C805, EN 12504-2	
Calibration Certificate	Premium Calibration Certificate traceable to international standards from OEM or authorized agency	

4.1.3 Accessories and Inclusions

The equipment must be supplied complete with:

1. Premium Calibration Certificate (traceable to international standards)
2. **Branded Android Smartphone** (minimum specifications):
 - o RAM: 6GB or higher
 - o Storage: 128GB or higher
 - o Display: Minimum 6.5 inch FHD+
 - o Operating System: Android 11 or higher
 - o Dedicated application pre-installed for rebound hammer
3. USB cable for charging and data transfer

4. Carrying case with foam inserts
5. User manual in English
6. Grinding stone
7. Test anvil
8. Spare batteries (2 sets)
9. All necessary accessories for complete operation

4.1.4 Software Requirements

1. Dedicated mobile application for:
 - Data acquisition and storage
 - Real-time data display and analysis
 - Report generation
 - Data export in multiple formats (PDF, Excel, CSV)
2. Cloud backup facility
3. Multi-language support (including English and Hindi)

4.2 EQUIPMENT 2: ULTRASONIC PULSE VELOCITY TESTER

4.2.1 General Description

Ultrasonic pulse velocity (UPV) test instrument to examine the quality of concrete and other materials such as rock, wood, and ceramics.

4.2.2 Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Measurement Range	0.1 to 9999 μ s	
Resolution	0.1 μ s	
Display	OLED display, minimum 79x21mm	
Transmitter	Optimized energizing pulse: 125V, 250V, 350V, 500V, AUTO	
Selectable Gain Steps	1x, 2x, 5x, 10x, 20x, 50x, 100x, 200x, 500x, 1000x, AUTO	
Bandwidth	20 kHz to 500 kHz	
Memory	Non-volatile, minimum 500 measured values	
Battery	4 x AA batteries (primary or rechargeable)	
Power Supply	Via USB charger (mains)	
Operating Temperature	-10°C to +60°C	
Humidity	<95% RH, non-condensing	
Integrated Waveform Display	Analysis of received signal and manual triggering	

USB Interface	For PC connection and data analysis	
Data Analysis Software	PC-based software for data logging, analysis, and export	
Standards Compliance	EN 12504-4, ASTM C 597-02, BS 1881 Part 203, ISO 1920-7:2004, IS 516	
Integrated Gain Stage	Removes need for external amplifier	
Compressive Strength Measurement	Conversion curves for strength estimation	
SONREB Method	Combined estimates with rebound hammer	
Time Stamp	Real-time clock for every measurement	
Review List	Saved measurements review on site without PC	

4.2.3 Accessories and Inclusions

The equipment must be supplied complete with:

1. Main display unit
2. 2 x Transducers 54kHz (P wave)
3. 2 x BNC cables 1.5m
4. Couplant (minimum 500ml)
5. Calibration rod with 25µs
6. Calibration rod with 100µs
7. Battery charger with USB cable
8. 4 x AA (LR6) batteries
9. Data analysis software with installation CD/USB
10. Documentation and user manual
11. Carrying case
12. NABL/equivalent accredited calibration certificate

4.3 EQUIPMENT 3: HALF CELL POTENTIAL TESTING EQUIPMENT

4.3.1 General Description

Wireless, Bluetooth-enabled, half-cell corrosion potential mapping device for evaluating corrosion activity of embedded steel in concrete, compatible with Apple iPads.

4.3.2 Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Electrode Type	Copper-Copper Sulphate (Cu/CuSO ₄) Rod Electrode	

Wheel Electrode	Integrated wheel electrode for continuous measurement	
Technology	Half-cell potential measurement	
Measured Quantity	Corrosion potential in millivolts [mV]	
Voltage Measurement Range	-3000 mV to +3000 mV	
Resolution (Voltage)	High resolution suitable for fine potential changes	
Input Impedance	$\geq 100 \text{ M}\Omega$	
Measurement Connection	Wireless via Bluetooth	
Display Resolution	Up to 2732-by-2048	
Encoder Accuracy	$\pm 0.5 \text{ mm} / 0.02 \text{ in}$	
Scanning Resolution	3.3 mm / 0.13 in (128 steps per rotation)	
Max Scanning Speed	Up to 1 m/s (3.3 ft/s)	
Max Area Scan	50 m x 50 m (165 ft x 165 ft)	
Display Unit	Any compatible Apple iPad (iOS 11.0 and higher) , Screen size: From 7.9" to 12.9", Resolution: Up to 2732-by-2048, Memory: Up to 2TB, Camera: Up to 12MP Wide and 10MP Ultra-Wide	
Export formats	• JPG (Screenshot) PNG • CSV • HTML • DXF	
Battery	1xAA (NiMH) rechargeable or non-rechargeable, Removable Flight-safe, 8 Hours autonomy, USB-C charger	

4.3.3 Scope of Supply

The corrosion kit must be supplied complete with:

1. Corrosion potential sensor
2. Cu/CuSO₄ rod electrode with connection cable
3. 25 m cable reel including clamp
4. Copper sulphate CuSO₄ (250g)
5. Large contact sponge for rod electrode
6. Universal sensor holder
7. iPad harness holder
8. Quick start guides

9. 2 x AA batteries
10. USB-C charging cable
11. 4-slot battery charger
12. Carrying case
13. Dedicated software/application
14. **Compatible Apple iPad (iOS 11.0 and higher)** with minimum specifications:
 - Screen size: Minimum 10.2 inch
 - Storage: 128GB or higher
 - Wi-Fi + Cellular capability
 - Dedicated application pre-installed
15. NABL/equivalent accredited calibration certificate

4.4 EQUIPMENT 4: REBAR LOCATOR & COVER METER TESTING EQUIPMENT

4.4.1 General Description

Wireless, portable, non-destructive testing instrument for high-precision spot measurements, line scans, and area scans of reinforcement in concrete.

4.4.2 Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Technology	Eddy Current	
Connection	Wireless	
Display	High-contrast OLED screen	
Cover Measuring Depth	Up to 185 mm (7.3 in)	
Cover Accuracy	±1 mm (0.04 in) to 4 mm (0.16 in), depending on depth	
Rebar Diameter Measurement Depth	Up to 63 mm (2.5 in)	
Rebar Diameter Accuracy	± rebar size under optimal conditions	
Encoder Accuracy	±0.5 mm (0.02 in) + 0.5% of measured length	
Max Scanning Speed	0.5 m/s (1.7 ft/s)	
Max Line Scan Distance	1,000 m (0.6 miles)	
Max Area Scan	10,000 m ² (107,000 ft ²)	
Battery	2 x AA (NiMH) rechargeable or non-rechargeable, removable, flight-safe	
Battery Autonomy	Minimum 8 hours	
Dimensions (with cart)	250 x 130 x 45 mm / 9.8 x 5.1 x 1.8 in	

Dimensions (without cart)	190 x 75 x 45 mm / 7.5 x 3.0 x 1.8 in	
Weight (with cart)	690 g / 1.5 lb	
Weight (without cart)	300 g / 0.7 lb	
Display Unit	Apple® iPad (iOS 13.0 and higher)	

4.4.3 App Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Measurement Modes	Area Scan, Multiline Scan, Line Scan, Spot data import	
Review Modes	Area scan view, Multiline scan view, Line scan view, Signal strength view, Statistics	
Image Processing	<ul style="list-style-type: none"> - Auto rebar spacing first layer - Neighbouring rebar correction first layer - Neighbouring rebar correction second layer - Align rebar positions 	
Display Settings	Concrete cover threshold slider with colour palette	
On-Site Annotations	Markers, photos, geolocation, voice notes	
Export Formats	JPG (Screenshot), PNG, CSV, HTML	
Reporting	<ul style="list-style-type: none"> - Workspace integration - Share via URL - Automatic Logbook - Raw data export - Instant report generation 	

4.4.4 Scope of Supply

The equipment must be supplied complete with:

1. Sensor unit
2. Dedicated software/application
3. **Compatible Apple iPad** with minimum specifications:
 - Screen size: Minimum 10.2 inch
 - Storage: 128GB or higher
 - iOS 13.0 or higher
 - Wi-Fi + Cellular capability
 - Dedicated application pre-installed
4. 2 x rechargeable NiMH batteries
5. Battery charger
6. Carrying strap
7. Chalk
8. AR markers

9. Quick start guides
10. Carrying case
11. NABL/equivalent accredited calibration certificate

4.5 EQUIPMENT 5: PAVEMENT CORE DRILLING MACHINE

4.5.1 General Description

Petrol engine-powered vertical core drilling machine, mounted on rigid metal base with leveling facility, as per EN 12504-1.

4.5.2 Technical Specifications

Parameter	Specification	Compliance (Yes/No)
Standard Reference	EN 12504-1	
Type	Petrol Engine Powered Pavement Core Drilling Machine	
Maximum Bit Diameter	Up to 150 mm	
Maximum Core Depth	400 mm	
Drill Speed	1100 rpm	
Drive System	6 HP Petrol Engine with Pulley Mechanism	
Vertical Support Columns	Dual Guide Shafts - 40 mm diameter	
Core Feed Mechanism	Screwed Spindle - 20 mm diameter	
Water Supply Tap	12 mm	
Coring Direction	Vertical Only	
Base Platform	Rigid Metal Base with Leveling Facility	
Vibration Level	Minimal	
Drill Pressure Control	Constant and accurate via screwed spindle	

4.5.3 Construction and Design Features

1. Drill head/engine assembly must move vertically with precision screwed spindle ensuring constant and accurate feed pressure
2. Drilling system must allow:
 - Minimum core chipping
 - Long bit life
 - Smooth operation with minimal vibration
3. Rigid base providing stability during operation
4. Adjustable leveling screws

4.5.4 Diamond Core Bits to be Supplied

Item No.	Diameter	Length
1	50 mm	200 mm
2	50 mm	400 mm
3	75 mm	200 mm
4	75 mm	400 mm
5	100 mm	200 mm
6	100 mm	400 mm
7	150 mm	200 mm
8	150 mm	400 mm

4.5.5 Additional Accessories

1. Complete tool kit for assembly and maintenance
2. Water pump for water supply
3. Water hoses and connectors
4. Spare parts kit
5. Operation and maintenance manual
6. Safety equipment (goggles, gloves, ear plugs)

4.6 EQUIPMENT 6: SOIL - STATIC CUM CYCLIC TRIAXIAL TESTING SYSTEM

4.6.1 General Description

Computer-controlled servo-hydraulic system for static and cyclic triaxial testing, 10kN / 10Hz capacity, as per IS: 2720 (Part 12), ASTM D 5311 / ASTM D 3999, with OEM NABL Calibration Certificate.

4.6.2 Main System Specifications

Parameter	Specification	Compliance (Yes/No)
Maximum Frequency	0.01 Hz to 10 Hz	
Maximum Dynamic Load	Up to 10 kN	
Waveform	Sine, Triangular, Square	
No. of Control Points	1 kHz	
Control	Servo hydraulic	
Back Pressure Controller	1000 kPa	
Cell Pressure Controller	1000 kPa	

Triaxial Load Frame Capacity	100 kN	
Control System	PID vertical load/displacement closed loop loading managing three loop axes	
Vertical Load/Displacement	Up to 10kN / ± 25 mm	
Cell Pressure	Up to 1000 kPa	
Back Pressure	Up to 1000 kPa	
Online Monitoring	Measurement through graph	
Specimen Size	Up to 100mm diameter	
Standards Compliance	IS: 2720 (Part 12), ASTM D 5311, ASTM D 3999	

4.6.3 Component-wise Specifications

A. Load Frame

Parameter	Specification	Compliance (Yes/No)
Capacity	100 kN	
Max. Horizontal Clearance	364 mm	
Max. Vertical Clearance	910 mm	
Specimen Size	Up to 100 mm	
Dimensions (LxWxH)	Approx. 600x500x1440 mm	
Drive System	Microprocessor controlled	
Cross Head	Adjustable manually with locking facility	
Features	Suitable for static and dynamic tests	

B. Hydraulic Power Pack

Parameter	Specification	Compliance (Yes/No)
Max. Working Pressure	300 bars	
Oil Tank Delivery	10 lpm	
Oil Tank Capacity	150 litres	
Hydraulic Ports	For connection of test frames	
Oil Flow Control	Via servo-controlled proportional valve	
External Leakage	Zero	
Power Supply	415 VAC, 3 phase	

C. Actuator

Parameter	Specification	Compliance (Yes/No)
Type	Double acting hydraulic, digitally controlled	
Dynamic Loading Capacity	Up to 10 kN	
Dynamic Vertical Displacement	±25 mm	
Nominal Operating Frequency	Up to 10 Hz	
Position Control	External LVDT displacement transducer	

D. Triaxial Cell

Parameter	Specification	Compliance (Yes/No)
Cell Sizes Available	38mm, 50mm, and 100mm diameter	
Test Types	Static and dynamic (compression and extension)	
Design	Seal friction-less cell with submersible load cell	
Sensor Connectivity	From bottom of cell (pore pressure, cell pressure, etc.)	
Essential Accessories	De-airing apparatus	

E. Pressure Control Systems

E.1 Confining Pressure Controller (1 No.)

Parameter	Specification	Compliance (Yes/No)
Type	Stepper motor-controlled	
Range	Up to 1 MPa	
Display	Built-in control panel with display and keypad	
Accuracy	0.1% of FRO	

E.2 Back Pressure and Volume Change Controller (1 No.)

Parameter	Specification	Compliance (Yes/No)
Type	Stepper motor-controlled	
Range	Up to 1 MPa	
Display	Built-in control panel with display and keypad	

Functions	Back pressure and volume change measurement	
Back Pressure Accuracy	0.1% of FRO	
Volume Change Accuracy	0.1% of FRO	

F. Transducers

Transducer Type	Specification	Compliance (Yes/No)
Submersible Load Cell	10 kN capacity	
Displacement Transducer	±25 mm	
Pore Pressure Transducer	2 MPa	

G. Data Acquisition & Control System

Parameter	Specification	Compliance (Yes/No)
Control Loop Rate	10 kHz	
Axis Control	Three closed-loop axis (vertical load/displacement, cell pressure, back pressure)	
Valve Control	Servo-valve units for three axes + two on/off valves	
Valves	One for drainage line, one for air main supply	

H. Software

The software must be multitasking, user-friendly, Windows-based, pre-installed on supplied computer with following capabilities:

H.1 Static Triaxial Testing Capabilities

Test Type	Must Support	Compliance (Yes/No)
Unconsolidated Undrained (UU) Test	Complete analysis and reporting	
Consolidated Undrained (CU) Test	Complete analysis and reporting	
Consolidated Drained (CD) Test	Complete analysis and reporting	

H.2 Cyclic Triaxial Testing Capabilities

Feature	Specification	Compliance (Yes/No)
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Dynamic Loading	Cyclic	At required frequency	
Cyclic Control		Sinusoidal control of axial displacement or axial force	
Stress Plotting	Path	Based on average cross-sectional area	
Data Saving		Complete cycle data saved every N cycles (user-defined)	
Analysis		Real-time and post-test analysis	

H.3 General Software Features

1. Specimen input parameters
2. Type of control and range settings
3. Graphical user interface
4. Real-time data display and plotting
5. Report generation in PDF/Excel format
6. Data export capabilities
7. Test sequence programming
8. Safety limits and alarms

I. Computer System

Component	Minimum Specification	Compliance (Yes/No)
Processor	Intel Core i7 (10th Gen) or higher, 64-bit	
RAM	16 GB DDR4 or higher	
Hard Disk	1 TB SSD + 2 TB HDD	
Monitor	24 inch LED, Full HD (1920x1080)	
Graphics Card	2 GB dedicated	
Operating System	Windows 10 Pro 64-bit or higher (licensed)	
Keyboard & Mouse	Wired, standard	
UPS	2 KVA with minimum 30 minutes backup	
Printer	Color Inkjet/Laser A4 printer	
Ports	Minimum 4 USB ports, Ethernet, HDMI	

4.6.4 Calibration and Certification

1. All transducers (load cell, displacement, pore pressure) must be supplied with **NABL accredited calibration certificates** from OEM or authorized calibration agency
2. Calibration certificates must be valid for at least 1 year from date of installation

- Traceability to national/international standards must be clearly indicated

4.6.5 Documentation

The following documents must be supplied:

- Detailed operation manual (2 hard copies + soft copy)
- Maintenance manual with troubleshooting guide
- Software user manual with step-by-step procedures
- Electrical and hydraulic circuit diagrams
- Spare parts catalog with part numbers
- Test certificates from manufacturer
- Calibration certificates (NABL accredited)
- Warranty documents

4.7 EQUIPMENT 7: FULLY AUTOMATIC COMPRESSION TESTING MACHINE

4.7.1 General Description

Servo Controlled Compression Testing Machine with Load & Displacement Control, Capacity 3000 kN, with Software, Computer & Data Logger, with In-House NABL Calibration Certificate.

4.7.2 Main System Specifications

Parameter	Specification	Compliance (Yes/No)
Capacity	3000 kN	
Resolution	0.1 kN	
Clearance (Upper to Lower Platen)	410 mm	
Distance Between Side Plates	Minimum 400 mm	
Upper Platen Size	Minimum 300 mm Round	
Piston Stroke	50 mm	
Specimen Size Capability	150 mm Cube & 150 mm x 300 mm Dia Cylinder	
Control System	Servo-hydraulic with PID control	
Control Modes	Load control and Displacement control	
Upper Platen	Hardened, ground, polished with self-aligning action	
Lower Platen	Hardened, ground, polished, fixed	
Construction	Fully welded cross head, base, solid side plates	

4.7.3 Hydraulic Power Pack Specifications

Parameter	Specification	Compliance (Yes/No)
Motor	5.0 HP, 3 Phase, 440V AC	
Pump Type	Two-speed hydraulic pump	
Max. Working Pressure	300/700 bar	
Max. Oil Delivery	10 lpm	
Oil Tank Capacity	150 litres	
Oil Flow Control	Servo-controlled proportional valve	
External Leakage	Zero	
Oil Cooling	Cooling arrangement provided	
Hysteresis	Not more than 3.0%	
Threshold	Not less than 0.5%	
Pressure Transducer	Bonded strain gauge-based	

4.7.4 Hardware and Control Unit Specifications

Parameter	Specification	Compliance (Yes/No)
Analog Resolution	24-bit	
Real Time Clock	Inbuilt RTC for standalone mode	
PC Connectivity	Windows-based software for configuration	
Real-Time Data Acquisition	Controllable through PC	
LCD Display	4 lines x 20 characters with backlight	
Load Control Working Range	0.1 to 1% of full scale	
Displacement Control Range	1 micron to 100 micron per second	
Operating Temperature	-45°C to 70°C	
Display Functions	Channel data display	
Power Supply	230V, 50 Hz or 12V DC	
Battery	Inbuilt for RTC	
Log Interval	Configurable from 1 sec to HH:MM:SS	
Analog Channels	Maximum 8 channels	
Max Input Voltage	0-2.5V \pm 2.5V	
Accuracy	0.1%	
Over-protection Voltage	10V	

4.7.5 Computer System Specifications

Component	Minimum Specification	Compliance (Yes/No)
Processor	Intel Core i7 (10th Gen) or equivalent, 2 GHz Dual Core or higher	
RAM	8 GB or better (16 GB recommended)	
Operating System	Windows 10 Pro, 64-bit or higher (licensed)	
Hard Disk	Minimum 500 GB (1 TB SSD recommended)	
Monitor	Minimum 1024 x 768 resolution (24 inch Full HD recommended)	
Video Card	512 MB DirectX 10.0 capable or better	
USB Ports	Minimum 2 USB serial ports	
Keyboard & Mouse	Windows-compatible	
Printer	Windows-compatible for report generation	

4.7.6 Servo Software Capabilities

Control Parameters:

- Load Control
- Displacement Control

Features:

Feature	Specification	Compliance (Yes/No)
Multi-channel Monitoring	Simultaneous monitoring from different channels	
Channel Labels	Configurable	
Graphs/Plots Supported	- Displacement vs Time - Load vs Time - Load vs Displacement - Stress vs Strain	
Report Export	Excel and PDF formats	
Test Templates	Pre-defined and user-definable	
Real-Time Display	Multi-parameter display during testing	
Data Logging	Continuous data logging with configurable intervals	
Safety Features	Limit switches, emergency stop, overload protection	

4.7.7 Data Logger Specifications

Parameter	Specification	Compliance (Yes/No)
Type	Advanced Data Logger	
Display	LCD, backlit, 2 lines by 16 characters	
Data Memory	128 MB	
Battery Type	6V Lead Acid	
Analog Channels	16 to 48 (expandable via CEM20 modules)	
Digital Channels	12 (including high-speed counter and phase encoder)	
Interface Options	SDI-12, Ethernet, MODBUS, RS232, RS422, RS485, USB	
Sensor Compatibility	Thermocouples, thermistors, temperature sensors, strain gauges, bridge sensors	

4.7.8 Optional Strain Measurement System

For measuring Young's Modulus and Poisson's Ratio:

Component	Specification	Compliance (Yes/No)
Compressometer	With 2 Nos. LVDT (10 mm travel)	
Extensometer	For lateral strain measurement	
Calculations Supported	- Young's Modulus - Poisson's Ratio	
Plots	- Compression vs Time - Axial Strain vs Time - Stress vs Axial Strain - Lateral Strain vs Time	
Data Table	Load, Compression, Stress, Axial Strain, Lateral Strain, Time	

4.7.9 Optional Flexural Strength Measurement

Component	Specification	Compliance (Yes/No)
Flexure Frame	Dedicated frame for beam testing	
Software Module	For flexural strength calculation	
Beam Size	As per IS/ASTM standards	
Support Span	Adjustable	

4.7.10 Optional Split Tensile Strength Measurement

Component	Specification	Compliance (Yes/No)
Attachments	For cylindrical and cubical samples	
Mounting	On compression testing frame	
Standards	As per IS/ASTM	

4.7.11 Calibration and Certification

1. The load cell and all measuring transducers must be supplied with **In-House NABL accredited calibration certificates**
2. Calibration must be traceable to National Physical Laboratory (NPL) standards
3. Calibration certificate must indicate:
 - Uncertainty of measurement
 - Calibration procedure followed
 - Environmental conditions during calibration
 - Validity period (minimum 1 year)

4.7.12 Safety Features

The machine must have the following safety features:

1. Emergency stop button (easily accessible)
2. Safety guard around moving parts
3. Overload protection
4. Upper and lower limit switches
5. Electrical interlocks
6. Oil level indicator with alarm
7. Oil temperature monitoring
8. Pressure relief valve
9. Visual and audio alarms for fault conditions

4.7.13 Accessories to be Supplied

1. Set of compression platens (150mm cube and 150mm dia cylinder)
2. Spherically seated upper platen
3. Lower platen with rigid mounting
4. Specimen centering device
5. Cleaning brushes
6. Tool kit for maintenance
7. Lubricating oil (20 litres)
8. Hydraulic oil (200 litres)
9. Set of fuses and spare parts
10. Compressometer with 2 LVDTs (for strain measurement - optional if quoted)
11. Flexure testing attachment (optional if quoted)
12. Split tensile testing attachments for cube and cylinder (optional if quoted)

4.7.14 Documentation

The following documents must be supplied:

1. Detailed operation manual (2 hard copies + soft copy)
2. Maintenance manual with preventive maintenance schedule
3. Software user manual
4. Hydraulic circuit diagram

5. Electrical wiring diagram
6. Spare parts catalog with part numbers and prices
7. Test certificates from manufacturer
8. NABL accredited calibration certificates for all measuring instruments
9. Warranty certificate

4.8. Supply, installation, commissioning and training of complete and ready-to-use Universal Tester with appropriate accessories.

Application: Universal Tester shall be capable of performing tensile, compression and bend tests with appropriate accessories. It shall be able to test metals, polymers and similar materials as per relevant ASTM and other standards.

1.0	Frame type	Tabletop, single test area
1.1	Design	Dual column, low-backlash ball screws
1.2	Frame capacity	50kN or better
1.3	Drive mechanism	Precise AC/DC servo motor
1.4	PC connectivity	USB or Ethernet
1.5	Frame stiffness	100kN/mm or better
1.6	Horizontal clearance	400mm or better
1.7	Crosshead travel	1000mm or better
1.8	Speed resolution	0.001mm/min or better
1.9	Return speed range	0.001mm/min to 500mm/min or better
2.0	Power	Single phase, 220-240V, 50Hz
2.1	Common features and safety standards	a) Return to zero function b) Motor drive alarm system to monitor over/under voltage, current and temperature c) Slow speed alarm d) Adjustable mechanical limit switches e) Red colour emergency stop mounted on frame f) Physical keys on the load frame for crosshead speed adjustment – up/down/stop for easy specimen loading

		g) Compliance to international safety standards/directives
2.2	Load measurement	a) Load measurement through strain-gauge type loadcells of 50kN, 1kN and 25N capacity b) Auto identification, scaling and calibration c) Shall meet or exceed requirements of ASTM E4, ISO 7500-1, calibrated in tension and compression mode d) Load range: 2% to 100% of the capacity or better e) Accuracy: $\pm 0.5\%$ of measured load or better f) 150% or better mechanical overload protection
2.3	Extension measurement	Shall meet or exceed requirements of ASTM E83 and ISO 9513
2.4	Standard accessories	a) Set of clamps for fine wire compatible with 25N load cell with min. 2kN or higher capacity, sample diameter up to 1.5mm or better b) Set of self-tightening mechanical wedge grips, capacity 50kN or better, gripping length 50mm or better, gripping width 30mm or better, including crosshatch inserts for flat specimen up to 12mm or better and for round specimen diameter up to 8mm or better c) Set of 3pt bend attachment, 50-300mm variable span, contact rollers dia. of 10mm, sample width 50mm or better, capacity 25kN or better d) Set of compression platens, 100mm dia., 30kN capacity e) Clip-on type strain gauge extensometer, 50mm GL, 50% travel, ISO 9513 class 0.5 or equivalent f) Branded PC with i5 processor or better, 16GB RAM, 1TB SSD, 4-6 USB ports, 4GB DirectX 10.0 graphic card, mouse, keyboard and 21-23" LED monitor, 64-bit licensed Windows OS
2.5	Software	Latest material testing software with data acquisition, control and analysis tools shall be offered a) Compatibility with latest 64-bit Windows 10 or 11 OS b) In-built library of at least 100 test methods as per national and international standards and at least 10 generic methods

		c) Facility to create new user-defined test methods d) Tabbed navigation for easy user interface e) Position, stress and strain rate control modes f) Fully customizable report format and test screen layout g) Real time display of data and curves h) Multiple graphs like force vs position, force vs strain, stress vs strain, stress vs time, strain vs time etc. on single test screen and test report i) Curve and results regeneration of missing or new results j) Pass/fail limit setup k) Advanced three level login and password facility l) Multi-segment and multi-condition programmable tests m) Hold and slow-speed cyclic tests n) Units conversion to SI, metric or imperial o) Statistics functions like average, maximum, minimum, standard deviation, coefficient of variation, median etc. p) Built-in results like force, stress, strain, position, time, tensile strength, modulus, %elongation @specified load, elongation@max, load @specified %elongation, energy, compression strength, flexural strength, flexural modulus, shear strength etc. q) Recall mode to see historic data with search function r) Raw data in .csv format s) Auto and manual report generation in excel, xml, pdf format t) Auto cross-check functionality to setup test methods correctly u) Auto and manual data backup v) Loadcell overload and crosshead overtravel protection w) Software to be licensed perpetually x) Vendor to demonstrate all above software features in purchaser's facility whenever requested.
2.6	Warranty	Minimum 1 year from the date of installation
2.7	Optional accessories (Bidder must ensure the	a) Non-contact laser extensometer, visible red low-powered HE-NE laser, scanning range 600mm or better

	machine compatibility with the optional accessories in the nearby future, noncompliance of this leads to bid rejection)	b) Self-supported, contact type axial extensometer for elongation and modulus measurement, LVDT and optical encoder dual mechanism, initial 2.5mm travel measurement through LVDT, 25 and 50mm GL, 700mm or higher travel range, including bracket c) Set of parallel pneumatic grips, 5kN or higher capacity, specimen thickness up to 10mm or better, including rubber and plain steel faces 25mm (H) x 50mm (W) and pneumatic grip controller
2.8	AMC and technical support	a) OEM shall ensure spares availability for minimum seven years after the offered model is discontinued. b) OEM or authorized distributor shall arrange installation and onsite training for a minimum of two days free of cost. c) OEM or authorized distributor shall arrange demonstration of similar or higher capacity system in India upon request from the purchaser.
2.9	Technical compliance	OEM or authorized distributor shall specify correct values against each point. Yes/No type compliance is not acceptable. Purchaser reserves the right to reject any incomplete or incompetent bid partially or totally.

SECTION 5: GENERAL TERMS & CONDITIONS

5.1 Validity of Bids

5.1.1 Bids shall remain valid for **180 days** from the date of opening of Technical Bids.

5.1.2 In exceptional circumstances, the Institute may request bidders to extend the validity period. Bidders have the right to refuse such extension without forfeiting their EMD.

5.1.3 Bidders who agree to extend bid validity must also extend the validity of their EMD accordingly.

5.2 Earnest Money Deposit (EMD)

5.2.1 **EMD Amount:** ₹ 4,00,000/- (Rupees Two Lakhs Forty Thousand Only)

5.2.2 **No EMD Exemption** will be provided under any circumstances, including NSIC/MSME registered firms.

5.2.3 EMD must be submitted through:

- NEFT/RTGS/IMPS (preferred mode)
- Bank Guarantee from Scheduled Commercial Bank

5.2.4 Bids without valid EMD will be **summarily rejected**.

5.2.5 **Refund of EMD:**

- EMD of unsuccessful bidders will be refunded without interest within **30 days** of award of contract.
- EMD of successful bidder will be refunded after submission of Performance Security and signing of contract.

5.2.6 **Forfeiture of EMD:** EMD will be forfeited if:

- Bidder withdraws or modifies the bid after opening
- Bidder does not respond to requests for clarifications
- Bidder refuses to accept the purchase order
- Bidder fails to submit Performance Security within stipulated time
- Bidder is found to have furnished false/misleading information

5.3 Performance Security

5.3.1 **Amount:** 5% of Purchase Order value

5.3.2 **Form:** Bank Guarantee from any Scheduled Commercial Bank in the prescribed format (Annexure-VII)

5.3.3 **Submission Timeline:** Within **21 days** of issue of purchase order

5.3.4 **Validity:** Must remain valid for **warranty period + 60 days**

5.3.5 The Bank Guarantee must be enforceable at a bank branch in Pauri Garhwal or must have a clause to enforce at a local branch in Pauri Garhwal.

5.3.6 Failure to submit Performance Security within the stipulated time will result in cancellation of purchase order and forfeiture of EMD.

5.4 Price and Taxes

5.4.1 Price Basis:

- For Indigenous supplies: **Ex-works/FOR GBPIET Pauri Garhwal**
- For Imported supplies: **FOB (named port)**

5.4.2 Price Quotation:

- Prices must be quoted in **Indian Rupees (INR) only**
- Prices must be quoted up to **two decimal places**
- Any price quoted beyond two decimal places will be rounded off

5.4.3 Components of Price: Bidders must provide itemized breakdown of:

- Basic price of equipment
- Packing and forwarding charges
- Freight/transportation charges
- Transit insurance
- Installation and commissioning charges
- Training charges
- **GST (separately indicating CGST, SGST/IGST, and HSN/SAC code)**
- Any other charges

5.4.4 GST:

- GBPIET's GSTIN: [To be provided]
- GST will be paid as per applicable rates and regulations
- GST registration certificate must be submitted with Technical Bid
- Bidders must clearly mention HSN/SAC codes for all items

5.4.5 Customs Duty Exemption (For Imported Equipment):

- GBPIET is eligible for customs duty exemption under notification No. 51/96
- Custom Duty Exemption Certificate will be provided by the Institute
- Bidders must provide the following information for issuance of exemption certificate:
 - Shipping details (Master Airway Bill No., House Airway No.)
 - Forwarder details (Name, Contact No., Address)
- **Note:** Exemption certificate will be issued only in the name of GBPIET, not to third parties

5.4.6 Excise Duty Exemption (if applicable):

- GBPIET is exempted from Excise Duty

- Exemption certificate will be provided upon submission of:
 - Quotation with details of Basic Price, Rate, Tax & Amount
 - Purchase Order copy
 - Proforma Invoice

5.4.7 Price Escalation:

- Prices quoted must be **firm and fixed** for the entire contract period
- No price escalation will be accepted under any circumstances

5.5 Payment Terms

5.5.1 For Indigenous Supplies

100% payment will be made after:

1. Successful delivery of equipment at GBPIET
2. Complete installation and commissioning
3. Satisfactory performance demonstration
4. Acceptance by the Institute's Technical Committee
5. Submission of unconditional Performance Bank Guarantee
6. Completion of training
7. Submission of all required documents and certificates

5.5.2 For Imported Supplies

Payment through Letter of Credit (LC):

1. LC will be opened for **100% FOB/CIF value** after submission of Performance Security
2. LC will be established at the exchange rate prevailing on the date of establishment
3. **80% payment** against presentation of complete and clear shipping documents:
 - Commercial Invoice (4 copies)
 - Packing List (2 copies)
 - Bill of Lading/Airway Bill (original)
 - Insurance Certificate (if CIF)
 - Certificate of Origin
 - Manufacturer's Test Certificate
 - Warranty Certificate
4. **20% payment** after:
 - Successful installation and commissioning
 - Satisfactory performance for 60 days from installation date
 - Submission of unconditional Performance Bank Guarantee
 - Completion of training

5.5.3 Indian Agency Commission (IAC)

1. IAC (if any) will be paid after satisfactory installation and commissioning
2. Payment will be at the exchange rate prevailing on the date of negotiation of LC documents

5.5.4 Bank Charges

1. All bank charges **within India** will be borne by the Institute
2. All bank charges **outside India** will be borne by the Supplier

5.5.5 Payment Processing

1. Payments will be made through NEFT/RTGS/RTGS only
2. Bidders must submit bank details in the prescribed format (Annexure-VIII)
3. Payment will be processed within **30 days** of submission of complete bills and documents
4. TDS as per Income Tax rules will be deducted at source

5.6 Delivery and Installation

5.6.1 **Delivery Period:** Maximum **4 months (120 days)** from date of purchase order/LC opening

5.6.2 **Delivery Address:** Head, Department of Civil Engineering G.B. Pant Institute of Engineering & Technology Ghurdauri, Pauri Garhwal - 246194 Uttarakhand, India

5.6.3 **Pre-Delivery Notification:** Supplier must inform the Institute at least **7 days before dispatch** with:

- Expected date of delivery
- Invoice details
- Packing list
- Mode of transport
- Contact details of person accompanying consignment

5.6.4 **Installation Period:** Within **2 weeks (14 days)** of equipment arrival, provided site is ready

5.6.5 Installation Team:

- Must comprise qualified and trained engineers/technicians
- Accommodation will **not** be provided by the Institute
- Supplier must arrange accommodation at their own cost

5.6.6 Site Readiness:

- Supplier must submit site preparation requirements within **15 days of purchase order**
- Institute will arrange basic infrastructure as per supplier's specifications
- Any delay in installation due to non-submission of site requirements will be supplier's responsibility

5.7 Inspection and Acceptance

5.7.1 Pre-Dispatch Inspection:

- Supplier must conduct thorough factory testing before dispatch
- Factory test reports must be provided

5.7.2 Receipt Inspection:

- Equipment will be inspected upon receipt for physical damage, completeness, and specifications
- Any damage/shortage must be reported immediately

5.7.3 Installation Inspection:

- Equipment will be inspected during installation for compliance with specifications

5.7.4 Performance Test:

- After installation, performance tests will be conducted as per technical specifications
- Equipment must demonstrate all specified performance parameters

5.7.5 Acceptance Certificate:

- Will be issued only after satisfactory performance test and training
- Joint Installation and Commissioning Certificate will be signed by supplier and Institute representatives

5.7.6 Right to Reject:

- Institute reserves the right to reject equipment not meeting specifications
- Rejected equipment must be replaced within **30 days** at supplier's cost

5.8 Warranty

5.8.1 **Warranty Period:** Minimum **3 years comprehensive on-site warranty** from date of installation and acceptance

5.8.2 **Warranty Coverage:**

- All manufacturing defects
- Faulty workmanship
- Defective components/parts
- Software bugs and errors
- Calibration (annual calibration during warranty period)

5.8.3 **Warranty Services:**

- Free repair or replacement of defective parts
- Free labor for repairs
- Free software updates/upgrades
- Annual preventive maintenance (minimum once per year)
- Annual calibration with certificates

5.8.4 **Response Time:**

- Supplier must respond to service calls within **72 hours**
- Repairs must be completed within **7 days** of complaint registration
- If repair takes more than 7 days, temporary replacement (if feasible) must be provided

5.8.5 **Downtime:**

- Maximum permissible downtime during warranty: **1% per annum**
- For every day exceeding permissible downtime, penalty of **1/365 of 1% of equipment value** will be imposed
- Downtime will be counted from date and time of complaint registration

5.8.6 **Warranty Extension:**

- If equipment remains non-operational for more than **5 consecutive days**, warranty period will be extended by equivalent non-operational days

5.8.7 **Exclusions from Warranty:**

- Damage due to negligence, misuse, or unauthorized modifications
- Normal wear and tear
- Consumables (unless otherwise specified)

- Damage due to force majeure events

5.8.8 Service Engineers:

- Supplier must have minimum **3 qualified and factory-trained service engineers in India**
- Service engineers must attend to complaints within **48 hours**
- Training certificates from manufacturer must be provided
- Only factory-trained and certified engineers are acceptable during warranty period

5.8.9 Spare Parts Availability:

- Supplier must maintain adequate stock of spare parts in India
- Critical spare parts must be supplied within **7 days** of order
- Other spare parts must be supplied within **30 days**
- Spare parts must be available for at least **10 years** after supply

5.9 Annual Maintenance Contract (AMC)

5.9.1 Bidders must quote AMC charges for **2 years after warranty period** in the financial bid

5.9.2 AMC must include:

- All repair and maintenance services
- Replacement of defective parts (excluding consumables)
- Annual calibration with certificates
- Software updates/upgrades
- Preventive maintenance visits (minimum 2 per year)

5.9.3 AMC charges will be finalized at the time of AMC agreement based on quoted rates

5.9.4 AMC charges are **not included** in the equipment cost for evaluation purposes

5.10 Training

5.10.1 **Training Schedule:** Must be conducted immediately after successful commissioning

5.10.2 **Trainees:**

- Faculty members: Minimum 5 persons
- Technical staff: Minimum 5 persons

- Students: One batch of 20-30 persons

5.10.3 **Training Duration:** Minimum **2-3 days per equipment**

5.10.4 **Training Content:**

- Equipment operation and controls
- Safety precautions and emergency procedures
- Test specimen preparation
- Test procedures as per standards
- Data acquisition and analysis
- Software operation (if applicable)
- Routine maintenance procedures
- Troubleshooting common problems
- Calibration procedures

5.10.5 **Training Material:**

- Training manuals/handouts for all participants
- Video demonstrations (if available)
- Sample test data and reports

5.10.6 **Training Certificate:**

- Must be issued to all participants
- Signed by trainer and Head of Department

5.10.7 **Additional Training:**

- Supplier must provide one additional refresher training session within warranty period (free of cost)

5.11 **Liquidated Damages**

5.11.1 If supplier fails to deliver, install, and commission the equipment within the stipulated period, liquidated damages will be levied at **0.5% per week** of delay, subject to maximum of **10% of purchase order value**.

5.11.2 LD will be calculated on a weekly basis. Part of a week will be considered as full week.

5.11.3 LD will be deducted from pending payments or Performance Security.

5.11.4 Levy of LD does not absolve the supplier from other contractual obligations.

5.12 Force Majeure

5.12.1 **Definition:** Events beyond reasonable control of the supplier including:

- Wars, revolutions, civil unrest
- Earthquakes, floods, fires, epidemics/pandemics
- Government actions (in sovereign capacity)
- Freight embargoes, quarantine restrictions

5.12.2 **Notification:** Supplier must notify the Institute within **7 days** of occurrence of Force Majeure event with supporting evidence.

5.12.3 **Impact:** Supplier will not be liable for liquidated damages or termination for delays caused by Force Majeure.

5.12.4 **Obligations:** Supplier must continue to perform obligations to the extent reasonably possible and seek alternative means.

5.12.5 **Prolonged Force Majeure:** If Force Majeure continues for more than **90 days**, either party may terminate the contract.

5.13 Termination

5.13.1 *Termination for Default*

Institute may terminate the contract if supplier:

1. Fails to deliver equipment within stipulated time (including extensions)
2. Fails to perform any other obligation under the contract
3. Becomes insolvent or bankrupt
4. Engages in corrupt or fraudulent practices
5. Provides false or misleading information

Consequences of Termination:

- Performance Security will be forfeited
- Supplier will be liable for any additional costs incurred by Institute for procuring similar equipment
- Supplier may be blacklisted

5.13.2 *Termination for Convenience*

Institute reserves the right to terminate the contract for convenience by giving **30 days written notice**.

In such case:

- Supplier will be paid for work completed
- Performance Security will be returned
- No compensation for anticipated profits

5.14 Defective Equipment

5.14.1 If equipment is found to be:

- Substandard or refurbished
- Not as per specifications
- Defective in manufacturing or workmanship

Institute has the right to:

- Reject the equipment
- Demand replacement within **30 days**
- Recover payments made with **18% interest per annum**
- Forfeit Performance Security
- Blacklist the supplier

5.14.2 All costs of return shipment and replacement will be borne by the supplier.

5.15 Indemnity

5.15.1 Supplier shall indemnify and keep the Institute indemnified against:

- Patent, trademark, copyright infringement claims
- Claims from third parties for injury, death, or property damage
- Any legal liability arising from equipment use
- Statutory non-compliance (labor laws, tax laws, etc.)

5.15.2 Institute will not be responsible for:

- Any accident, injury, or death of supplier's personnel
- Loss or damage to supplier's property
- Any claims from supplier's employees

5.16 Intellectual Property Rights

5.16.1 Supplier warrants that equipment supplied does not infringe any patent, trademark, or copyright.

5.16.2 Supplier shall indemnify the Institute against any claims of infringement.

5.16.3 All documentation, software, and materials supplied become the property of the Institute.

5.17 Confidentiality

5.17.1 Supplier must maintain confidentiality of all information obtained during contract execution.

5.17.2 Information must not be disclosed to third parties without Institute's written consent.

5.17.3 This obligation continues even after contract completion.

5.18 Applicable Law and Jurisdiction

5.18.1 The contract shall be governed by the **Laws of India**.

5.18.2 All disputes shall be subject to the exclusive jurisdiction of **Courts at Pauri Garhwal, Uttarakhand**.

5.19 Arbitration

5.19.1 Any dispute arising out of or related to the contract shall first be attempted to be resolved amicably through mutual consultation.

5.19.2 If dispute cannot be resolved within **30 days**, it shall be referred to arbitration in accordance with **Arbitration and Conciliation Act, 1996**.

5.19.3 The arbitration shall be conducted by a sole arbitrator appointed by the **Director, GBPIET**.

5.19.4 The venue of arbitration shall be **Pauri Garhwal, Uttarakhand**.

5.19.5 The decision of the arbitrator shall be final and binding on both parties.

5.20 Transfer and Subletting

5.20.1 Supplier shall not sublet, transfer, assign, or part with the contract or any part thereof without prior written permission of the Institute.

5.20.2 Any unauthorized subletting will result in termination of contract and forfeiture of Performance Security.

5.21 Amendments and Modifications

5.21.1 No amendment or modification of the contract shall be valid unless made in writing and signed by authorized representatives of both parties.

5.21.2 Institute reserves the right to:

- Increase or decrease quantity of any item up to **25%**
- Add or delete items from the contract
- Modify delivery schedule with mutual consent

5.22 Correspondence

5.22.1 All correspondence must be addressed to:

The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri, Pauri Garhwal - 246194 Uttarakhand, India Email: registrar@gbpiet.ac.in

5.22.2 Supplier must provide contact details (address, phone, email) of:

- Authorized representative
- Service coordinator
- Local representative (if any)

SECTION 6: SPECIAL TERMS & CONDITIONS

6.1 Fall Clause

6.1.1 Supplier undertakes that equipment/systems being supplied have not been supplied to any other Institute/Department/PSU in India at a price lower than quoted in this tender.

6.1.2 If at any time during the contract period, it is found that similar equipment was supplied at a lower price, the same price (with due allowance for elapsed time) will be applicable to GBPIET.

6.1.3 The difference in cost will be refunded by the supplier if contract has already been concluded.

6.2 Genuine Pricing

6.2.1 Supplier must ensure that quoted prices are not more than prices offered to any other customer in India for identical equipment.

6.2.2 Copy of latest price list for quoted equipment, applicable in India (particularly to IITs/NITs/Government Organizations), must be enclosed with the offer.

6.2.3 If supplier is found to have quoted higher prices, the bid may be rejected or appropriate action will be taken.

6.3 Equipment Relocation

6.3.1 If Institute shifts to a new campus/building during the warranty period, the supplier must:

- Dismantle the equipment
- Transport to new location
- Reinstall and commission
- **Free of cost**

6.3.2 Supplier must be informed at least **30 days in advance** of such relocation.

6.4 Upgrades and Obsolescence

6.4.1 If during warranty period, any component becomes obsolete or upgraded model is available, supplier must:

- Inform the Institute immediately
- Provide upgrade at no extra cost (if feasible)
- Ensure backward compatibility
- Ensure spare parts availability for existing model

6.5 Source Code and Software License

6.5.1 For all software supplied with equipment:

- Must be genuine and licensed
- License must be perpetual (not subscription-based)
- Must be transferable
- Updates during warranty period must be free

6.5.2 Source code (if applicable) should be placed in escrow or provided to Institute for mission-critical applications.

6.6 Environmental and Safety Compliance

6.6.1 All equipment must comply with:

- Environmental regulations (RoHS, WEEE directives)
- Electrical safety standards (IS/IEC)
- CE marking (for imported equipment)
- ISO 9001 certification of manufacturer

6.6.2 Certificates of compliance must be submitted.

6.7 Canvassing and Corrupt Practices

6.7.1 **Canvassing in any form will lead to rejection of bid.**

6.7.2 Supplier must not:

- Offer any bribe, gift, or inducement to Institute officials
- Engage in any corrupt, fraudulent, or collusive practices
- Misrepresent facts or submit false information

6.7.3 Violation will result in:

- Immediate disqualification
- Forfeiture of EMD/Performance Security
- Blacklisting
- Legal action

6.8 Integrity Pact

6.8.1 Bidders must sign an Integrity Pact (Annexure-IX) committing to:

- Not offer bribes or engage in corrupt practices
- Disclose all commissions and payments
- Not collude with other bidders
- Accept Institute's right to investigate

6.8.2 Breach of Integrity Pact will result in termination and blacklisting.

6.9 Blacklisting

6.9.1 Supplier will be blacklisted for:

- Supplying substandard/defective equipment
- False declarations or misrepresentation
- Breach of contract terms
- Corrupt practices
- Repeated poor performance

6.9.2 Blacklisting period: Minimum **3 years**, extendable based on severity.

6.10 Institute's Rights

The Institute reserves the right to:

6.10.1 Accept or reject any or all bids without assigning any reason

6.10.2 Waive minor deviations if found acceptable

6.10.3 Seek clarifications from bidders

6.10.4 Cancel the tender at any stage

6.10.5 Split the order among multiple suppliers

6.10.6 Negotiate with L-1 bidder

6.10.7 Verify all information submitted by bidders

6.10.8 Conduct factory inspection before or after award

6.10.9 Increase or decrease quantity of items

6.10.10 Add or delete items

The decision of the Director, GBPIET shall be final and binding on all matters related to this tender.

SECTION 7: EVALUATION CRITERIA

The evaluation will be done in two stages: **Technical Evaluation** and **Financial Evaluation**.

7.1 Technical Evaluation

Technical bids will be evaluated based on the following criteria:

Sr. No.	Evaluation Parameter	Maximum Marks
1	Eligibility Criteria (Pass/Fail)	Qualifying
2	Financial Capability	15
	- Average Annual Turnover ₹60-80 Lakhs: 5 marks	
	- Average Annual Turnover ₹80-100 Lakhs: 10 marks	
	- Average Annual Turnover >₹100 Lakhs: 15 marks	
3	Experience	20
	- Meeting minimum criteria (Option 1/2/3): 10 marks	
	- Additional similar work >₹50 Lakhs each: 2 marks per work (max 10 marks)	

4	Past Performance	15
	- Performance certificates from clients (up to 5 marks each for max 3 clients)	
	- Ratings: Excellent-5, Very Good-4, Good-3 marks	
5	Technical Compliance	25
	- 100% compliance with specifications: 25 marks	
	- Minor deviations: Proportionate deduction	
	- Major deviations: Rejection	
6	Service Support Infrastructure	10
	- Service center in Uttarakhand: 5 marks	
	- Service center in North India: 3 marks	
	- No service center but commitment to establish: 1 mark	
	- Number and qualification of service engineers: 5 marks	
7	OEM Credentials	10
	- OEM with >20 years experience: 5 marks	
	- OEM with 10-20 years experience: 3 marks	
	- ISO 9001 certified: 2 marks	
	- R&D recognition: 3 marks	
8	Quality of Documentation	5
	- Completeness of brochures, catalogs, certificates	
	Total Technical Marks	100

Minimum Qualifying Marks: 70 out of 100

Only bidders scoring **70 or more marks** in Technical Evaluation will qualify for Financial Bid opening.

7.2 Financial Evaluation

7.2.1 Financial bids of only technically qualified bidders will be opened.

7.2.2 **Evaluation Basis:** Lowest Total Cost (L-1) for all equipment combined

7.2.3 **Total Cost Calculation:**

For Indigenous Supplies:

- Ex-works price of equipment
- Packing and forwarding charges
- Freight/transportation to GBPIET
- Transit insurance
- Installation and commissioning charges
- Training charges
- GST (as applicable)
- **Total = FOR GBPIET Price (including GST)**

For Imported Supplies:

- FOB price (in INR at current exchange rate)
- Freight and insurance (if CIF quoted)
- Customs duty (as applicable, even if exempted)
- Customs clearance and inland transportation (2% of CIF value)
- Installation and commissioning charges
- Training charges
- Indian Agency Commission (if any)
- GST (as applicable)
- **Total = Landed Cost at GBPIET (including all charges)**

7.2.4 Exchange rate to be considered: **Reserve Bank of India's reference rate on the date of Financial Bid opening**

7.2.5 Comparison between indigenous and imported offers will be on the basis of total landed cost at GBPIET.

7.2.6 The bidder quoting **Lowest Total Cost (L-1)** will be selected for award, subject to:

- Technical acceptability
- Commercial acceptability
- Satisfactory clarifications (if any)

7.3 Final Award Criteria

7.3.1 The contract will be awarded to the **Lowest Evaluated Bidder (L-1)** who is technically qualified and meets all eligibility criteria.

7.3.2 However, the Institute reserves the right to:

- Reject L-1 bid if found commercially unacceptable
- Negotiate with L-1 bidder
- Award contract to L-2 bidder if L-1 withdraws or is disqualified
- Split the order among multiple bidders

7.3.3 In case of tie (equal total cost), the following tie-breaking criteria will be applied in sequence:

- Higher technical score
- Higher annual turnover
- More experience (in years)
- Draw of lots

7.3.4 The decision of the Director, GBPIET shall be final and binding.

SECTION 8: ANNEXURES

ANNEXURE-I: DOCUMENT CHECKLIST FOR TECHNICAL BID

All documents must be uploaded as a **single PDF file** in the sequence mentioned below. Each page must be numbered and an index must be provided at the beginning.

Sr. No.	Document Description	Submitted (Yes/No)
1	Cover Letter on Company Letterhead	
2	Duly filled and signed Tender Document (all pages)	
3	EMD Proof (UTR Number/Bank Guarantee)	
4	Company Registration Certificate	
5	GST Registration Certificate	
6	PAN Card	
7	Shop & Establishment License (if applicable)	
8	Import-Export Code (if applicable)	
9	Audited Balance Sheets (last 3 years)	
10	CA Certificate for Average Annual Turnover	
11	Work Orders/Completion Certificates (last 5 years)	
12	Performance Certificates from Clients	
13	Non-Blacklisting Declaration (Annexure-III)	
14	Manufacturer Authorization Letter (Annexure-IV) (if dealer)	
15	OEM Undertaking (Annexure-V) (if dealer)	
16	Service Center Details with Address Proof	
17	List of Service Engineers with Training Certificates	
18	Local Office/Representative Details	
19	Compliance Sheet (Annexure-II) for each equipment	
20	Technical Brochures/Catalogs with highlighted specifications	
21	Sample Calibration Certificates (NABL/equivalent)	
22	CE Marking/ISO Certificates	
23	List of Clients/User List	
24	Price List applicable to Educational Institutions	
25	Undertaking (Annexure-VI)	
26	Bank Details (Annexure-VIII)	
27	Integrity Pact (Annexure-IX)	
28	Any other relevant document	

Declaration:

I/We hereby declare that all information provided above is true and correct to the best of my/our knowledge. I/We understand that any false information may lead to rejection of bid and/or termination of contract.

Signature of Authorized Signatory: _____

Name: _____

Designation: _____

Company Seal: _____

Date: _____

Place: _____

ANNEXURE-II: COMPLIANCE SHEET

Instructions:

1. Separate compliance sheet must be provided for each equipment
2. Clearly indicate "Yes" or "No" in the compliance column
3. If "No", provide deviation details and justification
4. Provide page reference to supporting documents
5. Sign and stamp each compliance sheet

Equipment Name: _____

Sr. No.	Parameter	Specified Requirement	Offered Specification	Comply (Yes/No)	Remarks/Deviation	Page Ref.

Signature of Authorized Signatory: _____

Name & Designation: _____

Company Seal: _____

Date: _____

ANNEXURE-III: NON-BLACKLISTING DECLARATION

(On Company Letterhead)

Date: _____

**To, The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand**

Subject: Declaration Regarding Non-Blacklisting

Dear Sir/Madam,

I/We, [**Company Name**], hereby declare and confirm that:

1. Our firm/company has not been blacklisted/debarred/banned/suspended by any Central Government/ State Government Department/PSU/Educational Institution or any other organization in India or abroad as on the date of submission of this bid.
2. No legal or criminal case is pending against our firm/company or its directors/partners/proprietor.
3. We have not been involved in any corrupt, fraudulent, or unethical practices in any previous contracts.
4. If any such action is taken against us during the tenure of this contract, we will immediately inform GBPIET.
5. I/We understand that if this declaration is found to be false at any stage, GBPIET has the right to:
 - Reject our bid
 - Terminate the contract
 - Forfeit EMD/Performance Security
 - Blacklist our firm
 - Take legal action

This declaration is made to the best of our knowledge and belief.

Yours faithfully,

Signature: _____

Name: _____

Designation: _____

Company Name: _____

ANNEXURE-IV: MANUFACTURER AUTHORIZATION LETTER

(On OEM's Letterhead)

Date: _____

**To, The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand**

Subject: Authorization Letter for Tender No.

Dear Sir/Madam,

We, **[OEM Company Name]**, having our registered office at **[Address]**, hereby authorize **[Dealer/Agent Company Name]**, having office at **[Address]**, to participate in the tender process and submit bid on our behalf for **"Supply, Installation & Commissioning of Civil Engineering Laboratory Equipment"** - Tender No.

We confirm that:

1. **[Dealer/Agent Name]** is our authorized dealer/distributor/agent for **[Product/Equipment Name]** in India.
2. They are authorized to:
 - Quote prices on our behalf
 - Negotiate commercial terms
 - Sign contracts
 - Coordinate delivery, installation, and commissioning
 - Provide warranty and after-sales service
3. We will provide full technical support and backup to **[Dealer/Agent Name]** for:
 - Product training
 - Installation and commissioning
 - Warranty service
 - Spare parts supply
 - Technical troubleshooting
4. We will honor all warranty commitments made by **[Dealer/Agent Name]** in this tender.
5. We will be responsible for product quality, performance, and compliance with specifications.
6. This authorization is specifically for the above-mentioned tender and is valid until contract completion.

Yours faithfully,

For [OEM Company Name]

ANNEXURE-V: OEM UNDERTAKING

(On OEM's Letterhead)

Date: _____

**To, The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand**

Subject: Undertaking for Support and Warranty - Tender No.

Dear Sir/Madam,

We, **[OEM Company Name]**, Original Equipment Manufacturer of **[Equipment Name]**, hereby undertake and confirm that:

1. We will facilitate our authorized dealer/agent **[Dealer Name]** on a regular basis with:
 - Technology updates
 - Product upgrades
 - Technical training
 - Documentation
 - Spare parts
2. We will extend full support for warranty services for the equipment supplied under this tender for the entire warranty period.
3. In case **[Dealer Name]** fails to provide satisfactory warranty service at any time, we will directly provide the service to GBPIET at no extra cost.
4. We will ensure availability of spare parts for the equipment for at least 10 years from the date of supply.
5. We will provide technical support and guidance to **[Dealer Name]** for installation, commissioning, and training.
6. We confirm that the equipment offered meets all technical specifications mentioned in the tender document.

This undertaking is valid for the entire contract period including warranty period.

Yours faithfully,

For [OEM Company Name]

Signature: _____

Name: _____

ANNEXURE-VI: UNDERTAKING BY BIDDER

(On Company Letterhead)

Date: _____

**To, The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand**

Subject: Undertaking for Tender No.

Dear Sir/Madam,

I/We, [**Company Name**], hereby undertake and confirm that:

1. We have carefully read and understood all terms and conditions of the tender document and agree to comply with them.
2. All information furnished in our bid is true, correct, and complete to the best of our knowledge.
3. We have visited GBPIET campus and inspected the installation sites and are fully aware of site conditions (or alternatively, we waive our right to claim any compensation for site conditions).
4. We will supply equipment as per technical specifications mentioned in the tender document.
5. We will deliver, install, and commission the equipment within the stipulated time period.
6. We will provide comprehensive on-site warranty for minimum 3 years from date of installation.
7. We will provide adequate training to faculty, staff, and students as specified.
8. We have adequate technical manpower and service infrastructure to support the equipment.
9. We will establish a local office/representative in Uttarakhand within 30 days of award of contract (if not already established).
10. We have not been blacklisted by any government/PSU/educational institution.
11. We will not engage in any corrupt, fraudulent, or collusive practices.
12. We understand that GBPIET reserves the right to reject our bid without assigning any reason.
13. In case of any default on our part, GBPIET may forfeit our EMD/Performance Security and take other actions as deemed fit.
14. The decision of the Director, GBPIET shall be final and binding on us in all matters related to this tender.

Yours faithfully,

Signature: _____

Name: _____

Designation: _____

Company Name: _____

Company Seal:

Date: _____

Place: _____

ANNEXURE-VII: FORMAT FOR PERFORMANCE BANK GUARANTEE

(To be printed on Non-Judicial Stamp Paper of appropriate value as per Uttarakhand Stamp Act)

Bank Guarantee No.: _____

Date: _____

To, The Director G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand

Subject: Performance Bank Guarantee for Tender No.

Dear Sir,

WHEREAS **[Company Name]**, having its registered office at **[Address]** (hereinafter called "the Supplier") has undertaken to supply, install, and commission Civil Engineering Laboratory Equipment to G.B. Pant Institute of Engineering & Technology (hereinafter called "the Institute") under Purchase Order No. _____ dated _____ for a total value of Rs. _____/- (Rupees _____).

AND WHEREAS the said Purchase Order requires the Supplier to furnish a Performance Bank Guarantee for an amount equal to **5% of the Purchase Order value**, i.e., Rs. _____/- (Rupees _____).

NOW THIS BANK GUARANTEE WITNESSETH that we, **[Bank Name]**, having our branch at **[Branch Address]** (hereinafter called "the Bank"), at the request of the Supplier, do hereby undertake to pay to the Institute an amount not exceeding Rs. _____/- (Rupees _____) against any loss or damage caused to or suffered by the Institute by reason of any breach by the Supplier of any of the terms and conditions contained in the said Purchase Order.

2. We, **[Bank Name]**, do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the Institute stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Institute by reason of breach by the Supplier of any of the terms and conditions contained in the said Purchase Order. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee.
3. We undertake to pay to the Institute any money so demanded notwithstanding any dispute or disputes raised by the Supplier in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Supplier shall have no claim against us for making such payment.
5. We, **[Bank Name]**, further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Purchase Order and that it shall continue to be enforceable till all the dues of the Institute under or by virtue of the said Purchase Order have been fully paid and its claims satisfied or discharged or till the Institute certifies that the terms and conditions of the said Purchase Order have been fully and properly carried out by the Supplier and accordingly discharges this Guarantee.
6. We, **[Bank Name]**, further agree with the Institute that the Institute shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Purchase Order or to extend time of performance by the Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Institute against the Supplier and to forbear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the Supplier or for any forbearance, act or omission on the part of the Institute or any indulgence by the Institute to the Supplier or any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
7. This Guarantee shall not be affected by any change in the constitution of the Bank or the Supplier or the Institute, nor shall this Guarantee be affected by any change in the constitution of the Supplier or the Institute by absorption with any other body or corporation and this Guarantee will be available to or enforceable by such body or corporation.
8. Our liability under this Guarantee is restricted to Rs. _____/- (Rupees _____) and will remain in force until **[Date - Warranty Period + 60 days]**.
9. Unless a claim or demand is made on us in writing on or before **[Date - Warranty Period + 60 days]**, all your rights under this Guarantee shall be forfeited and we shall be relieved and discharged from all liabilities thereunder.
10. This Guarantee shall be enforceable at our branch at **[Branch Address, preferably Pauri Garhwal or with clause for enforcement at local branch]**.

Dated this _____ day of _____, 2026.

For **[Bank Name]**

Authorized Signatory

Name: _____

ANNEXURE-VIII: MANDATE FORM FOR ELECTRONIC FUND TRANSFER

(On Company Letterhead)

Date: _____

**To, The Registrar G.B. Pant Institute of Engineering & Technology Ghurdauri,
Pauri Garhwal - 246194, Uttarakhand**

Subject: Authorization for Release of Payment through NEFT/RTGS

1. Particulars of the Party/Firm/Company:

Parameter	Details
Name of the Firm/Company	
Complete Address	
City	
State	
PIN Code	
Contact Number	
Email ID	
PAN Number	
GST Number	

2. Bank Account Details:

Parameter	Details
Bank Name	
Branch Name	
Branch Address	
Branch City	
PIN Code	
Account Type (Savings/Current/Cash Credit)	
Account Number	

IFSC Code (11 digit)	
MICR Code (9 digit)	

(Please attach a cancelled cheque or bank certificate)

DECLARATION

I hereby declare that the particulars given above are correct and complete. If any transaction is delayed or not effected for reasons of incomplete or incorrect information, I shall not hold the Institute responsible. I also undertake to advise any change in the particulars of my account to facilitate updating of records.

Signature of Authorized Signatory: _____

Name: _____

Designation: _____

Company Seal:

Date: _____

Place: _____

BANK CERTIFICATION

Certified that the particulars furnished above are correct as per our records.

Bank Stamp:

Date: _____

Signature of Authorized Bank Official: _____

Name: _____

Designation: _____

ANNEXURE-IX: INTEGRITY PACT

(To be executed on Non-Judicial Stamp Paper of Rs. 100/-)

INTEGRITY PACT

Between

G.B. Pant Institute of Engineering & Technology (hereinafter called "the Institute" or "the Purchaser"), represented by **The Registrar**, having office at Ghurdauri, Pauri Garhwal - 246194, Uttarakhand

And

[Company Name] (hereinafter called "the Bidder" or "the Supplier"), represented by **[Name & Designation]**, having office at **[Address]**

Preamble

The Institute proposes to procure **Civil Engineering Laboratory Equipment** through open tender process and the Bidder is willing to offer the equipment.

WHEREAS the Institute values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its procurement activities, and

WHEREAS the Institute requires that its procurements should be conducted in a manner that is fair, transparent, and free from any form of corruption, and

WHEREAS to this end, the Institute has developed and adopted an Integrity Pact to ensure that its procurements are free from corrupt, collusive, and coercive practices,

NOW, THEREFORE, to avoid all forms of corruption by following a system that is fair, transparent, and free from any influence or prejudiced dealings, the parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

Article 1: Commitments of the Institute

1.1 The Institute undertakes that no official of the Institute, connected directly or indirectly with this procurement, will demand, take a promise for, or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor, or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organization, or third party related to the procurement, in exchange for an advantage in the procurement process, bid evaluation, contracting, or implementation process related to the contract.

1.2 The Institute will, during the pre-contract stage, treat all Bidders alike, and will provide to all Bidders the same information and will not provide any such information to any particular Bidder which could afford an advantage to that particular Bidder in comparison to other Bidders.

1.3 All the officials of the Institute will report to the appropriate authority any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

Article 2: Commitments of the Bidder

2.1 The Bidder commits itself to take all measures necessary to prevent corrupt practices, unfair means, and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commits itself to the following:

2.1.1 The Bidder will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage, or inducement to any official of the Institute, connected directly or indirectly with the procurement process, or to any person, organization, or third party related to the procurement in exchange for any advantage in the procurement, evaluation, contracting, and implementation of the contract.

2.1.2 The Bidder further undertakes that it has not given, offered, or promised to give, directly or indirectly, any bribe, gift, consideration, reward, favor, any material or immaterial benefit, or other advantage, commission, fees, brokerage, or inducement to any official of the Institute or otherwise in procuring the contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Institute.

2.1.3 The Bidder shall disclose the name and address of agents and representatives and Indian Bidders shall disclose their foreign principals or associates, if any.

2.1.4 The Bidder shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

2.1.5 The Bidder further confirms and declares to the Institute that the Bidder is the original manufacturer/integrator/authorized agent of the equipment and has not engaged any individual or firm, whether Indian or foreign, to intercede, facilitate, or in any way to recommend to the Institute or any of its functionaries, whether officially or unofficially, to the award of the contract to the Bidder, nor has any amount been paid, promised, or intended to be paid to any such individual or firm in respect of any such intercession, facilitation, or recommendation.

2.1.6 The Bidder, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments they have made, are committed to, or intend to make to officials of the Institute or their family members, agents, brokers, or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

2.1.7 The Bidder will not collude with other parties interested in the contract to impair the transparency, fairness, and progress of the procurement process, bid evaluation, contracting, and implementation of the contract.

2.1.8 The Bidder will not commit any offence under the relevant Indian Penal Code/Prevention of Corruption Act.

2.1.9 The Bidder commits to refrain from giving any complaint directly or indirectly without supporting it with full and verifiable facts.

2.1.10 The Bidder shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

2.1.11 If the Bidder or any employee of the Bidder or any person acting on behalf of the Bidder, either directly or indirectly, is a relative of any of the officers of the Institute, or alternatively, if any relative of an officer of the Institute has financial interest/stake in the Bidder's firm, the same shall be disclosed by the Bidder at the time of filing of tender.

2.1.12 The Bidder shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the Institute.

Article 3: Previous Transgression

3.1 The Bidder declares that no previous transgression occurred in the last five years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify the Bidder's exclusion from the tender process.

3.2 The Bidder agrees that if it makes incorrect statement on this subject, the Bidder can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Article 4: Sanctions for Violations

4.1 Any breach of the aforesaid provisions by the Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Bidder) shall entitle the Institute to take all or any one of the following actions:

4.1.1 To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the Bidder.

4.1.2 The Earnest Money Deposit (in pre-contract stage) and/or Performance Security (after the contract is signed) shall stand forfeited either fully or partially, as decided by the Institute.

4.1.3 To immediately cancel the contract, if already signed, without giving any compensation to the Bidder.

4.1.4 To recover all sums already paid by the Institute with interest at the rate of 18% per annum.

4.1.5 To encash the Performance Bank Guarantee.

4.1.6 To cancel all or any other contracts with the Bidder.

4.1.7 To debar the Bidder from participating in future procurement of the Institute for a minimum period of **three years**.

4.1.8 To recover all sums paid in violation of this Pact by the Bidder to any middleman or agent or broker with a view to securing the contract.

4.1.9 To initiate appropriate legal proceedings including criminal proceedings.

4.2 The Institute will be entitled to take all or any of the above actions if the Bidder or any one employed by it or acting on its behalf commits an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

4.3 The decision of the Institute to the effect that a breach of the provisions of this Pact has been committed by the Bidder shall be final and conclusive on the Bidder.

Article 5: Independent Monitor

5.1 The Institute has appointed **[Name & Designation]** as the Independent Monitor for this Pact.

5.2 The task of the Independent Monitor shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

5.3 The Independent Monitor shall not be subject to instructions by the representatives of the parties and shall perform their functions neutrally and independently.

5.4 Both parties accept that the Independent Monitor has the right to access all the documents relating to the project/procurement.

5.5 As soon as the Independent Monitor notices, or believes to notice, a violation of this Pact, they will inform the Institute and/or Vigilance Officer.

5.6 The Bidder accepts that the Independent Monitor has the right to access, without restriction, all project documentation of the Institute including that provided by the Bidder.

Article 6: Duration of the Pact

This Integrity Pact begins when both parties have legally signed it. It expires for the Bidder:

- 6 months after the last bid submission deadline, if the Bidder's bid is not accepted
- 3 years after warranty period expiry, if the Bidder's bid is accepted and contract is awarded

Article 7: Other Legal Actions

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

Article 8: Validity

8.1 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

8.2 This Integrity Pact is subject to Indian Law. Place of performance and jurisdiction is the seat of the Institute.

IN WITNESS WHEREOF, the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of witnesses.

For the Institute:

Signature: _____

Name: The Registrar

Date: _____

Place: Pauri Garhwal

Institute Seal:

Witness 1: Name: _____ **Signature:** _____

Witness 2: Name: _____ **Signature:** _____

For the Bidder:

Signature: _____

Name: _____

Designation: _____

Company Name: _____

Date: _____

Place: _____

Company Seal:

Witness 1: Name: _____ **Signature:** _____

Witness 2: Name: _____ **Signature:** _____

For any clarification or query, please contact:

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