

**DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR**  
DEDICATED TO QUALITY EDUCATION  
AFFILIATED TO MAKAUT | APPROVED BY AICTE | NBA ACCREDITED | NAAC ACCREDITED  
An Autonomous Institute

Jemua Road, Fuljhore, Durgapur, Paschim Bardhaman, 713206

No. **BCREC/26-27/CE/NIA/001**

Date: **02/06/2026**

**TENDER NOTICE**  
**NOTICE INVITING QUOTATION**

Sealed quotation is invited from reputed firms / suppliers for supply of "Mortar Manual Flow Table Apparatus, L-Box Workability Tester, Rebar Scanner, Corrosion Locator, Standard Proctor Test/Light Compaction Test Soil Sample Extractor/Extruder and Prisms for Total Station" as per the requirements (enclosed herewith) by Head of the Department, Civil Engineering Department, Dr. B. C. Roy Engineering College, Jemua Road, Fuljhore, Durgapur, Paschim Bardhaman - 713206, for the financial year 2025-26.

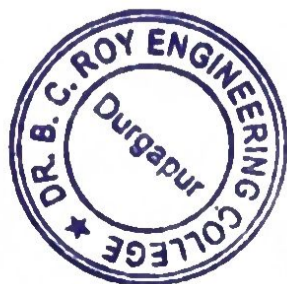
Mere submission of quotation or lowest price for the process doesn't ensure any assurance for the work order. Quotation/tender must be submitted in original separately, clearly mentioning validity period for approved rates (basic price), all taxes, installation charges, discounts (if any) etc. along with any other costs thereon; failing which tender will be summarily rejected. Also, incomplete / partial submission of itemized quotation will not be accepted.

All other legal documents must be furnished along with quotations such as Experience Certificate (certificate from the customer dated not more than 3 years), PAN / TAN, valid Trade License, One Cancelled Cheque; GST Reg. No., IT returns of last 3 years etc. Quotations must contain detailed specifications along with other information and terms and conditions if required. The terms of payment and conditions of delivery will be decided before awarding the order.

The quotation should be valid up to 3 months. The quotation documents are non-refundable. Work Order will be issued to qualified bidder (successfully satisfying the technical bid and price bid) as per the requirements of the institute subject to fulfillment of all rules and regulations. **The Tender Inviting Authority (TIA) reserves the right to accept / reject any quotation without assigning any reason thereof.**

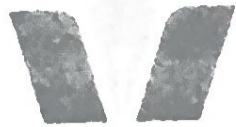
Payment and delivery schedule must have to be mentioned in the quotation. Vendors submitting the Quotation / Tender documents are requested to register through institute website link: <https://brec.ac.in/vendor-enlishment>

Last Date for Submission of Quotations / Tenders: **16/06/2026 upto 12:00 HRS.**  
Date of Opening of Quotations / Tenders: **16/06/2026 AT 14:30 HRS.**



**Sanjay Sen Gupta**  
Head of the Department **02/06/2026.**  
Civil Engineering Department  
Dr. B. C. Roy Engineering College, Durgapur

**H.O.D**  
**CIVIL ENGG. DEPT.**  
**Dr. B. C. ROY ENGINEERING COLLEGE**  
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## Annexure-I

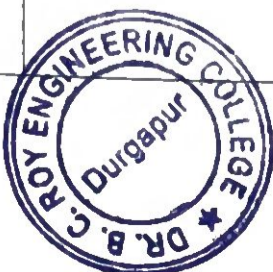
Sl. No.	Name of the Item	Item Description
1.	Mortar Manual Flow Table Apparatus	<p><b>Item Description</b> Complete setup for Mortar Manual Flow Table Apparatus, hand operated type, for determining the consistency and workability of cement mortar.</p> <p><b>1. General Description</b> This tender is for the supply, delivery, and commissioning of a high-quality Mortar Manual Flow Table Apparatus. The equipment is intended for determining the consistency and flow characteristics of cement mortar in laboratory conditions. The apparatus must ensure accuracy, repeatability, and durability in accordance with standard laboratory testing procedures.</p> <p><b>2. Technical Specifications</b> The proposed apparatus must strictly adhere to the following technical specifications: Type: Hand operated mortar flow table apparatus. Application: Determination of consistency and workability of mortar. Construction: Heavy-duty cast iron or equivalent rigid metallic body. Table Diameter: Standard circular flow table with smooth polished surface. Drop Mechanism: Manual lifting and dropping arrangement with uniform fall. Flow Mould: Brass or stainless-steel mould conforming to standard dimensions. Counter Mechanism: Provision for counting the number of drops/blows. Stability: The setup should ensure vibration-free operation during testing. Finish: Corrosion-resistant painted or powder-coated finish.</p> <p><b>3. Required Documentation and Features</b> Calibration/Inspection Certificate: The apparatus must be supplied with proper inspection and quality assurance certificate. Operation Manual: A comprehensive operation and maintenance manual in English must be provided. Accessories: Standard tamping rod and flow mould should be included. Safety Features: Proper handling arrangement and stable base support.</p> <p><b>4. Service and Warranty</b> Bidders are required to provide a detailed proposal on the following: Warranty: Minimum 12 months warranty for manufacturing defects. After-Sales Support: Availability of spare parts and technical support. Installation: Demonstration and installation support at the laboratory premises.</p>
2.	L-box Workability Tester	<p><b>Item Description</b> Complete setup for L-Box Apparatus used for determining the flow rate and passing ability of Self-Compacting Concrete (SCC) in confined spaces.</p> <p><b>1. General Description</b> This tender is for the supply, delivery, and commissioning of a high-quality L-Box Apparatus for SCC testing. The apparatus is intended to evaluate the passing ability and flow characteristics of self-compacting concrete under simulated confined reinforcement</p>



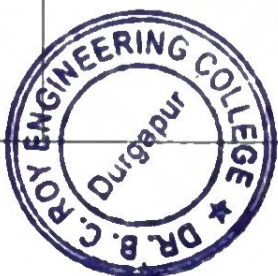
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		<p>conditions. The equipment must provide reliable and repeatable test results.</p> <p><b>2. Technical Specifications</b></p> <p>The proposed apparatus must strictly adhere to the following technical specifications:</p> <p>Application: Determination of passing ability and flow characteristics of SCC.</p> <p>Material: Stainless steel or non-corrosive metallic construction.</p> <p>Configuration: Vertical and horizontal box sections forming an "L" shape.</p> <p>Reinforcement Bars: Standard reinforcing bar arrangement at the gate section.</p> <p>Gate Mechanism: Smooth sliding gate for controlled release of concrete.</p> <p>Internal Surface: Smooth and polished inner surfaces to minimize friction.</p> <p>Measurement Scale: Clearly marked graduations for height and flow measurements.</p> <p>Stability: Rigid and vibration-free base support during testing.</p> <p>Compliance: Suitable for laboratory SCC testing procedures.</p> <p><b>3. Required Documentation and Features</b></p> <p>Inspection Certificate: Quality assurance and inspection certificate must be provided.</p> <p>Operation Manual: Detailed operation and maintenance manual in English.</p> <p>Accessories: All necessary accessories for conducting SCC flow tests.</p> <p>Safety Features: Smooth edge finishing and safe handling provisions.</p> <p><b>4. Service and Warranty</b></p> <p>Bidders are required to provide a detailed proposal on the following:</p> <p>Warranty: Minimum 12 months warranty against manufacturing defects.</p> <p>After-Sales Support: Technical assistance and spare part availability.</p> <p>Installation Support: Proper setup and demonstration at the laboratory.</p>
3.	Rebar Scanner	<p><b>Item Description</b></p> <p>Portable Rebar Scanner for testing the location, distribution, direction, and diameter of rebar along with measurement of concrete cover thickness in reinforced concrete structures.</p> <p><b>1. General Description</b></p> <p>This tender is for the supply, delivery, and commissioning of a high-quality Rebar Scanner for non-destructive testing applications in reinforced concrete structures. The equipment shall be capable of accurately detecting reinforcement bars and measuring their cover depth and diameter. The system must be portable, reliable, and suitable for field and laboratory applications.</p> <p><b>2. Technical Specifications</b></p> <p>The proposed equipment must strictly adhere to the following technical specifications:</p> <p>Diameter Measuring Range: 6 mm to 50 mm.</p> <p>Measuring Range: 5 mm to 100 mm.</p> <p>Application: Detection of location, spacing, distribution, direction, and diameter of reinforcement bars.</p> <p>Cover Measurement: Measurement of concrete cover thickness.</p> <p>Display: Digital display with clear indication of test results.</p> <p>Operation: Portable and user-friendly handheld operation.</p> <p>Data Storage: Provision for storing and reviewing measurement data.</p> <p>Power Supply: Rechargeable battery-operated system.</p> <p>Housing: Durable impact-resistant body suitable for field use.</p> <p>Accuracy: High precision measurement capability for reinforcement detection.</p> <p><b>3. Required Documentation and Features</b></p> <p>Calibration Certificate: Valid calibration certificate confirming measurement accuracy.</p> <p>Operation Manual: Detailed operation and maintenance manual in English.</p> <p>Accessories: Charger, carrying case, probes/sensors, and standard accessories.</p> <p>Software/Data Transfer: Provision for transferring or exporting test data, if applicable.</p> <p>Safety Features: Safe and insulated operation suitable for field conditions.</p> <p><b>4. Service and Warranty</b></p>



		<p>Bidders are required to provide a detailed proposal on the following:  Warranty: Minimum 12 months warranty for all components.  After-Sales Support: Availability of spare parts, servicing, and technical support.  Training: On-site operational training and demonstration for laboratory personnel.</p>
4.	Corrosion Locator	<p><b>Item Description</b>  Portable Half-Cell Corrosion Detector with Copper-Copper Sulphate reference electrode for corrosion assessment in reinforced concrete structures.</p> <p><b>1. General Description</b>  This tender is for the supply, delivery, and commissioning of a high-quality Half-Cell Corrosion Detector for corrosion potential measurement in reinforced concrete structures. The equipment shall be suitable for evaluating the probability of corrosion activity in embedded reinforcement through non-destructive testing techniques.</p> <p><b>2. Technical Specifications</b>  The proposed equipment must strictly adhere to the following technical specifications:  Reference Electrode Type: Copper-Copper Sulphate reference electrode.  Connection Stud: Copper.  Housing Size: ABS plastic high-impact yellow housing.  Stability: <math>\pm 5</math> millivolts with 3.0 microamp load.  Temperature Range: 32°F to 135°F (0°C to 57.2°C).  Application: Corrosion potential measurement of reinforcement in concrete structures.  Operation: Portable and field-applicable testing arrangement.  Construction: Durable and corrosion-resistant housing.  Measurement: Accurate and reliable half-cell potential readings.</p> <p><b>3. Required Documentation and Features</b>  Calibration/Inspection Certificate: Certificate confirming proper functionality and accuracy.  Operation Manual: Detailed operation and maintenance manual in English.  Accessories: Necessary cables, connectors, carrying case, and standard accessories.  Safety Features: Proper insulation and user-safe operating arrangement.</p> <p><b>4. Service and Warranty</b>  Bidders are required to provide a detailed proposal on the following:  Warranty: Minimum 12 months warranty against manufacturing defects.  After-Sales Support: Availability of technical support and spare parts.  Installation and Demonstration: On-site setup and operational demonstration for users.</p>
5.	Standard Proctor Test/Light Compaction Test Soil Sample Extractor/Extruder	<p><b>Item Description</b>  Complete setup for Extruder for Standard Proctor Compaction Test Apparatus, hand-operated hydraulic type, for safe and efficient extrusion of compacted soil specimens from 4"/100 mm and 6"/150 mm Proctor moulds used in soil compaction testing.</p> <p><b>1. General Description</b>  This tender is for the supply, delivery, and commissioning of an Extruder for Standard Proctor Compaction Test Apparatus used in geotechnical and soil mechanics laboratories for the safe and efficient extraction of compacted soil specimens from Proctor moulds after compaction testing. The equipment shall facilitate smooth removal of soil samples without disturbing or damaging the compacted specimen, thereby ensuring accurate determination of Maximum Dry Density (MDD) and Optimum Moisture Content (OMC) during Standard/Light Compaction Tests.</p> <p><b>2. Technical Specifications</b>  Type: Hand-operated hydraulic soil sample extruder  Capacity of Hydraulic Jack: 50 kN minimum  Operation: Manual hand-operated hydraulic mechanism  Frame: Heavy-duty rigid metallic frame construction  Plungers Supplied:  One plunger suitable for 4"/100 mm diameter mould</p>



		<p>One plunger suitable for 6"/150 mm diameter mould          Thrust Plate: Adjustable height thrust plate arrangement          Application: Suitable for Standard Proctor/Light Compaction Test Apparatus          Construction Material: Corrosion-resistant metallic body with durable finish          Working Condition: Smooth and stable extrusion without disturbing compacted soil specimen</p> <p><b>3. Required Documentation and Features</b>          Manufacturer's Test Certificate confirming proper functioning          User manual and operational guide          Calibration/Inspection certificate, if applicable          All necessary accessories required for operation shall be supplied</p> <p><b>4. Service and Warranty</b>          Bidders are required to provide a detailed proposal on the following:          Warranty: Minimum 12 months warranty against manufacturing defects          After-sales service support and availability of spare parts          Installation and demonstration at the laboratory site          Technical support during commissioning and initial operation</p>
6.	Prisms for Total Station	<p><b>Item Description</b>          62mm Premier Prism dual setting of -30 mm or 0mm offset prism for total station compatible to Trimble M3 Total Station</p> <p><b>1. General Description</b>          This tender is for the supply, delivery, and commissioning of a good quality optical retro reflector used in surveying to reflect Electronic Distance Measurement (EDM) signals back to the total station. It will be millimeter-level accuracy for distance and angle measurements over long distances,</p> <p><b>2. Technical Specifications</b>          Prism Diameter: 62 mm (2.5 inches).          Offset/Constant: Dual settings of -30 mm or 0 mm (adjustable by reversing the prism in the holder).          Prism Accuracy: &lt;5 arc seconds          Coating: Copper-coated (to prevent moisture buildup and ensure high reflection).          Canister Material: Heavy-duty metal (typically aluminum).          Thread Size: M20 (female threads for mounting inside the canister).          Height to Center: 100 mm.          Target Size: 6x9 inches (15.2x 22.8 cm)</p> <p><b>3. Required Documentation and Features</b>          Inspection Certificate: Certificate confirming proper functionality and accuracy.</p> <p><b>4. Service and Warranty</b>          Bidders are required to provide a detailed proposal on the following:          Warranty: Minimum 12 months warranty against manufacturing defects.</p>

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