



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/NIQ/002

Date: 12/08/2026

TENDER NOTICE
NOTICE INVITING QUOTATION

Sealed quotation is invited from reputed firms / suppliers for supply of "Rapid Chloride penetration apparatus for concrete (RCPT) of 3 cell with DAQ" 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 2026-27.

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.

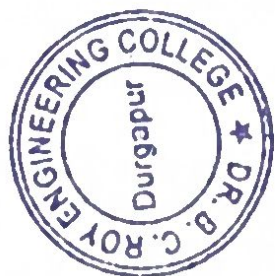
All other legal documents must be furnished along with quotations such as Experience Certificate (certificate from the customer dated not more than 3 years), PAN / TAN, valid Trade License, One Cancelled Cheque; GST Reg. No., IT returns of last 3 years etc. Quotations must contain detailed specifications 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://bcrec.ac.in/vendor-enlishment>

Last Date for Submission of Quotations / Tenders: 31/08/2026 up to 12:00 HRS.

Date of Opening of Quotations / Tenders: 31/08/2026 AT 14:30 HRS.



Sanjay Sengupta

Head of the Department

Civil Engineering Department

Dr. B. C. Roy Engineering College, Durgapur

H.O.D

CIVIL ENGG. DEPT.

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Annexure-I

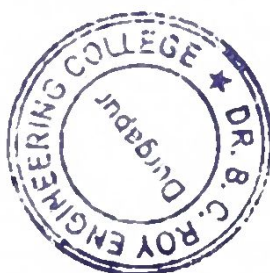
Sl. No.	Name of the Item	Item Description
1.	Rapid Chloride penetration apparatus for concrete (RCPT) of 3 cell with DAQ	Item Description Complete setup of 3 cell RCPT with DAQ for determination of the resistance of concrete to chloride ion penetration according to ASTM C1202 (also known as the Coulomb Test). 1. General Description This tender is for the supply, delivery, and commissioning of a high-quality Rapid Chloride Penetration Apparatus for Concrete (RCPT) of 3-cell with DAQ. The equipment measures the electrical charge (in Coulombs) that passes through a saturated concrete specimen over 6 hours under a 60 V DC potential. It can assess the durability of concrete against chloride ingress, which can cause corrosion of reinforcing steel. The apparatus must ensure accuracy, repeatability, and durability in accordance with standard laboratory testing procedures. 2. Technical Specifications The proposed apparatus must strictly adhere to the following technical specifications: 1. RCPT cells: • The RCPT cells shall be of dimension of 150mm X 150mm with thickness of 50mm, the material should be of transparent acrylic. • It should hold the concrete specimen up to 100mm diameter and 50mm thickness. • A rubber gasket and washers should be provided to ensure a leak-proof seal with Stainless steel bolts with washers and nuts. • The power supply should be connected to each cell through banana sockets, with current distributed via a brass mesh. • The individual cell should include openings at the top for pouring chemicals and inserting temperature sensors, which can be closed with lids when not in use. • The chemical chamber within each cell should have a capacity of at least 250 ml. 2. Data Acquisition System • LCD display indicating all the parameters continuously and DC voltage indicator. • Data transfer facility via USB to the PC through RS232 output. • Key pad switches for setting the values. • Record Interval time set: minimum 30min is for RCPT test. • Total log time set: 6hours 30 minutes as per the standard test period. 3. Required Documentation and Features 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. 4. Service and Warranty 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.



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		Delivery within one month of placing order Installation: Demonstration and installation support at the laboratory premises.
2.	Desiccator and vacuum setup (for Sample Conditioning)	Desiccator and vacuum setup (for Sample Conditioning) should have the following components attached and can be used along with the RCPT specified in Item No. 1 Desiccator (1 No.) Vacuum pump with adjustable vacuum Water tank (1 No) Moisture trap (1 No) Vacuum Gauge (1 No) Connecting tubes of 2meters length Retort stand (1 No) Ring (1 No)



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