

GOVERNMENT ENGINEERING COLLEGE, Kozhikode	
NOTICE INVITING E-TENDER	
No.GECK/215/25-P1	Dated : 27-09-2025
Tender No.	P1/02/2025-26
Subscription	Purchase of Durability Testing Equipments for MT Lab of Civil Engg Department of this institution.
Last date and time of receipt of tender	29/10/2025 3 PM On the website (www.etenders.kerala.gov.in)
Date and time of opening of tender	30/10/2025 3 PM
Bid Validity	120 days
Bidding Fee	₹.1,400/- + GST 252/-
E.M.D required	₹.6,850/-

Conditions:

Price: Should include all charges and taxes which specifically stated.

Payment: Will be made only after the successful supply, installation of the items as per supply order.

Delivery F.O.R: Govt. Engineering College, Kozhikode.

Agreement: Preliminary Agreement in **Kerala Stamp Paper worth ₹.220/-**-(Preliminary Agreement shall be uploaded without fail otherwise bid will not be considered)

Delivery Condition: Within 4 to 6 weeks from the Supply

Order Guarantee/Warranty: One year, Specified in the specification of items list.

Date of opening: In case the proposed date declared as holiday, the tender will be opened on the next working day in the same time.

Special Conditions

- The bidder must furnish name of institutions (under this department and others) in Kerala where the same items were supplied.
- Proforma Report/Original Pamphlet/Warranty Certificate/Preliminary Agreement in Kerala stamp Paper

worth ₹.220/- are required

- The demonstration of the item/equipment will have to be arranged by the bidder before the evaluation committee during technical evaluation and if any of the items/equipment is not found suitable and/or up-to-the mark by the Committee, the same shall be liable to be rejected.
- The firm must have proven knowledge and expertise in standard system installation, commissioning and providing training.
- The price must be quoted in INR ₹

After E-tendering the hard copies of all the tender documents except BOQ/Schedule should be submitted to the Principal, Government Engineering College, Kozhikode and cover should be superscribed with the tender id, closing date and opening date of the tender.

NB: The tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual. The bidders should participate this tender through E-tendering System. Tender cost and EMD should be submitted only through online. For more details contact phone number 0495 2383220.

E A Jasmin
PRINCIPAL, EC

"The document(I/429112/2025) is digitally signed"

Signed by E A Jasmin
Date: 27-09-2025 07:00:00

Sl.No.	Item with Specification	Quantity
1	Concrete permeability apparatus Cement Mortar and Concrete Permeability Apparatus (150 mm dia Three Cell Model) IS: 3085-1965. It consists of three sets of mounted on a single control panel for testing independently three specimens of 150 mm dia x 150 mm high. Three permeability cells for 150 mm dia specimens. Each cell consists of a metal cylinder with a ledge at the bottom and flange at the top, one removable cover plate and a funnel. Made of gun metal. A control panel with three independent control circuits for three Permeability cells; each control circuits consisting of water Reservoir, graduated gauge, glass tube, air inlet valve, pressure Regulator pressure gauge 0-15 kg/sq. cm. An air bleed valve, a drain cock for water reservoir and a shutoff valve for the permeability cell. A common air inlet for the three units is provided for connecting to the air compressor. Three glass/plastic bottle to collect the percolated water. Supplied with a suitable compressor.	1
2	Rapid Chloride Ion Test Apparatus for Concrete (RCPT) Power supply: The DC power supply for the cells 60 volt continuously. The DC supply is provided to all the three channels and the current of individual cells are monitored continuously. Each channel is provided with protective fuse. Flexible cables with banana type pins are provided for all the cells for easier connections to the RCPT apparatus. DC voltage is controlled by continuously adjustable potentiometer. RTD sensors are provided to measure temperature regularly. Data Acquisition System: 1. Four line LCD display is provided to indicate the current in milli ampere for eight channels. 2. 3 12 digit LED display to indicate the DC voltage. 0-99.9 V range. 3. DC voltage in 0-99.9volt, current in 999.9 milli ampere LCD displays indicate all the parameters Continuously. All the data are transmitted to the computer simultaneously. 4. Record Interval time set: 0-99hr, 0-99min and 0-99 Sec. (Normally 30min is for RCPT test) 5. Total log time set: 0-99hr, 0-99min and 0-99 Sec. (Normally 6hours 30 minutes is test period) 6. The set values are settable through key pad switches provided	1

7. All the acquired data are transferred to the PC through RS232 output and through USB 8. The monitor displays the present current reading as well as the cumulative current reading.

Specifications of RCPT cells:

1. Each RCPT cell will be made up of transparent acrylic material of 150 * 150mm* 50mm thick as per ASTM C 1202.
2. It will hold the concrete specimen of 100mm diameter 50mm thick.
3. It will be provided with rubber gasket and washers for achieving leak proof.
4. Stainless steel bolts with washers and nuts will be provided to hold the specimen rigidly.
5. The power supply will be applied to each cell through banana sockets and the current will be distributed through the brass mesh.
6. Each cell will be provided with openings in top for pouring chemicals and the temperature sensors. The openings can be closed with lids.
7. The volume of chemicals within the chamber shall be 250ml.

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Tile abrasion testing machine.

Dorry Abrasion Testing Machine (BS : 812-196)

- i) A circular disc mounted on a reduction gear driven by an electric motor at about 28-30 rpm.
 - ii) Two large trays for holding the sample.
 - iii) Two small trays for sample.
 - iv) Two conical hoppers for sand.
 - v) Two sample try holders.
 - vi) Two sets of weights for loading the samples.
 - vii) A revolution counter.
- Suitable for operation on 220 V, 50 Hz, single phase supply.

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Warranty: Not less than One year for all items.

For Spec enquiry: anjana@geckkd.ac.in



[Signature]
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