

COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16

NOTICE INVITING TENDER

No.CET/1290/2025-P1

23-09-2026

Tender ID	:2026_DTE_870243_1
Tender NO	:84/P1/Oven/26/CET
Superscription	:Purchase of Laboratory Hot Air Oven for Bituminous Sample Conditioning in Transportation Engineering lab in Civil dept
Last date and time of receipt of tender on the website(www.etenders.kerala.gov.in)	:14/10/2026 3 PM
Date and time of opening of tender	:17/10/2026 3 PM
Date up to which the rates are to be firm	:17/04/2027
Tender Cost	: 472/- (400/- Should be payed to department 72/- should be payed to GST department by bidder)
EMD required	: 1000/-

General conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
4. The item should be supplied at Transportation Engineering lab in Civil department of this institution
5. Agreement as per NIT 2 in Rs.220/- Kerala Stamp Paper and tender form should be uploaded.
6. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.

7. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
8. Only GST registered firms can participate in the Tender. GST number must be mentioned. The firm under composition scheme must mention the words "Composition taxable person" in their documents and should submit proof for that.
9. After E-Tendering the hard copy of documents should be submitted before the opening date.

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 Ph.8075944677

Detailed Specification

SI No	Name of Item	Qty
1	Laboratory Hot Air Oven	1

SI No.	Feature	Specification
1	General	The equipment shall be a circulating air oven suitable for conditioning bituminous materials, aggregates, Marshall specimens, moulds, and laboratory equipment used in pavement engineering. The oven shall comply with the relevant requirements of: • ASTM International ASTM D6926 • AASHTO T245 • Relevant asphalt mixture testing standards.
2	Capacity	• Internal chamber volume: Minimum 150 litres • Stainless steel chamber with adjustable shelves. • Minimum 2 removable stainless steel racks.
3	Temperature Range	• Ambient +10°C to +250°C
5	Temperature Control	• Digital PID microprocessor temperature controller. • Temperature resolution: 1°C or better. • Temperature stability: ±1°C. • Temperature uniformity: ±2°C throughout the chamber.

6	Heating System	- Stainless steel tubular heating elements. - Uniform air circulation to maintain homogeneous temperature.
7	Camber Construction	- Inner chamber: Stainless steel (SS 304). - Outer body: Powder-coated mild steel. - High-density mineral wool/glass wool insulation (minimum 75 mm).
8	Door	- Double-walled insulated door. - Heat-resistant gasket. - Heavy-duty hinges with locking arrangement.
9	Display	- Digital LED/LCD display showing: - Set temperature - Actual chamber temperature
10	Timer	- Digital timer. - Range: 1 minute to 999 minutes. - Automatic shut-off after completion of preset time.
11	Safety Features	- Independent over-temperature safety thermostat. - Overheat protection. - Short-circuit protection. - Earth leakage protection. - Audible/visual alarm for over-temperature condition.
12	Power Supply	230 V AC 50 Hz - Single phase
13	Accessories	The equipment shall be supplied with: - Two stainless steel shelves - Shelf supports - Power cord - User manual - Calibration certificate
14	Warranty	- Minimum one-year comprehensive warranty. - Installation and demonstration at site. After-sales service support in Kerala/South India
15	Desirable Optional Features	- Stainless steel exterior. - Observation window with double glass. - Internal chamber light. - USB data logging.

		• Castor wheels for mobility. • Temperature calibration certificate from a NABL-accredited laboratory.
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Digitally Approved by
DR.JOSEPH ZACHARIAS

PRL CET

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JOSEPH ZACHARIAS
Date: 23-09-2026
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The document is digitally approved. Hence signature is not
needed.