

COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16

NOTICE INVITING TENDER

No.CET/1289/2025-P1

23-09-2026

Tender ID	:2026_DTE_870243_1
Tender NO	:83/P1/TRC/26/CET
Superscription	:Purchase of Automatic Marshall Compactor in Transportation Engineering lab in Civil dept
Last date and time of receipt of tender on the website(www.etenders.kerala.gov.in)	:13/10/2026 3 PM
Date and time of opening of tender	:16/10/2026 3 PM
Date up to which the rates are to be firm	:16/04/2027
Tender Cost	: 472/- (400/- Should be payed to department 72/- should be payed to GST department by bidder)
EMD required	: 2000/-

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 30 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

Sl No	Name of Item	Qty
1	Automatic Marshall Compactor	1

Sl No.	Feature	Specification
1	General	The equipment shall be a electrically operated automatic Marshall compactor suitable for preparing repeatable bituminous Marshall specimens in accordance with the latest versions of: ☐ ASTM D6926 ☐ AASHTO T245 The equipment shall be suitable for compacting 4-inch (101.6 mm) and 6-inch (152.4 mm) Marshall specimens using interchangeable mould assemblies.
2	Compaction System	☐ Electrically operated automatic compactor. ☐ Automatic hammer lifting and dropping mechanism. ☐ Automatic stop after completion of preset blows. ☐ Digital blow counter. ☐ Preset blow range: 1–999 blows.

		• Manual reset facility.
3	Hammer Assembly	The equipment shall be supplied with interchangeable hammer assemblies: For 4-inch specimens • Hammer weight: 4.54 ± 0.02 kg • Drop height: 457 ± 5 mm For 6-inch specimens • Hammer weight: 10.2 ± 0.05 kg • Drop height: 457 ± 5 mm
4	Compaction Rate	Automatic compaction rate between 50 and 65 blows per minute.
5	Mould Compactibility	The compactor shall accommodate • Standard 4-inch Marshall moulds • Standard 6-inch Marshall moulds The mould holder shall be easily interchangeable.
6	Frame	• Heavy-duty fabricated steel frame. • Powder-coated finish. • Stable base to minimize vibration during compaction.
7	Power Supply	• 230 V AC • 50 Hz • Single phase
8	Safety Features	• Protective safety enclosure around the hammer. • Emergency stop provision. • Electrical overload protection.
9	Warranty and Other Conditions	• The equipment should have a model number in the supplier website. • Equipment should have supplied to National laboratories and feedback should be available • Operation and maintenance manual. • Minimum one-year comprehensive warranty. • Installation, commissioning, and on-site demonstration shall be included. • Availability of spare parts and after-sales service in Kerala/South India.

Digitally signed by
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Date: 23-09-2026
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Digitally Approved by
DR.JOSEPH ZACHARIAS
PRL CET

The document is digitally approved. Hence signature is not
needed.