

COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16

NOTICE INVITING TENDER

No. CET/602/2025-P1

22-12-2025

Tender ID	: 52/P1/TRC/2025/CET
Tender NO	: 2025_DTE_822516_1
Superscription	: Purchase of Embedded computing developer Kit with compatible.
Last date and time of receipt of tender on the website (www.etenders.kerala.gov.in)	: 07/01/2026
Date and time of opening of tender	: 09/01/2026
Date up to which the rates are to be firm	: 07/ 07/2026
Tender Cost	: 590/- (500/- Should be payed to department 90/- should be payed to GST department by bidder)
EMD required	: 2500/-

General conditions

1. The price quoted should be inclusive of all taxes, freight charges, delivery, transporting, packing, shipping, loading and unloading charges, installation and commissioning charges and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. The item should have a minimum warranty of 1 year.
4. Delivery Period: Maximum Delivery period will be 30 days from the date of receipt of supply order.
5. The item should be supplied at Electronics and Communication Engineering Department of this institution
6. Agreement as per NIT 2 in Rs.220/- Kerala Stamp Paper and tender form should be uploaded.
7. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
8. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
9. 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.

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.+91 9496366697

Detailed Specification

Sl No	Item	Qty
1	<p>Embedded computing developer kit with compatible 1 TB PCIe Gen 3 M.2 SSD and 128 GB UHS-1 SD card or better</p> <p>. Core Components</p> <p>. GPU:</p> <ul style="list-style-type: none"> . NVIDIA Ampere architecture . 2048 NVIDIA CUDA cores . 64 Tensor Cores <p>. CPU</p> <ul style="list-style-type: none"> . 12-core Arm Cortex -A78AE v8.2 64 - bit CPU . Cache: 3 MB L2 + 6 MB L3 <p>. Deep Learning Accelerator (DLA):</p> <ul style="list-style-type: none"> . 2x NVDLA v2.0 <p>. Vision Accelerator:</p> <ul style="list-style-type: none"> . 1 x PVA v2.0 <p>. Memory and Storage</p> <p>. System Memory:</p> <ul style="list-style-type: none"> . 64 GB LPDDR5 (256-bit interface) . Memory bandwidth: 204.8 GB/s <p>. Onboard Storage:</p> <ul style="list-style-type: none"> . 64 GB eMMC 5.1 <p>. Connectivity and Expansion (Reference Carrier Board)</p> <ul style="list-style-type: none"> . Camera Interface: 16-lane MIPI CSI-2 connector . PCIe Slot: x16 PCIe slot supporting x8 PCIe Gen4 . Networking: RJ45 Ethernet up to 10 GbE <p>. M.2 Slots:</p> <ul style="list-style-type: none"> . Key M: x4 PCIe Gen4 (for NVMe SSD) . Key E: x1 PCIe Gen4, USB 2.0, UART, 12S (for Wi-Fi / Bluetooth module) 	1

<ul style="list-style-type: none">. USB Ports:<ul style="list-style-type: none">. 2 x USB Type- C (USB 3.2 Gen 2 with USB - PD support). 2 x USB Type - A (USB 3.2 Gen2). 2 x USB Type - A (USB 3.2 Gen1). 1 x USB Micro - B (USB 2.0). Display Output : Display Port 1.4a with MST (Multi - Stream Transport). MicroSD Slot : UHS -I cards up to SDR104 mode. Specifications of I/O peripherals :<ul style="list-style-type: none">. Full HD display (15 " or larger) and input devices compatible with the Embedded Computing developer kit.	
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Digitally Approved by
PRL CET
K SURESH

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