COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16

NOTICE INVITING TENDER(Retender)

No.CET/1174/2026-P1 05-11-2026

Tender ID	:2026_DTE_866142_3
Tender NO	:78/P1/Drone/26/CET
Superscription	:Purchase of Drone for Traffic Engineering Laboratory in Department of Civil Engineering.
Last date and time of receipt of tender on the website(www.etenders.kerala.gov.in)	:17/11/2026 3 PM
Date and time of opening of tender	:19/11/2026 3 PM
Date up to which the rates are to be firm	:19/05/2027
Tender Cost	: 590/- (500/- Should be payed to department 90/- should be payed to GST department by bidder)
EMD required	: 2100/-

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 Traffic Engineering Laboratory in Department of Civil Engineering of this institution
5. The period of warranty should be 1 year.
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.
10. 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.8281932903.

SI no.	Name of item with specifications
1	Drone with training for students and faculty

Detailed Specification

Description of items

1	Assembled Quadcopter, complete with all kits (charger, cables). Specifications as mentioned below.	1 No.
2	Offline Training – conducted by our faculty within the CET Trivandrum campus	1Batch
3	Remote Pilot Certificate (RPC) – Small Category, up to 25 kg –tomeet DGCA compliance.	1 No.

Specifications- Assembled Quadcopter

Configuration	Fully assembled, ready-to-fly quadcopter with 3-axisstabilised gimbal camera
Maximum	Sub-250 g class (small category, per DGCA classification)

Takeoff Weight	
Obstacle Sensing	Omnidirectional vision sensing with forward LiDAR anddownward infrared detection
Positioning	GPS / GLONASS / BeiDou satellite positioning
Max Flight Time	Up to 30 minutes (standard battery), up to 50 minutes(extended battery)
Max Wind Resistance	Level 5 (up to 12 m/s)
Transmission Range	Up to 20 km, latest-generation video transmission protocol
Included Kit	Aircraft, remote controller, charging hub, batteries, USB-Ccharging cables, spare propellers, carrying case

Integrated Camera & Gimbal System – Technical Specifications

Sensor	1-inch CMOS, 50 MP effective (quad-Bayer)
Lens	24 mm equivalent focal length, f/1.8 aperture, 84° field ofview
Focus Range	0.5 m to infinity
Photo Resolution	8192 × 6144 pixels; JPEG and RAW formats
Video Recording	Up to 4K/120fps and Full HD/240fps slow-motion; 10-bitcolour modes with D-Log M
Gimbal	225° rotation, enabling both horizontal and true verticalshooting
Angular Vibration Control	±0.005°
Storage	42 GB onboard storage plus microSD card slot
ND Filters	Compatible magnetic ND filter set (included in kit) forcontrolled-exposure data capture

Apart from the purchase additional trainings to be given :

1. One day training for students and faculties at College of Engineering Trivandrum
2. Training for one faculty for Remote Pilot Certificate (RPC) – Small Category, up to 25 kg
3. Warranty – 1year (not for crash related maintenance)

Annexure-1

Sl. No.	Eligibility Requirement	Documentary Evidence Required
1	The bidder shall be a Company/LLP/Partnership/Proprietorship registered under applicable laws in India.	Certificate of Incorporation/ Registration Certificate
2	The bidder shall have a minimum of **5 years of existence** from the date of incorporation/registration.	Certificate of Incorporation/ Registration Certificate
3	The bidder shall maintain a **registered office/branch office in the State of Kerala**.	GST Registration / Rental Agreement/ Utility Bill / Office Proof
4	The bidder shall possess valid GST Registration and PAN.	GST Certificate& PAN Copy
5	The bidder shall have **minimum 3 years of experience in Drone Technology Training**.	Work Orders / Completion Certificates/Client Certificates
6	The bidder shall bean **Own DGCA Approved RPTO(Remote Pilot Training Organisation)**and shall possess a valid DGCA RPTO authorization.	Valid DGCA RPTO Certificate/Approval Letter
7	The bidder shall have experience in **design,development, assembly, integration and testing of drones**.	Purchase Orders / Completion Certificates/Project

		Documents
8	The bidder shall have executed projects related to **Research& Development (R&D) in Drone Technology**, particularly involving AI-enabled drone systems, autonomous drones, intelligent flight systems, computer vision, or drone-based data acquisition solutions.	Project Completion Certificates/Client Certificates / Research Publications/Work Orders
9	The bidder shall possess adequate technical manpower including DGCA Certified Remote Pilots,Drone Engineers and Technical Trainers.	Employee List along with Certifications
10	The bidder shall not have been blacklisted/debarred by any Government Department, PSU, Autonomous Body or Educational Institution.	Self Declaration
11	The bidder shall have experience in conducting training programs for Government Departments, Educational Institutions,Defence Organisations, PSUs or Corporate Organizations.	Work Orders/ Completion Certificates
12	The bidder shall have necessary infrastructure including training facilities, drone fleet, simulators (if applicable), maintenance facilities and technical support.	Self Declaration with Photographs&Asset List

Digitally Approved by
DR.JOSEPH ZACHARIAS
PRL CET

Digitally signed by
JOSEPH ZACHARIAS
Date: 05-11-2026
12:22:10

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