



GOVERNMENT OF KERALA
POLICE DEPARTMENT

Vazhuthacaud, Thiruvananthapuram - 695010

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e-Government Procurement (e-GP)

REQUEST FOR PROPOSAL

H6/172093/2026/PHQ

Dated: 01/09/2026

The Director General of Police & State Police Chief, Kerala Police Department, Government of Kerala invites online bids from reputed firms/agencies for the **Training Support Accessories DGCA - Certified Remote Pilot Training** under the Scheme for "Technology Upgradation of Cyber Crime Investigation" under Assistance to States and UTs for Modernisation of Police 2026-27 (ASUMP 2026-27).

The tender includes the **Supply, Installation, Configuration and Commissioning of Drone Flight Simulator Software and Licences – 10 Nos and Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment** specified in the enclosed technical specifications and conditions.

1	Tender No.	KPET/34/2026/PHQ Dated 01.09.2026
2	Name of Project	Training Support Accessories DGCA - Certified Remote Pilot Training:- (i. Supply, Installation, Configuration and Commissioning of Drone Flight Simulator Software and Licences – 10 Nos and ii. Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment)
3	Estimated Amount	Rs. 13.40 Lakhs
4	Tender Fees	(through online mode only) Rs. 2,500 /- [Rupees Two thousand and five hundred Only] (GST extra) 18% GST amount on tender fees mentioned above shall be paid to GST Department directly by the bidder.
5	Earnest Money Deposit	Rs. 13,400/- (Rupees Thirteen thousand and four hundred Only) (through online mode/Bank Guarantee)
6	Specifications	Attached in the Tender document.
7	Date and Time of Publication of e Tender	01.09.2026, 02:00 PM
8	Date of submission of e-Tender	01.09.2026, 02:00 PM To 14.09.2026,12:00 NOON
9	Last date and time for online Submission of e Tender	14.09.2026, 12.00 NOON
10	Date and time of opening of e-Tender	15.09.2026, 03.00 PM

11	Place of opening	Police Headquarters, Vazhuthacaud, Thiruvananthapuram- 695010
12	Date of Technical Evaluation	Bidders should be ready to attend the Technical Evaluation with product on any day within 1 week after bid opening date on short notice.
13	Address of Tender Inviting Authority	State Police Chief, Kerala, Vazhuthacaud, Thiruvananthapuram - 695010 Ph: 0471-2722566 Mobile No. 9497996998 Fax: 0471-2722566 e-mail: aig2phq.pol@kerala.gov.in Website: www.keralapolice.gov.in
14	Bid Validity	(Total Number of Days up to which the rates are to be firm) 180 days

REQUEST FOR PROPOSAL (RFP) FOR TRAINING SUPPORT ACCESSORIES DGCA-CERTIFIED REMOTE PILOT TRAINING

I. RFP-1 Supply, Installation, Configuration and Commissioning of Drone Flight Simulator Software and Licences – 10 Nos.

1. Introduction

Kerala Police invites sealed/electronic proposals from eligible and experienced Original Equipment Manufacturers (OEMs), authorised distributors, authorised dealers, system integrators or authorised resellers for the supply, installation, configuration, testing and commissioning of Drone Flight Simulator Software and Licences – 10 Nos.

The proposed software shall be used as part of the In-house Training Centre for DGCA-Certified Drone Pilot Training of Kerala Police. The simulator shall provide a realistic and interactive virtual training environment for drone pilot trainees for developing flight-control

skills, operational familiarisation, mission planning, emergency handling and scenario-based training.

The offered simulator software shall be compatible with the computer workstations and suitable flight-controller/radio-transmitter equipment proposed for the training facility. The complete solution shall be supplied with genuine and valid licences, installation, configuration, demonstration, training, documentation and technical support.

2. Scope of Work

The scope of work shall include the supply, installation, configuration, testing and commissioning of 10 Nos. licensed professional Drone Flight Simulator Software at the designated Kerala Police training facility.

The successful bidder shall install and activate the software on the designated simulator workstations and configure the simulator for optimum performance with the supplied computer systems, graphics processing units, monitors and flight-controller/radio-transmitter equipment.

The bidder shall configure the required flight controls, simulation parameters, training environments and scenarios and shall ensure that the complete system is ready for operational training.

The scope shall also include demonstration of the simulator, basic operational training to designated personnel, provision of user and technical documentation, licence certificates, software updates and technical support during the applicable support period.

All software, drivers, utilities and other components necessary for the normal operation of the supplied simulator shall be included within the bidder's scope wherever required.

3. Purpose and Training Application

The simulator software shall primarily be used for drone pilot training and skill development and shall provide a realistic simulation environment corresponding to practical drone operations.

The system shall be suitable for:

- Basic drone familiarisation and flight-control training.
- Take-off, landing and hovering exercises.
- Manual and assisted flight training.
- Orientation and directional flight exercises.
- Altitude and speed control.
- GPS-assisted and autonomous flight training.
- Waypoint and mission-planning exercises.

- Return-to-Home training.
- Emergency and abnormal flight-condition training.
- Day and night flight training.
- Weather and environmental-condition simulation.
- Indoor and outdoor flight scenarios.
- Camera and payload operation familiarisation, where supported.
- FPV and conventional drone flight simulation, where applicable.
- Scenario-based operational training.
- Flight recording and performance review, wherever supported by the software.

The simulator shall be suitable for instructor-led as well as individual trainee practice.

4. Technical Specifications

The offered Drone Flight Simulator Software shall meet or exceed the following minimum technical requirements:

Sl. No.	Parameter	Minimum Specification
1	Software Type	Professional Drone/UAV Flight Simulation Software suitable for pilot training
2	Licence Quantity	10 Nos. valid licences
3	Training Application	Drone pilot training, flight familiarisation, skill development and operational scenario training
4	Flight Simulation	Realistic physics-based drone flight simulation
5	Drone Support	Support for multiple types/classes of multirotor drones and UAV platforms
6	Flight Modes	Manual, Assisted, GPS/Position Hold, Altitude Hold, Return-to-Home and applicable flight modes
7	Training Environment	Indoor and outdoor simulated flight environments
8	Terrain	Realistic 3D terrain and environmental rendering
9	Weather Simulation	Wind, rain and applicable environmental conditions
10	Day/Night Simulation	Day, night and variable lighting conditions
11	Mission Training	Waypoint-based and mission-oriented flight training
12	Emergency Training	Simulated emergency and abnormal flight situations
13	Navigation Training	GPS-based navigation and simulated navigation scenarios
14	Camera/Payload Simulation	Simulation of drone camera/payload operation, where supported
15	FPV Training	FPV and/or conventional drone flight simulation, where applicable

16	Controller Compatibility	USB-connected drone radio transmitters, flight controllers, joysticks and standard simulator controllers
17	Peripheral Support	Support for simultaneous connection of required USB training peripherals
18	Training Scenarios	Multiple pre-configured training scenarios
19	Scenario Configuration	Provision for configuration of flight parameters and training conditions
20	Flight Recording	Recording and playback of simulated flights, where supported
21	Flight Parameters	Display of applicable altitude, speed, position, heading, battery and other flight parameters
22	Training Assessment	Facility for monitoring/evaluation of trainee flight performance, where supported
23	Graphics	Real-time 3D graphics suitable for professional flight simulation
24	Display Support	Full HD or higher display resolution
25	Audio	Suitable environmental and simulator audio
26	Operating Platform	Windows 11 Professional 64-bit or compatible supported version
27	Hardware Compatibility	Compatible with the supplied simulator workstation and GPU configuration
28	Offline Operation	Support for simulator operation without continuous internet connectivity after licence activation, wherever technically applicable
29	Software Updates	Software updates and applicable bug/security fixes during the support period
30	User Profiles	Individual trainee/user profile or equivalent facility
31	Training Management	Suitable for institutional/classroom-based drone pilot training
32	User Interface	User-friendly graphical interface suitable for trainees and instructors
33	Licence Management	Genuine OEM/software publisher licence with activation details
34	Technical Support	OEM/vendor technical support for installation, configuration and troubleshooting
35	Support Period	Minimum 3 years comprehensive software support and updates

Note: Equivalent or superior specifications shall be acceptable, provided the offered software meets or exceeds the minimum functional and performance requirements specified above.

5. Flight Controller and Radio Transmitter Integration

The simulator shall support connection of suitable drone radio transmitters, flight controllers, joysticks or simulator controllers through USB or other standard interfaces.

The bidder shall configure and demonstrate the controller inputs required for drone flight training, including throttle, yaw, pitch, roll, flight-mode controls and other applicable auxiliary controls.

The software shall be capable of working simultaneously with the supplied simulator workstation, display, radio transmitter/flight controller and other approved training peripherals.

The bidder shall clearly specify the supported controller interfaces, protocols and compatible equipment in the technical offer.

6. Training Environment and Scenario Requirements

The simulator shall provide realistic and configurable virtual environments for training purposes. The training environment should support different terrain and operational conditions and shall permit trainees to practise normal as well as abnormal flight situations.

The software should provide suitable scenarios for:

- Take-off and landing.
- Hovering and controlled movement.
- Navigation and orientation.
- Waypoint missions.
- Autonomous flight.
- Return-to-Home.
- Wind and adverse weather conditions.
- Day and night operations.
- Obstacle-related flight exercises.
- Emergency landing and abnormal flight situations.
- Camera/payload operation.
- FPV operations, where applicable.
- Operational and mission-oriented scenarios.

Provision for adding or configuring additional training scenarios shall be clearly specified by the bidder.

7. Trainee and Instructor Features

The simulator shall be suitable for use by multiple trainees in an institutional training environment.

The software should provide facilities for creating trainee profiles, selecting training scenarios, recording flight sessions and reviewing trainee performance.

Where supported by the offered software, the system should provide flight replay, performance assessment, training records and instructor monitoring facilities.

The bidder shall demonstrate the available trainee and instructor features during commissioning.

8. Installation, Configuration and Commissioning

The successful bidder shall undertake complete installation and commissioning of the software on 10 Nos. designated simulator workstations.

The bidder shall carry out software installation, licence activation, graphics configuration, controller configuration and optimisation of simulator settings.

The bidder shall ensure that the simulator operates smoothly with the supplied workstation configuration and that the required flight-controller/radio-transmitter interfaces are properly configured.

The bidder shall conduct complete functional testing and demonstrate the operational readiness of each simulator system before final acceptance.

9. Performance Requirements

The simulator software shall be capable of stable operation during extended training sessions.

During commissioning, the bidder shall demonstrate:

- Stable operation of the simulator.
- Proper 3D rendering and graphics performance.
- Correct operation of flight controls.
- Successful operation of different flight modes.
- Proper functioning of training environments.
- Operation of weather and environmental simulation features, where provided.
- Successful connection of the flight controller/radio transmitter.
- Proper operation of the supplied display.
- Recording/replay functionality, where supported.
- Stable operation during an extended continuous training session.

The simulator shall not exhibit abnormal crashes, instability or thermal-related software/system issues during the acceptance test.

10. Software Licensing

The bidder shall provide 10 Nos. genuine, valid and legally authorised licences.

The bidder shall clearly specify the licence type, validity, permitted number of installations/users, activation procedure, update entitlement and technical support entitlement.

All licence certificates, activation details and relevant documentation shall be handed over to Kerala Police at the time of commissioning.

Any subscription, cloud service, recurring payment or additional mandatory licence required for operation shall be clearly declared in the bid.

There shall be no undisclosed recurring cost or mandatory additional software requirement for the basic functionality specified in this RFP.

11. Cybersecurity and Software Integrity

Since the simulator systems are intended for use by Kerala Police, all software supplied shall be genuine, properly licensed and obtained through authorised sources.

The bidder shall not install any unauthorised, pirated or unnecessary third-party software.

The bidder shall disclose any cloud connectivity, telemetry, online authentication or external service required by the simulator.

The simulator shall, wherever technically applicable, support operation within a secure or isolated organisational network without requiring continuous external internet connectivity for basic simulation functions.

12. Training and Demonstration

The successful bidder shall provide basic operational training to designated Kerala Police personnel.

Training shall cover operation of the simulator, software configuration, licence management, flight-controller/radio-transmitter configuration, selection of training scenarios, graphics settings, basic troubleshooting and software update procedures.

The bidder shall conduct a complete practical demonstration before final acceptance.

13. Documentation

The successful bidder shall provide all necessary documentation, including:

- OEM/software publisher datasheet.
- User manual.
- Administrator/configuration manual, where applicable.
- Licence certificate and activation details.
- Software version details.
- Supported controller and hardware list.
- Installation and configuration report.
- Testing and commissioning report.
- Warranty/support certificate.
- Technical support contact details.
- Software update procedure.
- Relevant system administration documentation.

14. Warranty and Technical Support

The bidder shall provide a minimum three (3) years comprehensive software support and technical assistance from the date of successful commissioning.

The support shall include software troubleshooting, licence-related assistance, installation/reinstallation support, configuration assistance, software updates and applicable bug fixes.

The bidder shall provide technical assistance for compatibility and integration with the supplied simulator workstations and flight-controller/radio-transmitter equipment.

The bidder shall clearly specify the support mechanism, service response time, escalation procedure and contact details of the authorised support personnel.

15. Bidder Eligibility

The bidder shall preferably be an OEM/software publisher, authorised distributor, authorised dealer, system integrator or authorised reseller of the proposed simulator software.

The bidder shall have valid registration under applicable Indian laws and valid GST registration and shall be capable of providing genuine software licences and technical support.

Experience in supplying and commissioning professional drone/UAV simulation software to Government Departments, Police, Defence, PSUs, educational institutions or other public-sector organisations may be considered as an added qualification.

The bidder shall have an established technical support mechanism within India.

16. Technical Compliance Statement

The bidder shall submit a point-by-point compliance statement against the technical specifications given in this RFP.

The bidder shall clearly mention the offered specification and indicate whether each requirement is complied with.

Any deviation shall be specifically mentioned in the compliance statement. Silent deviations shall not be accepted.

Equivalent or superior specifications may be considered provided they meet or exceed the minimum requirements specified in this RFP.

17. Acceptance Criteria

Final acceptance of the supplied simulator software shall be subject to successful installation, licence verification, configuration and demonstration of the complete system.

Acceptance shall include verification of compatibility with the designated workstations, successful activation of all 10 licences, flight-controller/radio-transmitter connectivity, proper operation of flight controls and flight modes, demonstration of training environments and scenarios, and successful completion of the simulator performance test.

The Department reserves the right to verify the software specifications and licence authenticity with the respective OEM/software publisher.

Any software or licence found not meeting the specifications quoted in the bid shall be rectified or replaced by the bidder at no additional cost to Kerala Police.

18. General Conditions

All software licences shall be genuine, current and legally authorised. The bidder shall be responsible for supply, installation, configuration, commissioning, testing and demonstration of the complete simulator software.

The Department reserves the right to inspect and test the software before acceptance and to verify the offered specifications from the respective OEM/software publisher.

The Department reserves the right to accept or reject any bid in accordance with the applicable procurement rules.

All software, licences, documentation and support shall be provided as part of the proposed solution in accordance with the requirements of this RFP.

19. Delivery, Inspection, Acceptance And Replacement

1. Delivery Period

The successful bidder shall supply and deliver all items specified in the tender, along with all required accessories, batteries, chargers, spares, software, documentation and other items specified in the Schedule of Requirements, within **45 days** from the date of issue of the Supply Order/Letter of Acceptance.

2. Delivery Location

Delivery shall be made to the location(s) specified by the Procuring Authority within Kerala, at the supplier's own risk and cost. The supplier shall be responsible for the safe transportation, unloading, handling and delivery of all items at the designated location(s).

3. Complete Delivery

Delivery shall be considered complete only upon delivery of all items, accessories, components and associated requirements specified in the tender and their subsequent inspection, testing and acceptance by the Procuring Authority.

Mere physical delivery of the principal items without the required accessories, batteries, chargers, spares, software/firmware, documentation or other specified components shall **not** be treated as complete delivery.

4. Inspection, Testing and Acceptance

All supplied items shall be subject to inspection, verification and acceptance testing by the Purchase/Inspection Committee or any other committee/authority designated by the Procuring Authority.

The Procuring Authority shall have the right to verify, among other things:

- Quantity and completeness of supply;
- Make, model and serial number;
- Compliance with the prescribed technical specifications;
- Accessories, batteries, chargers, spares and other components;
- Software/firmware and associated documentation;
- Workmanship and physical condition; and
- Functional and performance requirements specified in the tender.

Acceptance shall be accorded only after satisfactory completion of the required inspection, testing and demonstration, wherever applicable.

5. Defective, Damaged or Non-Conforming Items

Any item found to be defective, damaged, incomplete or not conforming to the prescribed technical specifications or tender requirements during inspection, testing or within the applicable warranty period shall be replaced or rectified by the supplier at no additional cost to the Procuring Authority.

Such replacement or rectification shall be completed within **15 days** from the date of intimation by the Procuring Authority, or within such other period as may be specified by the Procuring Authority based on the nature of the defect or non-conformity.

II. RFP -2 Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment

1. Introduction

Kerala Police invites sealed/electronic bids from eligible and experienced Original Equipment Manufacturers (OEMs), authorised dealers, distributors, system integrators or authorised suppliers for the Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment for the proposed In-house Drone Training and Technical Facility.

The proposed facility is intended to provide hands-on technical training in drone assembly, repair, maintenance, troubleshooting, electrical diagnostics, propulsion-system testing, component replacement and basic drone-related technical activities to designated personnel of Kerala Police.

The supplied equipment shall be suitable for repeated institutional training and laboratory use and shall be supplied as a complete, ready-to-use setup along with all necessary accessories, batteries, tools, diagnostic instruments and supporting items specified in this RFP.

2. Scope of Supply

The successful bidder shall supply, deliver, demonstrate and commission the following equipment:

- 20 Nos. Complete Quadcopter Drone Training/Repair Kits
- 20 Nos. rechargeable batteries of 3000–3500 mAh capacity, compatible with the supplied drone training kits
- 5 Nos. Complete Drone Repair and Maintenance Tool Sets

- Suitable battery charging equipment for the supplied batteries
- All required cables, connectors, adapters and accessories
- Necessary consumables specified under the repair and maintenance modules
- Installation, assembly and functional demonstration
- Basic technical training for designated personnel
- User manuals and technical documentation
- Warranty and after-sales technical support

The bidder shall ensure that all supplied components are compatible with each other and are suitable for the intended drone repair and technical training applications.

3. Drone Training and Repair Kit

The bidder shall supply 20 Nos. complete quadcopter drone training/repair kits suitable for hands-on technical training in drone assembly, maintenance, troubleshooting, component replacement and basic repair.

The drone training platform shall be suitable for repeated assembly and disassembly and shall provide access to the major components required for technical familiarisation and maintenance.

The supplied training kit shall include, as applicable to the offered configuration:

- Quadcopter frame and structural components.
- Flight controller suitable for training and configuration.
- Electronic Speed Controllers (ESCs).
- Brushless motors and associated propulsion components.
- Propellers and mounting accessories.
- Power distribution/power management components.
- Required wiring and connectors.
- Suitable radio receiver and transmitter/control interface.
- GPS/navigation module, where supported by the offered configuration.
- Buzzer/indicator and other basic safety/identification components.
- Mounting hardware, screws and fasteners.
- Other components required for complete assembly and operation of the training drone.

The kit shall be suitable for practical training involving assembly, disassembly, component identification, wiring, fault identification, replacement of components and basic maintenance.

4. Battery and Charging System

Each drone training kit shall be supplied with one rechargeable battery having a capacity in the range of 3000–3500 mAh.

The battery shall be fully compatible with the supplied drone training platform and shall have the appropriate voltage, discharge rating and connector required for safe and reliable operation.

The bidder shall clearly specify the following details of the offered battery:

- Battery chemistry.
- Nominal voltage.
- Capacity.
- Discharge rating, where applicable.
- Connector type.
- Charging requirements.

Suitable charging equipment compatible with the supplied batteries shall also be provided.

The charger shall support safe charging of the supplied batteries and balance charging wherever applicable to the battery type.

5. Drone Repair and Maintenance Tool Sets

The bidder shall supply 5 Nos. complete Drone Repair and Maintenance Tool Sets.

Each tool set shall be suitable for routine drone servicing, component replacement, electrical diagnostics, field-level repair, troubleshooting and technical training.

Each set shall include the following functional modules.

5.1 Mechanical Service Module

The mechanical service module shall include a quality precision multi-bit screwdriver kit suitable for small electronic and drone components.

The set shall include dedicated:

- 1.5 mm hex driver
- 2 mm hex driver
- 2.5 mm hex driver
- 3 mm hex driver

The module shall also include:

- Needle-nose pliers
- Flush cutter
- Fine wire stripper
- Straight tweezers
- Curved tweezers

- Plastic spudgers/opening picks

The tools shall be suitable for repeated professional/institutional use for drone assembly, disassembly and maintenance.

5.2 Electrical Diagnostic Module

Each tool set shall include suitable electrical diagnostic instruments for testing drone batteries, power systems, wiring and electronic components.

The module shall include:

- Digital multimeter
- Fine needle probes
- LiPo cell checker
- Power meter
- USB-A/USB-C power meter
- IR thermometer
- Smart smoke stopper/current limiter

The instruments shall be suitable for basic electrical fault identification and measurement during drone maintenance and repair activities.

5.3 Field Electrical Repair Module

The field electrical repair module shall provide the essential equipment and consumables required for electrical and wiring repair.

Each set shall include:

- Temperature-controlled soldering iron
- Suitable solder
- Flux
- Desoldering wick
- Heat-shrink kit
- Assorted repair wire kit

The soldering equipment shall be suitable for precision electronic repair and maintenance of drone components and wiring.

5.4 Propulsion Diagnostic Module

The tool set shall include suitable equipment for basic testing and troubleshooting of drone propulsion and control components.

A servo tester shall be included in each tool set.

Components already included in the drone training kit or other modules need not be duplicated where they adequately perform the required function.

5.5 Log and Data Extraction Module

Each repair and maintenance tool set shall include suitable accessories for extracting and transferring flight-controller, drone and related digital data.

The module shall include:

- Good-quality USB-A/USB-C SD/microSD card reader
- Known-good USB data cables
- OTG adapter, where required

The supplied accessories shall support routine data extraction, configuration and maintenance activities associated with the supplied drone training kits.

6. Quantity of Equipment

The required quantity under this RFP shall be as follows:

Sl. No.	Item	Quantity
1	Complete Quadcopter Drone Training/Repair Kit	20 Nos.
2	Rechargeable Battery, 3000–3500 mAh, compatible with supplied drone kit	20 Nos.
3	Complete Drone Repair & Maintenance Tool Set	5 Nos.

Each complete repair and maintenance tool set shall contain all the modules and tools specified under this RFP.

7. Installation, Assembly and Commissioning

The successful bidder shall deliver all equipment to the designated location of Kerala Police and shall undertake necessary assembly, inspection and commissioning.

The bidder shall demonstrate the complete operation of the supplied drone training kits and repair equipment to the designated personnel.

The demonstration shall include, as applicable:

- Assembly and disassembly of the training drone.
- Identification of major drone components.
- Battery installation and charging.
- Basic electrical testing.

- Propulsion-system testing.
- Basic wiring and soldering repair.
- Use of electrical diagnostic instruments.
- Basic flight-controller/data connection.
- Data extraction using the supplied accessories.
- Safe handling and maintenance procedures.

The equipment shall be considered commissioned only after successful demonstration and verification by the Department.

8. Training

The successful bidder shall provide practical technical orientation/training to designated police personnel.

The training shall cover:

- Identification of drone components.
- Drone assembly and disassembly.
- Basic preventive maintenance.
- Electrical fault diagnosis.
- Battery testing and safe handling.
- Propulsion-system troubleshooting.
- Soldering and wiring repair.
- Use of multimeter and other diagnostic equipment.
- Basic flight-controller/data connection.
- Data extraction using the supplied accessories.
- Safe use and storage of tools and batteries.

The training shall be conducted at the designated location of Kerala Police.

9. Safety Requirements

The bidder shall provide suitable safety instructions for handling rechargeable batteries, electrical components, soldering equipment and other repair tools.

The supplied battery charging system shall be suitable for safe charging of the supplied batteries.

The bidder shall provide necessary instructions regarding:

- Battery charging.
- Battery storage.
- Battery transportation.
- Battery inspection.

- Safe handling of electrical components.
- Safe operation of soldering equipment.

All safety-related instructions shall be provided to the designated personnel during training.

10. Quality Requirements

All supplied equipment shall be new, unused and of current production.

Refurbished, reconditioned or used equipment shall not be accepted.

The supplied drone training kits shall be complete and suitable for repeated training and maintenance activities.

The repair tools shall be of suitable quality for institutional/workshop use.

All electrical and electronic instruments shall be supplied with the necessary accessories, probes, cables and connectors required for their intended operation.

The bidder shall ensure compatibility between the drone training kits, batteries, chargers and associated components.

11. Warranty and Technical Support

The bidder shall provide a minimum 3-year comprehensive warranty for the supplied equipment, wherever applicable.

The warranty shall cover manufacturing defects and failures occurring under normal operating and usage conditions.

The bidder shall provide technical assistance during the warranty period for defects or operational issues related to the supplied equipment.

Defective equipment or components covered under warranty shall be repaired or replaced by the bidder without additional cost to the Department.

The bidder shall provide details of its authorised service/support arrangements and contact details.

12. Inspection and Acceptance

The supplied equipment shall be subject to inspection and verification by Kerala Police.

Acceptance shall be based on successful:

- Verification of quantity.
- Physical inspection of all supplied equipment.
- Verification of technical specifications.
- Verification of drone kit components.
- Verification of 3000–3500 mAh battery capacity and compatibility.
- Verification of charger compatibility.
- Functional demonstration of the drone training kits.
- Verification of repair and maintenance tools.
- Demonstration of electrical diagnostic instruments.
- Demonstration of soldering/repair equipment.
- Verification of data extraction accessories.
- Submission of required documentation.

Any item found not conforming to the specifications quoted in the bid may be rejected and shall be replaced by the bidder at no additional cost to the Department.

13. Bidder Eligibility

The bidder shall be an OEM, authorised dealer, distributor, system integrator or authorised supplier capable of supplying the proposed equipment.

The bidder shall have valid registration under applicable Indian laws and shall possess valid GST registration.

The bidder shall have adequate capability to provide supply, installation, demonstration and technical support for the offered equipment.

Preference may be given to bidders having previous experience in supplying drone-related equipment, electronics laboratory equipment, technical training equipment or similar equipment to Government Departments, Police, Defence, PSUs or educational/training institutions.

The bidder shall provide OEM authorisation wherever applicable.

The bidder shall not be blacklisted or debarred by any Government organisation, as applicable under prevailing procurement rules.

15. Compliance Statement

The bidder shall submit a point-by-point compliance statement against all technical and functional requirements specified in this RFP.

Any deviation from the minimum requirements shall be clearly indicated in the bid.

Silent deviations shall not be accepted.

Equivalent or superior specifications may be considered, provided the offered equipment meets or exceeds the stated minimum functional requirements and remains suitable for the intended drone repair, maintenance and technical training applications.

16. General Conditions

All equipment shall be supplied as a complete and operational system.

The bidder shall be responsible for transportation, delivery, installation, demonstration and commissioning of the supplied equipment.

All supplied electronic and electrical products shall be genuine and sourced through authorised channels.

The Department reserves the right to verify the specifications and authenticity of the offered equipment from the respective OEM/manufacturer.

The Department reserves the right to inspect and test the equipment before acceptance.

The bidder shall be responsible for ensuring that all accessories required for the normal operation and intended training use of the supplied equipment are included in the quoted price.

The Department reserves the right to accept or reject any bid in accordance with applicable procurement rules.

Note: The specifications stated in this RFP represent the minimum functional and technical requirements for the proposed Drone Repair, Maintenance and Technical Training Lab. The bidder may offer equipment with equivalent or superior specifications, subject to compatibility with the intended training and maintenance requirements.

17. Delivery, Inspection, Acceptance And Replacement

1. Delivery Period

The successful bidder shall supply and deliver all items specified in the tender, along with all required accessories, batteries, chargers, spares, software, documentation and other items specified in the Schedule of Requirements, within **45 days** from the date of issue of the Supply Order/Letter of Acceptance.

2. Delivery Location

Delivery shall be made to the location(s) specified by the Procuring Authority within Kerala, at the supplier's own risk and cost. The supplier shall be responsible for the safe transportation, unloading, handling and delivery of all items at the designated location(s).

3. Complete Delivery

Delivery shall be considered complete only upon delivery of all items, accessories, components and associated requirements specified in the tender and their subsequent inspection, testing and acceptance by the Procuring Authority.

Mere physical delivery of the principal items without the required accessories, batteries, chargers, spares, software/firmware, documentation or other specified components shall **not** be treated as complete delivery.

4. Inspection, Testing and Acceptance

All supplied items shall be subject to inspection, verification and acceptance testing by the Purchase/Inspection Committee or any other committee/authority designated by the Procuring Authority.

The Procuring Authority shall have the right to verify, among other things:

- Quantity and completeness of supply;
- Make, model and serial number;
- Compliance with the prescribed technical specifications;
- Accessories, batteries, chargers, spares and other components;
- Software/firmware and associated documentation;
- Workmanship and physical condition; and
- Functional and performance requirements specified in the tender.

Acceptance shall be accorded only after satisfactory completion of the required inspection, testing and demonstration, wherever applicable.

5. Defective, Damaged or Non-Conforming Items

Any item found to be defective, damaged, incomplete or not conforming to the prescribed technical specifications or tender requirements during inspection, testing or within the applicable warranty period shall be replaced or rectified by the supplier at no additional cost to the Procuring Authority.

Such replacement or rectification shall be completed within **15 days** from the date of intimation by the Procuring Authority, or within such other period as may be specified by the Procuring Authority based on the nature of the defect or non-conformity.

Payment schedule – Payment will be released only after the successful completion of supply, installation, configuration and Commissioning.

Execution of SLA

Successful bidder should execute a service level agreement format available at the Office of IGP Cyber Operations, Pattom Thiruvananthapuram. Cost of stamp paper for SLA is one rupee for every rupee 1000 or part thereof on the amount agreed in the contract, subject to a minimum of rupees 200 and a maximum of rupees one lakh.

Financial Bid

The bidder shall ensure that all proposed drones and other associated requirements shall be clearly identified and quoted in the Commercial Bid/BOQ, wherever applicable.

Contact for Clarifications

For any clarifications regarding this tender, bidders may contact the Cyber Operations Wing, Kerala Police: Email: drone.pol@kerala.gov.in

Mobile No. 09446227242

All queries should be sent well in advance of the bid submission deadline to ensure a response in time.

NOTE: - BIDDERS ARE ADVISED TO GO THROUGH THE CONDITIONS IN THE REQUEST FOR PROPOSAL AND THE TENDER DOCUMENT CAREFULLY AND COMPLY WITH THEM TO AVOID OUTRIGHT REJECTION OF THEIR TENDER.

Bidders are requested to make online payment of EMD and tender fee before 72 hours in advance of last date.

For any litigation relating to this order, the jurisdiction will be Thiruvananthapuram City.

Sd/-

Assistant Inspector General of Police, Procurement

For DIRECTOR GENERAL OF POLICE

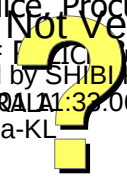
STATE POLICE, KERALA

Date: 2026.09.11 13:06 IST

Location: Kerala-KL

Signature Not Verified

Digitally signed by SHIBIK





**Kerala
Tenders**

eTendering System Government of Kerala

Tender Details

Date : 01-Sep-2026 11:50 AM

Print

Basic Details

Organisation Chain	Kerala Police Police Headquarters		
Tender Reference Number	KPET/34/2026/PHQ		
Tender ID	2026_KP_867006_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Item Rate
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Online Bankers	S.No	Bank Name
	1	SBI MOPS

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Scanned copy of agreemetrn executed on Kerala Stamp paper Rs. 200 duly signed and sealed in all pages
		.pdf	Scanned copy of Tender Document duly signed and sealed in all pages
		.pdf	Brochures of the item quoted and conditions of supply of any
		.pdf	Copies of other documents required in the Request for Proposal
2	Finance	.xls	Financial Bid

Other Important Documents

S.No	Category	Sub Category	Sub Category Description	Format/File
1	Certificate Details	Permanent Account Number	Permanent Account Number	
2	Certificate Details	Registration Certificate	Registration Certificate	
3	Certificate Details	Bidders Address Format	Bidders Address Format	
4	Certificate Details	Income Tax Certificate	Income Tax Certificate	
5	Certificate Details	Power of Attorney	Power of Attorney	
6	Certificate Details	Affidavit regarding correctness of bid	Required in tender document in bidder file 1	
7	Certificate Details	Affidavit regarding No Near Relative working in department	Affidavit regarding No Near Relative working in department	
8	Certificate Details	Excise registration Number	Excise registration Number	
9	Certificate Details	Service tax registration No	Service tax registration No	
10	Certificate Details	GST Certificate	GST Certificate	
11	Financial Details	Bankers Details	Bankers Details	
12	Financial Details	Annual Turn over certificates from CA	Annual Turn over certificates from CA	
13	Financial Details	B23. P/L and Balance Sheet 2022-2023	P/L and Balance Sheet 2022-2023	

14	Financial Details	B24 P/L and Balance Sheet 2023-2024	P/L and Balance Sheet 2023-2024	
15	Financial Details	B25. P/L and Balance Sheet 2024-2025	P/L and Balance Sheet 2024-2025	
16	Miscellaneous	Work Completed Certificate Copies	Work Completed Certificate Copies	
17	Miscellaneous	Company profile	Company profile	
18	Work Details	Works Completed Details	Works Completed Details	

Tender Fee Details, [Total Fee in ₹ * - 3,267]				EMD Fee Details			
Tender Fee in ₹	2,500			EMD Amount in ₹	13,400	EMD Exemption Allowed	Yes
Processing Fee in ₹ (18.00% GST Incl.)	767			EMD Fee Type	fixed	EMD Percentage	NA
Fee Payable To	Nil	Fee Payable At	Nil	EMD Payable To	Nil	EMD Payable At	Nil
Tender Fee Exemption Allowed	Yes						

[Click to view modification history](#)

Work / Item(s)					
Title	Training Support Accessories DGCA Certified Remote Pilot Training				
Work Description	Training Support Accessories DGCA Certified Remote Pilot Training				
Pre Qualification Details	Refer Request for Proposal and Scope of work				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	13,40,000	Product Category	Equipments	Sub category	Training Support Accessories
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work(Days)	45
Location	Thriuvananthapuram	Pincode	695010	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Police Headquarters Thiruvananthapuram
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	01-Sep-2026 02:00 PM	Bid Opening Date	15-Sep-2026 03:00 PM
Document Download / Sale Start Date	01-Sep-2026 02:00 PM	Document Download / Sale End Date	14-Sep-2026 12:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	01-Sep-2026 02:00 PM	Bid Submission End Date	14-Sep-2026 12:00 PM

Tender Documents				
NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Request For Proposal	363.94
Work Item Documents	S.No	Document Type	Document Name	Description
				Document Size (in KB)
	1	Tender Documents	Generalconditions.pdf	Tender Document, General Conditions, format for agreement etc
	2	Other Document	Scopeofwork.pdf	Scope of Work
	3	BOQ	BOQ_1467952.xls	Financial Bid

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sekharpramod@gmail.com	PRAMOD S	PRAMOD S
2.	sastha@gmail.com	SASTHA RAJ R	SASTHA RAJ R

3.	shibikshibi0@gmail.com	SHIBI K	SHIBI K
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Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	2
BoQ Comparative Chart Rank Type	H	Form Based BoQ	No

Tender Inviting Authority

Name	DGP and State Police Chief Keralam
Address	Police Headqaurters Vazhuthacaud Thiruvananthapuram Kerlam

Tender Creator Details

Created By	SHIBI K
Designation	Senior Superintendent
Created Date	01-Sep-2026 11:40 AM

Scope of Training Support Accessories

REQUEST FOR PROPOSAL (RFP) FOR TRAINING SUPPORT ACCESSORIES DGCA-CERTIFIED REMOTE PILOT TRAINING

I. RFP-1 Supply, Installation, Configuration and Commissioning of Drone Flight Simulator Software and Licences – 10 Nos.

1. Introduction

Kerala Police invites sealed/electronic proposals from eligible and experienced Original Equipment Manufacturers (OEMs), authorised distributors, authorised dealers, system integrators or authorised resellers for the supply, installation, configuration, testing and commissioning of Drone Flight Simulator Software and Licences – 10 Nos.

The proposed software shall be used as part of the In-house Training Centre for DGCA-Certified Drone Pilot Training of Kerala Police. The simulator shall provide a realistic and interactive virtual training environment for drone pilot trainees for developing flight-control skills, operational familiarisation, mission planning, emergency handling and scenario-based training.

The offered simulator software shall be compatible with the computer workstations and suitable flight-controller/radio-transmitter equipment proposed for the training facility. The complete solution shall be supplied with genuine and valid licences, installation, configuration, demonstration, training, documentation and technical support.

2. Scope of Work

The scope of work shall include the supply, installation, configuration, testing and commissioning of 10 Nos. licensed professional Drone Flight Simulator Software at the designated Kerala Police training facility.

The successful bidder shall install and activate the software on the designated simulator workstations and configure the simulator for optimum performance with the supplied computer systems, graphics processing units, monitors and flight-controller/radio-transmitter equipment.

The bidder shall configure the required flight controls, simulation parameters, training environments and scenarios and shall ensure that the complete system is ready for operational training.

The scope shall also include demonstration of the simulator, basic operational training to designated personnel, provision of user and technical documentation, licence certificates, software updates and technical support during the applicable support period.

All software, drivers, utilities and other components necessary for the normal operation of the supplied simulator shall be included within the bidder's scope wherever required.

3. Purpose and Training Application

The simulator software shall primarily be used for drone pilot training and skill development and shall provide a realistic simulation environment corresponding to practical drone operations.

The system shall be suitable for:

- Basic drone familiarisation and flight-control training.
- Take-off, landing and hovering exercises.
- Manual and assisted flight training.
- Orientation and directional flight exercises.
- Altitude and speed control.
- GPS-assisted and autonomous flight training.
- Waypoint and mission-planning exercises.
- Return-to-Home training.
- Emergency and abnormal flight-condition training.
- Day and night flight training.
- Weather and environmental-condition simulation.
- Indoor and outdoor flight scenarios.
- Camera and payload operation familiarisation, where supported.
- FPV and conventional drone flight simulation, where applicable.
- Scenario-based operational training.
- Flight recording and performance review, wherever supported by the software.

The simulator shall be suitable for instructor-led as well as individual trainee practice.

4. Technical Specifications

The offered Drone Flight Simulator Software shall meet or exceed the following minimum technical requirements:

Sl. No.	Parameter	Minimum Specification
1	Software Type	Professional Drone/UAV Flight Simulation Software suitable for pilot training
2	Licence Quantity	10 Nos. valid licences
3	Training Application	Drone pilot training, flight familiarisation, skill development and operational scenario training
4	Flight Simulation	Realistic physics-based drone flight simulation
5	Drone Support	Support for multiple types/classes of multirotor drones and UAV platforms
6	Flight Modes	Manual, Assisted, GPS/Position Hold, Altitude Hold, Return-to-Home and applicable flight modes
7	Training Environment	Indoor and outdoor simulated flight environments
8	Terrain	Realistic 3D terrain and environmental rendering
9	Weather Simulation	Wind, rain and applicable environmental conditions
10	Day/Night Simulation	Day, night and variable lighting conditions
11	Mission Training	Waypoint-based and mission-oriented flight training
12	Emergency Training	Simulated emergency and abnormal flight situations
13	Navigation Training	GPS-based navigation and simulated navigation scenarios
14	Camera/Payload Simulation	Simulation of drone camera/payload operation, where supported
15	FPV Training	FPV and/or conventional drone flight simulation, where applicable
16	Controller Compatibility	USB-connected drone radio transmitters, flight controllers, joysticks and standard simulator controllers
17	Peripheral Support	Support for simultaneous connection of required USB training peripherals
18	Training Scenarios	Multiple pre-configured training scenarios
19	Scenario Configuration	Provision for configuration of flight parameters and training conditions
20	Flight Recording	Recording and playback of simulated flights, where supported
21	Flight Parameters	Display of applicable altitude, speed, position, heading, battery and other flight parameters
22	Training Assessment	Facility for monitoring/evaluation of trainee flight performance, where supported
23	Graphics	Real-time 3D graphics suitable for professional flight simulation
24	Display Support	Full HD or higher display resolution
25	Audio	Suitable environmental and simulator audio
26	Operating Platform	Windows 11 Professional 64-bit or compatible supported version

27	Hardware Compatibility	Compatible with the supplied simulator workstation and GPU configuration
28	Offline Operation	Support for simulator operation without continuous internet connectivity after licence activation, wherever technically applicable
29	Software Updates	Software updates and applicable bug/security fixes during the support period
30	User Profiles	Individual trainee/user profile or equivalent facility
31	Training Management	Suitable for institutional/classroom-based drone pilot training
32	User Interface	User-friendly graphical interface suitable for trainees and instructors
33	Licence Management	Genuine OEM/software publisher licence with activation details
34	Technical Support	OEM/vendor technical support for installation, configuration and troubleshooting
35	Support Period	Minimum 3 years comprehensive software support and updates

Note: Equivalent or superior specifications shall be acceptable, provided the offered software meets or exceeds the minimum functional and performance requirements specified above.

5. Flight Controller and Radio Transmitter Integration

The simulator shall support connection of suitable drone radio transmitters, flight controllers, joysticks or simulator controllers through USB or other standard interfaces.

The bidder shall configure and demonstrate the controller inputs required for drone flight training, including throttle, yaw, pitch, roll, flight-mode controls and other applicable auxiliary controls.

The software shall be capable of working simultaneously with the supplied simulator workstation, display, radio transmitter/flight controller and other approved training peripherals.

The bidder shall clearly specify the supported controller interfaces, protocols and compatible equipment in the technical offer.

6. Training Environment and Scenario Requirements

The simulator shall provide realistic and configurable virtual environments for training purposes. The training environment should support different terrain and operational

conditions and shall permit trainees to practise normal as well as abnormal flight situations.

The software should provide suitable scenarios for:

- Take-off and landing.
- Hovering and controlled movement.
- Navigation and orientation.
- Waypoint missions.
- Autonomous flight.
- Return-to-Home.
- Wind and adverse weather conditions.
- Day and night operations.
- Obstacle-related flight exercises.
- Emergency landing and abnormal flight situations.
- Camera/payload operation.
- FPV operations, where applicable.
- Operational and mission-oriented scenarios.

Provision for adding or configuring additional training scenarios shall be clearly specified by the bidder.

7. Trainee and Instructor Features

The simulator shall be suitable for use by multiple trainees in an institutional training environment.

The software should provide facilities for creating trainee profiles, selecting training scenarios, recording flight sessions and reviewing trainee performance.

Where supported by the offered software, the system should provide flight replay, performance assessment, training records and instructor monitoring facilities.

The bidder shall demonstrate the available trainee and instructor features during commissioning.

8. Installation, Configuration and Commissioning

The successful bidder shall undertake complete installation and commissioning of the software on 10 Nos. designated simulator workstations.

The bidder shall carry out software installation, licence activation, graphics configuration, controller configuration and optimisation of simulator settings.

The bidder shall ensure that the simulator operates smoothly with the supplied workstation configuration and that the required flight-controller/radio-transmitter interfaces are properly configured.

The bidder shall conduct complete functional testing and demonstrate the operational readiness of each simulator system before final acceptance.

9. Performance Requirements

The simulator software shall be capable of stable operation during extended training sessions.

During commissioning, the bidder shall demonstrate:

- Stable operation of the simulator.
- Proper 3D rendering and graphics performance.
- Correct operation of flight controls.
- Successful operation of different flight modes.
- Proper functioning of training environments.
- Operation of weather and environmental simulation features, where provided.
- Successful connection of the flight controller/radio transmitter.
- Proper operation of the supplied display.
- Recording/replay functionality, where supported.
- Stable operation during an extended continuous training session.

The simulator shall not exhibit abnormal crashes, instability or thermal-related software/system issues during the acceptance test.

10. Software Licensing

The bidder shall provide 10 Nos. genuine, valid and legally authorised licences.

The bidder shall clearly specify the licence type, validity, permitted number of installations/users, activation procedure, update entitlement and technical support entitlement.

All licence certificates, activation details and relevant documentation shall be handed over to Kerala Police at the time of commissioning.

Any subscription, cloud service, recurring payment or additional mandatory licence required for operation shall be clearly declared in the bid.

There shall be no undisclosed recurring cost or mandatory additional software requirement for the basic functionality specified in this RFP.

11. Cybersecurity and Software Integrity

Since the simulator systems are intended for use by Kerala Police, all software supplied shall be genuine, properly licensed and obtained through authorised sources.

The bidder shall not install any unauthorised, pirated or unnecessary third-party software.

The bidder shall disclose any cloud connectivity, telemetry, online authentication or external service required by the simulator.

The simulator shall, wherever technically applicable, support operation within a secure or isolated organisational network without requiring continuous external internet connectivity for basic simulation functions.

12. Training and Demonstration

The successful bidder shall provide basic operational training to designated Kerala Police personnel.

Training shall cover operation of the simulator, software configuration, licence management, flight-controller/radio-transmitter configuration, selection of training scenarios, graphics settings, basic troubleshooting and software update procedures.

The bidder shall conduct a complete practical demonstration before final acceptance.

13. Documentation

The successful bidder shall provide all necessary documentation, including:

- OEM/software publisher datasheet.
- User manual.
- Administrator/configuration manual, where applicable.
- Licence certificate and activation details.
- Software version details.
- Supported controller and hardware list.
- Installation and configuration report.
- Testing and commissioning report.
- Warranty/support certificate.
- Technical support contact details.
- Software update procedure.
- Relevant system administration documentation.

14. Warranty and Technical Support

The bidder shall provide a minimum three (3) years comprehensive software support and technical assistance from the date of successful commissioning.

The support shall include software troubleshooting, licence-related assistance, installation/reinstallation support, configuration assistance, software updates and applicable bug fixes.

The bidder shall provide technical assistance for compatibility and integration with the supplied simulator workstations and flight-controller/radio-transmitter equipment.

The bidder shall clearly specify the support mechanism, service response time, escalation procedure and contact details of the authorised support personnel.

15. Bidder Eligibility

The bidder shall preferably be an OEM/software publisher, authorised distributor, authorised dealer, system integrator or authorised reseller of the proposed simulator software.

The bidder shall have valid registration under applicable Indian laws and valid GST registration and shall be capable of providing genuine software licences and technical support.

Experience in supplying and commissioning professional drone/UAV simulation software to Government Departments, Police, Defence, PSUs, educational institutions or other public-sector organisations may be considered as an added qualification.

The bidder shall have an established technical support mechanism within India.

16. Technical Compliance Statement

The bidder shall submit a point-by-point compliance statement against the technical specifications given in this RFP.

The bidder shall clearly mention the offered specification and indicate whether each requirement is complied with.

Any deviation shall be specifically mentioned in the compliance statement. Silent deviations shall not be accepted.

Equivalent or superior specifications may be considered provided they meet or exceed the minimum requirements specified in this RFP.

17. Acceptance Criteria

Final acceptance of the supplied simulator software shall be subject to successful installation, licence verification, configuration and demonstration of the complete system.

Acceptance shall include verification of compatibility with the designated workstations, successful activation of all 10 licences, flight-controller/radio-transmitter connectivity, proper operation of flight controls and flight modes, demonstration of training environments and scenarios, and successful completion of the simulator performance test.

The Department reserves the right to verify the software specifications and licence authenticity with the respective OEM/software publisher.

Any software or licence found not meeting the specifications quoted in the bid shall be rectified or replaced by the bidder at no additional cost to Kerala Police.

18. General Conditions

All software licences shall be genuine, current and legally authorised. The bidder shall be responsible for supply, installation, configuration, commissioning, testing and demonstration of the complete simulator software.

The Department reserves the right to inspect and test the software before acceptance and to verify the offered specifications from the respective OEM/software publisher.

The Department reserves the right to accept or reject any bid in accordance with the applicable procurement rules.

All software, licences, documentation and support shall be provided as part of the proposed solution in accordance with the requirements of this RFP.

19. Delivery, Inspection, Acceptance And Replacement

1. Delivery Period

The successful bidder shall supply and deliver all items specified in the tender, along with all required accessories, batteries, chargers, spares, software, documentation and other items specified in the Schedule of Requirements, within **45 days** from the date of issue of the Supply Order/Letter of Acceptance.

2. Delivery Location

Delivery shall be made to the location(s) specified by the Procuring Authority within Kerala, at the supplier's own risk and cost. The supplier shall be responsible for the safe transportation, unloading, handling and delivery of all items at the designated location(s).

3. Complete Delivery

Delivery shall be considered complete only upon delivery of all items, accessories, components and associated requirements specified in the tender and their subsequent inspection, testing and acceptance by the Procuring Authority.

Mere physical delivery of the principal items without the required accessories, batteries, chargers, spares, software/firmware, documentation or other specified components shall **not** be treated as complete delivery.

4. Inspection, Testing and Acceptance

All supplied items shall be subject to inspection, verification and acceptance testing by the Purchase/Inspection Committee or any other committee/authority designated by the Procuring Authority.

The Procuring Authority shall have the right to verify, among other things:

- Quantity and completeness of supply;
- Make, model and serial number;
- Compliance with the prescribed technical specifications;
- Accessories, batteries, chargers, spares and other components;
- Software/firmware and associated documentation;
- Workmanship and physical condition; and
- Functional and performance requirements specified in the tender.

Acceptance shall be accorded only after satisfactory completion of the required inspection, testing and demonstration, wherever applicable.

5. Defective, Damaged or Non-Conforming Items

Any item found to be defective, damaged, incomplete or not conforming to the prescribed technical specifications or tender requirements during inspection, testing or within the applicable warranty period shall be replaced or rectified by the supplier at no additional cost to the Procuring Authority.

Such replacement or rectification shall be completed within **15 days** from the date of intimation by the Procuring Authority, or within such other period as may be specified by the Procuring Authority based on the nature of the defect or non-conformity.

II. RFP -2 Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment

1. Introduction

Kerala Police invites sealed/electronic bids from eligible and experienced Original Equipment Manufacturers (OEMs), authorised dealers, distributors, system integrators or authorised suppliers for the Supply, Installation, Configuration and Commissioning of Drone Repair, Maintenance and Technical Training Lab Equipment for the proposed In-house Drone Training and Technical Facility.

The proposed facility is intended to provide hands-on technical training in drone assembly, repair, maintenance, troubleshooting, electrical diagnostics, propulsion-system testing, component replacement and basic drone-related technical activities to designated personnel of Kerala Police.

The supplied equipment shall be suitable for repeated institutional training and laboratory use and shall be supplied as a complete, ready-to-use setup along with all necessary accessories, batteries, tools, diagnostic instruments and supporting items specified in this RFP.

2. Scope of Supply

The successful bidder shall supply, deliver, demonstrate and commission the following equipment:

- 20 Nos. Complete Quadcopter Drone Training/Repair Kits
- 20 Nos. rechargeable batteries of 3000–3500 mAh capacity, compatible with the supplied drone training kits
- 5 Nos. Complete Drone Repair and Maintenance Tool Sets
- Suitable battery charging equipment for the supplied batteries
- All required cables, connectors, adapters and accessories
- Necessary consumables specified under the repair and maintenance modules
- Installation, assembly and functional demonstration
- Basic technical training for designated personnel
- User manuals and technical documentation
- Warranty and after-sales technical support

The bidder shall ensure that all supplied components are compatible with each other and are suitable for the intended drone repair and technical training applications.

3. Drone Training and Repair Kit

The bidder shall supply 20 Nos. complete quadcopter drone training/repair kits suitable for hands-on technical training in drone assembly, maintenance, troubleshooting, component replacement and basic repair.

The drone training platform shall be suitable for repeated assembly and disassembly and shall provide access to the major components required for technical familiarisation and maintenance.

The supplied training kit shall include, as applicable to the offered configuration:

- Quadcopter frame and structural components.
- Flight controller suitable for training and configuration.
- Electronic Speed Controllers (ESCs).
- Brushless motors and associated propulsion components.
- Propellers and mounting accessories.
- Power distribution/power management components.
- Required wiring and connectors.
- Suitable radio receiver and transmitter/control interface.
- GPS/navigation module, where supported by the offered configuration.
- Buzzer/indicator and other basic safety/identification components.
- Mounting hardware, screws and fasteners.
- Other components required for complete assembly and operation of the training drone.

The kit shall be suitable for practical training involving assembly, disassembly, component identification, wiring, fault identification, replacement of components and basic maintenance.

4. Battery and Charging System

Each drone training kit shall be supplied with one rechargeable battery having a capacity in the range of 3000–3500 mAh.

The battery shall be fully compatible with the supplied drone training platform and shall have the appropriate voltage, discharge rating and connector required for safe and reliable operation.

The bidder shall clearly specify the following details of the offered battery:

- Battery chemistry.
- Nominal voltage.

- Capacity.
- Discharge rating, where applicable.
- Connector type.
- Charging requirements.

Suitable charging equipment compatible with the supplied batteries shall also be provided.

The charger shall support safe charging of the supplied batteries and balance charging wherever applicable to the battery type.

5. Drone Repair and Maintenance Tool Sets

The bidder shall supply 5 Nos. complete Drone Repair and Maintenance Tool Sets.

Each tool set shall be suitable for routine drone servicing, component replacement, electrical diagnostics, field-level repair, troubleshooting and technical training.

Each set shall include the following functional modules.

5.1 Mechanical Service Module

The mechanical service module shall include a quality precision multi-bit screwdriver kit suitable for small electronic and drone components.

The set shall include dedicated:

- 1.5 mm hex driver
- 2 mm hex driver
- 2.5 mm hex driver
- 3 mm hex driver

The module shall also include:

- Needle-nose pliers
- Flush cutter
- Fine wire stripper
- Straight tweezers
- Curved tweezers

- Plastic spudgers/opening picks

The tools shall be suitable for repeated professional/institutional use for drone assembly, disassembly and maintenance.

5.2 Electrical Diagnostic Module

Each tool set shall include suitable electrical diagnostic instruments for testing drone batteries, power systems, wiring and electronic components.

The module shall include:

- Digital multimeter
- Fine needle probes
- LiPo cell checker
- Power meter
- USB-A/USB-C power meter
- IR thermometer
- Smart smoke stopper/current limiter

The instruments shall be suitable for basic electrical fault identification and measurement during drone maintenance and repair activities.

5.3 Field Electrical Repair Module

The field electrical repair module shall provide the essential equipment and consumables required for electrical and wiring repair.

Each set shall include:

- Temperature-controlled soldering iron
- Suitable solder
- Flux
- Desoldering wick
- Heat-shrink kit
- Assorted repair wire kit

The soldering equipment shall be suitable for precision electronic repair and maintenance of drone components and wiring.

5.4 Propulsion Diagnostic Module

The tool set shall include suitable equipment for basic testing and troubleshooting of drone propulsion and control components.

A servo tester shall be included in each tool set.

Components already included in the drone training kit or other modules need not be duplicated where they adequately perform the required function.

5.5 Log and Data Extraction Module

Each repair and maintenance tool set shall include suitable accessories for extracting and transferring flight-controller, drone and related digital data.

The module shall include:

- Good-quality USB-A/USB-C SD/microSD card reader
- Known-good USB data cables
- OTG adapter, where required

The supplied accessories shall support routine data extraction, configuration and maintenance activities associated with the supplied drone training kits.

6. Quantity of Equipment

The required quantity under this RFP shall be as follows:

Sl. No.	Item	Quantity
1	Complete Quadcopter Drone Training/Repair Kit	20 Nos.
2	Rechargeable Battery, 3000–3500 mAh, compatible with supplied drone kit	20 Nos.
3	Complete Drone Repair & Maintenance Tool Set	5 Nos.

Each complete repair and maintenance tool set shall contain all the modules and tools specified under this RFP.

7. Installation, Assembly and Commissioning

The successful bidder shall deliver all equipment to the designated location of Kerala Police and shall undertake necessary assembly, inspection and commissioning.

The bidder shall demonstrate the complete operation of the supplied drone training kits and repair equipment to the designated personnel.

The demonstration shall include, as applicable:

- Assembly and disassembly of the training drone.
- Identification of major drone components.
- Battery installation and charging.
- Basic electrical testing.
- Propulsion-system testing.
- Basic wiring and soldering repair.
- Use of electrical diagnostic instruments.
- Basic flight-controller/data connection.
- Data extraction using the supplied accessories.
- Safe handling and maintenance procedures.

The equipment shall be considered commissioned only after successful demonstration and verification by the Department.

8. Training

The successful bidder shall provide practical technical orientation/training to designated police personnel.

The training shall cover:

- Identification of drone components.
- Drone assembly and disassembly.
- Basic preventive maintenance.
- Electrical fault diagnosis.
- Battery testing and safe handling.
- Propulsion-system troubleshooting.
- Soldering and wiring repair.
- Use of multimeter and other diagnostic equipment.
- Basic flight-controller/data connection.
- Data extraction using the supplied accessories.
- Safe use and storage of tools and batteries.

The training shall be conducted at the designated location of Kerala Police.

9. Safety Requirements

The bidder shall provide suitable safety instructions for handling rechargeable batteries, electrical components, soldering equipment and other repair tools.

The supplied battery charging system shall be suitable for safe charging of the supplied batteries.

The bidder shall provide necessary instructions regarding:

- Battery charging.
- Battery storage.
- Battery transportation.
- Battery inspection.
- Safe handling of electrical components.
- Safe operation of soldering equipment.

All safety-related instructions shall be provided to the designated personnel during training.

10. Quality Requirements

All supplied equipment shall be new, unused and of current production.

Refurbished, reconditioned or used equipment shall not be accepted.

The supplied drone training kits shall be complete and suitable for repeated training and maintenance activities.

The repair tools shall be of suitable quality for institutional/workshop use.

All electrical and electronic instruments shall be supplied with the necessary accessories, probes, cables and connectors required for their intended operation.

The bidder shall ensure compatibility between the drone training kits, batteries, chargers and associated components.

11. Warranty and Technical Support

The bidder shall provide a minimum 3-year comprehensive warranty for the supplied equipment, wherever applicable.

The warranty shall cover manufacturing defects and failures occurring under normal operating and usage conditions.

The bidder shall provide technical assistance during the warranty period for defects or operational issues related to the supplied equipment.

Defective equipment or components covered under warranty shall be repaired or replaced by the bidder without additional cost to the Department.

The bidder shall provide details of its authorised service/support arrangements and contact details.

12. Inspection and Acceptance

The supplied equipment shall be subject to inspection and verification by Kerala Police.

Acceptance shall be based on successful:

- Verification of quantity.
- Physical inspection of all supplied equipment.
- Verification of technical specifications.
- Verification of drone kit components.
- Verification of 3000–3500 mAh battery capacity and compatibility.
- Verification of charger compatibility.
- Functional demonstration of the drone training kits.
- Verification of repair and maintenance tools.
- Demonstration of electrical diagnostic instruments.
- Demonstration of soldering/repair equipment.
- Verification of data extraction accessories.
- Submission of required documentation.

Any item found not conforming to the specifications quoted in the bid may be rejected and shall be replaced by the bidder at no additional cost to the Department.

13. Bidder Eligibility

The bidder shall be an OEM, authorised dealer, distributor, system integrator or authorised supplier capable of supplying the proposed equipment.

The bidder shall have valid registration under applicable Indian laws and shall possess valid GST registration.

The bidder shall have adequate capability to provide supply, installation, demonstration and technical support for the offered equipment.

Preference may be given to bidders having previous experience in supplying drone-related equipment, electronics laboratory equipment, technical training equipment or similar equipment to Government Departments, Police, Defence, PSUs or educational/training institutions.

The bidder shall provide OEM authorisation wherever applicable.

The bidder shall not be blacklisted or debarred by any Government organisation, as applicable under prevailing procurement rules.

15. Compliance Statement

The bidder shall submit a point-by-point compliance statement against all technical and functional requirements specified in this RFP.

Any deviation from the minimum requirements shall be clearly indicated in the bid.

Silent deviations shall not be accepted.

Equivalent or superior specifications may be considered, provided the offered equipment meets or exceeds the stated minimum functional requirements and remains suitable for the intended drone repair, maintenance and technical training applications.

16. General Conditions

All equipment shall be supplied as a complete and operational system.

The bidder shall be responsible for transportation, delivery, installation, demonstration and commissioning of the supplied equipment.

All supplied electronic and electrical products shall be genuine and sourced through authorised channels.

The Department reserves the right to verify the specifications and authenticity of the offered equipment from the respective OEM/manufacture.

The Department reserves the right to inspect and test the equipment before acceptance.

The bidder shall be responsible for ensuring that all accessories required for the normal operation and intended training use of the supplied equipment are included in the quoted price.

The Department reserves the right to accept or reject any bid in accordance with applicable procurement rules.

Note: The specifications stated in this RFP represent the minimum functional and technical requirements for the proposed Drone Repair, Maintenance and Technical Training Lab. The bidder may offer equipment with equivalent or superior specifications, subject to compatibility with the intended training and maintenance requirements.

17. Delivery, Inspection, Acceptance And Replacement

1. Delivery Period

The successful bidder shall supply and deliver all items specified in the tender, along with all required accessories, batteries, chargers, spares, software, documentation and other items specified in the Schedule of Requirements, within **45 days** from the date of issue of the Supply Order/Letter of Acceptance.

2. Delivery Location

Delivery shall be made to the location(s) specified by the Procuring Authority within Kerala, at the supplier's own risk and cost. The supplier shall be responsible for the safe transportation, unloading, handling and delivery of all items at the designated location(s).

3. Complete Delivery

Delivery shall be considered complete only upon delivery of all items, accessories, components and associated requirements specified in the tender and their subsequent inspection, testing and acceptance by the Procuring Authority.

Mere physical delivery of the principal items without the required accessories, batteries, chargers, spares, software/firmware, documentation or other specified components shall **not** be treated as complete delivery.

4. Inspection, Testing and Acceptance

All supplied items shall be subject to inspection, verification and acceptance testing by the Purchase/Inspection Committee or any other committee/authority designated by the Procuring Authority.

The Procuring Authority shall have the right to verify, among other things:

- Quantity and completeness of supply;
- Make, model and serial number;
- Compliance with the prescribed technical specifications;
- Accessories, batteries, chargers, spares and other components;
- Software/firmware and associated documentation;
- Workmanship and physical condition; and
- Functional and performance requirements specified in the tender.

Acceptance shall be accorded only after satisfactory completion of the required inspection, testing and demonstration, wherever applicable.

5. Defective, Damaged or Non-Conforming Items

Any item found to be defective, damaged, incomplete or not conforming to the prescribed technical specifications or tender requirements during inspection, testing or within the

applicable warranty period shall be replaced or rectified by the supplier at no additional cost to the Procuring Authority.

Such replacement or rectification shall be completed within **15 days** from the date of intimation by the Procuring Authority, or within such other period as may be specified by the Procuring Authority based on the nature of the defect or non-conformity.

Payment schedule – Payment will be released only after the successful completion of supply, installation, configuration and Commissioning.

Execution of SLA

Successful bidder should execute a service level agreement format available at the Office of IGP Cyber Operations, Pattom Thiruvananthapuram. Cost of stamp paper for SLA is one rupee for every rupee 1000 or part thereof on the amount agreed in the contract, subject to a minimum of rupees 200 and a maximum of rupees one lakh.

Financial Bid

The bidder shall ensure that all proposed drones and other associated requirements shall be clearly identified and quoted in the Commercial Bid/BOQ, wherever applicable.

Contact for Clarifications

For any clarifications regarding this tender, bidders may contact the Cyber Operations Wing, Kerala Police: Email: drone.pol@kerala.gov.in

Mobile No. 09446227242

All queries should be sent well in advance of the bid submission deadline to ensure a response in time.