

“Custody

Correction

Reformation

Rehabilitation”

**Kerala Prisons &****Correctional Services**

Central Prison & Correctional Home,

Viyyur, Thrissur -680010

Phone:0487-2334060,04872334267

Email:cp.vyr.prisons@kerala.gov.in

www.keralaprison.gov.in

GOVERNMENT OF KERALA
PRISONS & CORRECTIONAL SERVICES DEPARTMENT
TENDER NOTICE
FOR SUPPLY OF ONE (1) DRONE SYSTEM

Tender Reference No.: [Order: KPCS/DIG/CZ/758/2026-G1;]

Date: [Dated: 03-10-2026]

The Superintendent, Central Prison & Correctional Home, Viyyur invites open tenders from eligible and technically competent manufacturers / authorised dealers/suppliers for the demonstration, supply, testing and commissioning of one (1) Drone System, complete with standard accessories, batteries, charging equipment, documentation, training and warranty/service support as specified in this Tender Document.

1. TENDER PARTICULARS

Particular	Details
Procuring Institution	Superintendent, Central Prison & Correctional Home, Viyyur
Name of Item	Drone System
Quantity	1 No.
Tender Type	Open Tender
Estimated / Total Tender Value	₹4,80,000/- inclusive of applicable GST
Amount in Words	Rupees Four Lakh Eighty Thousand Only
Delivery Location	Central Prison and Correctional Home, Viyyur
Tender Fee	1180
EMD	1 % of PAC
Delivery Period	14 days
Warranty / Service Support	Minimum 2 years, excluding battery
Mode of Tender	Open Tender
Place of Opening	Central Prison and Correctional Home, Viyyur
Address of Tender Inviting Authority	Superintendent, Central Prison and Correctional Home, Viyyur-680010, Ph.04872224060 Email:cp.vyr.prisons@kerala.gov.in Website:www.keralaprisons.gov.in

2. SCOPE OF SUPPLY

- Supply of 1 No. Enterprise Drone System in new and unused condition.
- Supply of compatible enterprise remote controller with display unit and standard operating accessories required for commissioning.
- Supply of flight batteries and charging equipment sufficient for normal departmental operation.
- Initial configuration, activation, firmware update where applicable, testing and demonstration.
- Basic operator familiarisation/handover training for designated departmental personnel.
- Warranty and after-sales support as specified in the final purchase order/tender conditions.
- Submission of original product documentation, serial numbers, warranty details and applicable compliance documents.

3. MANDATORY TECHNICAL SPECIFICATIONS - ENTERPRISE DRONE SYSTEM

Technical Parameter	Minimum / Required Specification
Aircraft take-off weight	Approx. 1220 g with standard propellers
Maximum take-off weight	1420 g with standard propellers
Maximum flight time	Up to 49 minutes, without wind, standard propellers
Maximum operating altitude	6000 m
Maximum operating altitude with payload	4000 m
Maximum wind speed resistance	12 m/s
Maximum horizontal speed	21 m/s forward; 18 m/s backward; 19 m/s sideways
GNSS	GPS + Galileo + BeiDou; GLONASS supported when RTK module is enabled
Hovering accuracy	Up to ± 0.1 m with Vision System / RTK under stated conditions
Wide camera	48 MP effective pixels
Medium tele camera	48 MP effective pixels
Telephoto camera	48 MP effective pixels
Wide camera equivalent focal length	24 mm; FOV 82°; f/1.7

Medium tele equivalent focal length	70 mm; FOV 35°; f/2.8
Telephoto equivalent focal length	168 mm; FOV 15°; f/2.8
Normal ISO range	ISO 100 to ISO 25600
Night scene ISO - wide	ISO 100 to ISO 409600
Night scene ISO - medium tele	ISO 100 to ISO 409600
Night scene ISO - telephoto	ISO 100 to ISO 819200
Video	4K 3840×2160 @ 30 fps; FHD 1920×1080 @ 30 fps
Video codec	H.264 / H.265
Telephoto digital zoom	16×; up to 112× hybrid zoom
NIR auxiliary light	FOV 5.7° ± 0.3°
Laser rangefinder	Up to 1800 m at 1 Hz for 20% reflectivity target; 600 m oblique incidence range
Gimbal	3-axis stabilization: tilt, roll and pan
Obstacle sensing	Omnidirectional binocular vision system with bottom 3D infrared sensor
Video transmission	Enterprise-grade digital video transmission system
Operating temperature	-10°C to 40°C
Max Flight Distance	30 km line of sight.

4. STANDARD SUPPLY / ACCESSORIES

Sl. No.	Component	Qty.	Bidder Compliance
1	Enterprise drone aircraft	1 No.	Comply
2	Compatible enterprise-grade remote controller	1 No.	Comply
3	Compatible Intelligent Flight Battery	3 No.	Comply
4	Compatible charging equipment/hub	1 Set	Comply
5	Standard propeller set	As required	Comply
6	Spare propeller set	1 Set	Comply
7	Aircraft carrying / transport case	1 No.	Comply
8	Cables and standard accessories	1 Set	Comply
9	User / technical documentation	1 Set	Comply
10	Initial commissioning and demonstration	1 Service	Comply

5. TECHNICAL COMPLIANCE STATEMENT

The bidder shall complete the following compliance statement and clearly identify the offered make, model, configuration, and deviations, if any. Supporting manufacturer datasheets shall be submitted.

Sl. No.	Requirement	Bidder Response	Supporting Document / Page
1	Aircraft take-off weight	Complied / Not Complied	
2	Maximum take-off weight	Complied / Not Complied	
3	Maximum flight time	Complied / Not Complied	
4	Maximum operating altitude	Complied / Not Complied	
5	Maximum operating altitude with payload	Complied / Not Complied	
6	Maximum wind speed resistance	Complied / Not Complied	
7	Maximum horizontal speed	Complied / Not Complied	
8	GNSS	Complied / Not Complied	
9	Hovering accuracy	Complied / Not Complied	
10	Wide camera	Complied / Not Complied	
11	Medium tele camera	Complied / Not Complied	
12	Telephoto camera	Complied / Not Complied	
13	Wide camera equivalent focal length	Complied / Not Complied	
14	Medium tele equivalent focal length	Complied / Not Complied	
15	Telephoto equivalent focal length	Complied / Not Complied	
16	Normal ISO range	Complied / Not Complied	
17	Night scene ISO - wide	Complied / Not Complied	
18	Night scene ISO - medium tele	Complied / Not Complied	

19	Night scene ISO – telephoto	Complied / Not Complied	
20	Video	Complied / Not Complied	

6. FINANCIAL BID / BOQ

Sl. No.	Description	Qty.	Amount (₹)
1	Enterprise drone system including standard supply, accessories, commissioning, demonstration, basic operator familiarisation and warranty/support as specified	1 Set	4,80,000/-
	TOTAL TENDER VALUE (inclusive of applicable GST)		4,80,000/-

Amount in words: Rupees Four Lakh Eighty Thousand Only.

7. WARRANTY, SERVICE & SUPPORT

- The bidder shall state the standard manufacturer warranty offered for the aircraft, remote controller, batteries and supplied accessories.
- Warranty shall cover manufacturing defects under normal authorised use, subject to manufacturer warranty terms.
- The bidder shall provide a clear contact point for warranty/service support.
- Any required firmware/software update shall be carried out in accordance with the manufacturer's authorised procedures.
- The department shall receive appropriate handover documentation and service escalation details.
- A minimum **2-year service warranty (except battery)** is required.
- The manufacturer **must be based in Kerala.**
- Complaints shall be rectified within 2days from the date of registration.
- The service should remain available even after the validity period expires.

8. DELIVERY, INSPECTION & ACCEPTANCE

- Delivery location and delivery schedule shall be specified by the Department in the final purchase order/tender conditions.
- The supplied system shall be new, unused and in original

manufacturer packaging.

- Acceptance shall be subject to verification of model, serial number, supplied accessories, technical specifications and functional demonstration.
- The Department may reject items that do not conform to the approved technical and contractual requirements.
- Any damage noticed during delivery or initial inspection shall be rectified/replaced by the supplier as applicable.

9. TENDER SCHEDULE

Particular	Date / Time
Tender Notification Date	03.10.2026, 11 am
Tender Document Available From	03.10.2026 11 am
Last Date for Submission of Bids	22.10.2026, 11 am
Date & Time of Technical Bid Opening	22.10.2026, 3 pm
Date of Financial Bid Opening	22.10.2026, 4.30 pm
Bid Validity	1 Months
Delivery Period	14 days

10 OTHER TERMS AND CONDITIONS

Tender form can be obtained from Central Prison and Correctional Home, Viyyur during working hours on all working days.

The Tender shall be submitted in two covers. That is, Technical Bid and Financial Bid separately.

Cover 1 (Technical Bid)

Shall contain technical specification details, technical complaint details, and all other tender documents except the financial bid.

Cover 2 (Financial Bid)

Shall contain the price bid only.

Jurisdiction

The courts at thrissur alone shall have jurisdiction over any disputes arising between the parties out of this tender or contract.

11. CONTACT DETAILS

Procuring Authority: Kerala Prisons & Correctional Services Department
 Office Address: [Central Prison & Correctional Home, Viyyur]
 Contact Officer: [Superintendent]
 Telephone: [0487-2334267]
 Email: [cp.vyr.prisons@kerala.gov.in]

DECLARATION BY THE BIDDER

- I/We have carefully read and understood all the terms and conditions of the tender.
- The product offered is new and unused.
- The information and documents submitted by us are true and correct.
- The offered product complies with the mandatory technical specifications stated in the tender, except for deviations specifically declared in the Technical Compliance Statement.
- I/We agree to provide warranty and service support as specified.
- I/We agree to supply all standard accessories and components required for normal operation of the system.
- I/We agree to abide by the terms and conditions of the tender and the final Purchase Order/Contract.

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SUPERINTENDENT