

INSTITUTE FOR DEFENCE STUDIES AND RESEARCH (IDSR)**Notice Inviting Quotation (NIQ)****Date:** 22nd July 2025

Subject: *Invitation of Quotations for Supply of Drone Parts for the Project – IDSR*

INSTITUTE FOR DEFENCE STUDIES AND RESEARCH (IDSR) invites sealed quotations from eligible suppliers/agencies for the procurement of drone components listed below.

Interested vendors are requested to submit their quotations in the below format to contact@idsr.org.in on or before **31st July 2025**.

Vendors must provide a **warranty/support period** of 6 months minimum.

| Sr.No | Components | Specifications | Quantity |
|-------|--|--|----------|
| 1 | Flight controller Cube Orange+ | Triple redundant IMU, CAN, RTK ready | 1 |
| 2 | Battery -Li-ion 6S/12s 16000mAh/22000mah | 22.2V 6s 16000mah/ 44.4,12s 22000mah | 2 |
| 3 | BLDC motor | Heavy lift, 12s compatible | 4 |
| 4 | ESCs[65A] RD T-PRO | Matched to motor | 4 |
| 5 | Carbon Fiber Props | 24" * 8 pitch props | 4 Pairs |
| 6 | Metal Frame | Aluminium 50 * 20mm | 10 m |
| 7 | Carbon Fiber tubes | CF30mm OD 1meter length | 4 |
| 8 | Video Telemetry Herelink HD System (v1.1 or v2) | 20 km HD video, telemetry, control | 1 |
| 9 | Camera - compatible with telemetry | 2 mp with Nightvision and Normalvision videography | 1 |
| 10 | GPS -Here3+ RTK GPS | Dual GPS, CAN protocol | 1 |
| 11 | optical flow Dual PX4Flow Sensors | Position lock in GPS-denied areas | 1/2 pcs |
| 12 | Ultrasonic Sensors (x4) | For obstacle avoidance | 2 |
| 13 | PDB + BECs + Connectors | High-voltage, XT90 or AS150 | 1 |
| 14 | Wiring, Shock Mounts | For vibration damping and noise filtering | 1 |

Submission Guidelines:

- Vendors must provide a **sealed or signed PDF quotation** with item-wise pricing and taxes clearly mentioned.
- Only **brand new** and **genuine** products will be considered.
- Delivery must be completed within **15 days** of the purchase order issuance.
- **Vendors must provide a warranty period of 6 months minimum.**
- Please address all quotations and queries to: contact@idsr.org.in

Note: The Institute reserves the right to accept or reject any or all quotations without assigning any reason thereof. Only valid quotations received within the due date will be considered.

Issued by:

Procurement Committee

IDSR – Institute for Defence Studies and Research

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