

**INSTITUTE FOR DEFENCE STUDIES AND RESEARCH (IDSR)****Notice Inviting Quotation (NIQ)****Date:** 8th 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 **23rd July 2025**.

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

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Delivery Period (In number of days)
1	BLDC Motor	T Motor MN601 170KV Brushless Motors for Quadcopter Drone	8	pieces	15
2	Propellers	T Motor 22x72 Carbon Fiber Propellers for Heavy Lift Drone	8	pieces	15
3	ESC	T Motor 80A 12S ESCs for High Power Motor Control	8	pieces	15
4	Battery	6S 10000mAh 25C LiPo Battery Packs for UAV Power Supply	4	pieces	15
5	Drone Frame	1600mm Octa Drone Frame for Heavy Payload Configuration	1	pieces	15
6	Flight Controller	Flight Controller Cube Cube Plus Core Control Unit for Drone Navigation	1	pieces	15
7	GPS modules	Here3 3 Plus GPS Modules with Connectors High Precision GNSS for Drone	2	pieces	15
8	Tx Rx system	SIYI HM30 Tx Rx System Long Range Telemetry and Video Transmission	1	pieces	15
9	Gimbal	SIYI ZT30 Optical Pod with 4 Sensors and Gimbal Drone Surveillance Payload	1	pieces	15
10	Double sided tap	3M VHB 5952 Double Sided Tape Mounting Drone Electronics	10	pieces	15
11	velcro straps	Nylon Velcro Battery Straps with Buckles Battery Mounting in Drone Frame	5	pieces	15
12	Cable ties	4 inch Nylon Cable Ties Wire Management in	50	pieces	15

		UAV			
13	Cable ties	6 inch Nylon Cable Ties Cable Securing in Drone Frame	50	pieces	15
14	Cable ties	10 inch Nylon Cable Ties Bundling ESC and Battery Leads	50	pieces	15
15	Cable ties	12 inch Nylon Cable Ties Heavy Duty Drone Wiring Support	50	pieces	15
16	Heat Shrink	2mm Heat Shrink Tubing Insulation for ESC Motor Leads	2	pieces	15
17	Heat Shrink	4mm Heat Shrink Tubing Motor to ESC Wire Protection	2	pieces	15
18	Heat Shrink	6mm Heat Shrink Tubing Medium Gauge Wire Protection	2	pieces	15
19	Heat Shrink	8mm Heat Shrink Tubing Large Gauge Wire Termination	1	pieces	15
20	Heat Shrink	12mm Heat Shrink Tubing High Voltage Connections Drone Use	1	pieces	15
21	Threadlocker	Loctite 243 Threadlocker Anti Vibration Lock for Drone Screws	50	ml	15
22	Gel pads	Anti Vibration Gel Pads Mounting Flight Controller GPS Mast	20	pieces	15
23	coating spray	Silicone Conformal Coating Spray Waterproofing Drone Electronics	250	gm	15
24	foam tap	3M Foam Tape Battery Insulation and Shock Absorption	10	pieces	15
25	solder wire	60 40 Rosin Core Solder Wire For Drone Connector Soldering	1	pieces	15
26	solder flux	Solder Flux Paste Pen Improving Electrical Connections in UAV	1	pieces	15
27	screws	M3 8mm T3 Screws For Mounting Motors and Stacks	30	pieces	15
28	screws	M3 10mm T3 Screws Used for GPS and Stack Mounting	30	pieces	15
29	screws	M3 12mm T3 Screws Structural Mounting in Drones	30	pieces	15
30	screws	M4 12mm T4 Screws For Frame Arms and Load Bearing Sections	30	pieces	15
31	locknuts	M3 Locknuts and Nylon Standoffs Separation of FC and Power Board	10	set	15
32	battery connectors	AS150 Anti Spark Battery Connectors Main Power Line for UAV	2	set	15
33	battery	XT60 Power Connector For ESC or Battery	5	pair	15

	connector s	Interface Drone Use			
34	battery connector s	XT90 High Current Connector Power Lines for Large Drone	5	pair	15
35	Connector s	4mm 55mm Bullet Connectors ESC to Motor Wiring in UAV	70	pair	15
36	silicone wire	12 AWG Silicone Wire Red Black Battery to ESC Power Lines	4	Mt	15
37	servo wire	22 24 AWG 3 core Servo Wire Signal Lines from FC to ESCs	3	Mt	15
38	grease	Silicone Dielectric Grease Moisture Protection for Drone Connectors	1	pieces	15
39	warm pouch	Body Warm Pouch Sachets Battery Heating in Cold Weather UAV Ops	20	pieces	15
40	allen key	Taparia Allen Key Set Drone Assembly Toolkit 10 pcs	1	set	15
41	screwdrive r	Bosch Screwdriver Bit Set Assembly Tool for Screws and Nuts	1	set	15
42	expanding foam	SikaBoom PU Expanding Foam Insulation Sealing for Drone Body	3	pieces	15
43	battery connector	Parallel Battery Connector XT60 For Dual Battery UAV Setup	4	pieces	15
44	battery connector	Parallel Battery Connector XT90 Parallel Connection of High Load Batteries	4	pieces	15
45	battery connector	Series Battery Connector XT60 Voltage Doubling for Drone Batteries	4	pieces	15
46	battery connector	Series Battery Connector XT90 Series Config for UAV High Power Systems	4	pieces	15

#### 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](mailto: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.

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**Issued by:**

**Procurement Committee**

**IDSR – Institute for Defence Studies and Research**

**+91 79900 81885 (Gaurav Dhingani | Support)**