

**Delhi Technological University**  
**Department of Mechanical Engineering**  
**SHAHBAD DAULATPUR, BAWANA ROAD, DELHI -110042**

				one place.
14	Lipo Guard Bag	Nos	2 Nos	Battery Guard Bag
15	Jumper Wires	Nos	6 Pairs	50 in Set
16	Screw Drive Set	Nos	1 Nos	Different ranges
17	Paper Tape	Nos	5Pckt	Insulation Filament Tape
18	Allen Key Set	Nos	1 Pckt.	
19	Tie Wire	Nos	1 Pckt.	Nylon
20	Landing Gear	Nos	1 Nos	550mm 550g/720g(without/with gimbal) nsures hardness and lighter weight – Brushless gimbal compatible for FPV
21	Multimeter	Nos	1 Nos.	Mastech DC Voltage utpo 600V (In 5 Ranges) AC Voltage utpo 600V (In 2 Ranges)

*Sushila Rani*

Dr. SUSHILA RANI  
Officer In- charge  
Automation Mechatronic & Smart manufacturing Lab

Copy to:

1. Sr. Account Officer, DTU
2. HOD, (CC) to upload on DTU website
3. Notice Board, MED/HOD

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NO.DTU/MED/HOD/2023/1311

DATED- 03/11/2023

**NOTICE INVITING QUOTATION**

Sealed quotations are invited for the procurement of Rotary wing UAV parts for Mechatronic & Smart Manufacturing Lab, Department of Mechanical Engineering. F.No.DTU/MED/HOD/2023/1311 dated 03/11/2023. The sealed quotations on company's letter head including GSTIN No. with above File No. written on the sealed cover should reach to the office of the of Head of the Mechanical Engineering, Delhi Technological university, Delhi-110042 latest by 20/11/2023.

S.NO.	Item Name	Unit	Actual Quantity required	Specification
1	Frame	Nos	1 Nos	500 mm in Diameter Carbon fiber body
2	Motor	Nos	12 Nos	BLDC Motors 6 CW Motors & 6 CCW Motors
3	ESC	Nos	6 Nos	Speed Controller to convert PWM from autopilot and control motor speed
4	Propellers	Nos	5 Pairs	Propellers (Carbon Fibre - Expensive - Durable)
5	Power Distribution Board	Nos	1 Nos	Distribute 24V from battery in parallel connection
6	BEC	Nos	6 Nos.	Step Down 24V to Dual Output (12V and 5 V)
7	Autopilot	Nos	1 Nos	32bit STM32F427 Cortex M4 core with FPU
8	GPS	Nos	1 Nos	72-channel Ublox M8 engine receiver
9	LiPo Battery	Nos	3 Nos	6 Series 5200 mah
10	Battery Charger	Nos	1 Nos	Recharging LiPo Batteries
11	Transmitter-Receiver	Nos	1 Nos	Operating Volt. - 6.5V - 8.4V RSSI PWM output (0~3.3V)
12	Camera	Nos	1 Nos	Max. Dist FCC/SRRC:<4 km & CE:<0.7 km.
13	Solder Station + Solder wire	Nos	1 Pckt.	Use for multipurpose Power soldering electronic Components at