



Institute of Infrastructure, Technology, Research And Management

(An Autonomous University established by Government of Gujarat)

No. IITRAM/Tender_19/Corrigendum-I/2024 / 1124

Date: 28.05.2024

CORRIGENDUM – I

e-Tender. No. 2024/19 | (n) Procure Tender ID: 70509

Name of item: Procurement of Components for Drone Lab

IITRAM has invited online bid for above captioned e-Tender and the same has been published on (n) Procure portal on 09.05.2024. The following amendments may please be noted:

- In the published tender two (02) items are hereby removed from Annexure – I “Schedule of Quantity” and Annexure - II “Financial Bid” –

Sr. no. 25 - GPS Matek System - M9N-F4 GNSS &

Sr. no. 38 - LiPo battery, 4S 4500mAh 75C

Please do not consider/quote for above mentioned two items. Interested and eligible parties are requested to quote for 46 items only.

All other Terms & Conditions will remain same.

Registrar

Copy to:

1. IITRAM Web Portal
2. (n) Procure Portal

Nr. Khokhra Circle, Maninagar (East), Ahmedabad-380026, Gujarat, India

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Annexure – I**(Schedule of Quantity)****Name of Item(s): Procurement of Components for Drone Lab**

Sr. No.	Name of Item	Specifications	Qty.
1	LORA module	TTGO T-Beam ESP32 LORA 433MHz Wi-Fi Wireless Bluetooth Module with IPEX & 18650 Battery Holder	8
2	Camera	Camera for Raspberry pi	2
3	Flight controller	Navio2 Autopilot HAT Kit	1
4	Battery Chargers	ISDT D2 Smart Battery Charger	1
5	Device Boards	Raspberry Pi 4 x1 Nos.	1
6	Device Boards	Raspberry Pi 5 x1 Nos.	4
7	Device Boards	Arduino mega x1 Nos.	1
8	Device Boards	Arduino Teensy	1
9	Anemometer	Air Velocity Range:0.4 to 30.0 m/s Accuracy:± (2% + 1 d) Resolution:0.1 m/s Display:18mm (0.7") LCD	1
10	LoRa display	0.96 Inch I2C/IIC 4pin OLED Display Module BLUE	12
11	BLDC MOTOR	F2203.5 KV2850	4
12	propeller	HD 6042(6X4.2)	2
13	Electronic Speed Controller (ESC)	T MOTOR AIR 40A	4
14	Flight Controller	Pixhawk 6C Mini	1
15	Flight Controller	Hex Pixhawk Cube+ orange	1
16	GPS	Pixhawk 4 2nd GPS Holybro	1
17	Li-ion Battery	SAMSUNG INR21700-40T 4000mAh (9c)	12
18	Pixhawk Power Module	APM V6.0 Output BEC 3A XT60 connector 28V 90A	3
19	Cables and Connectors Kit for pixhawk	GH 1.25mm for Pixhawk4 Pixhawk 6C 6X 20cm Silicone Wire	1
20	Li-ion Battery Charger	18650 Li-ion Battery Charger with Wire - 2 Cell	2
21	power distribution board	PDB-XT60 with BEC 5V and 12V	2
22	Barometric Pressure	Adafruit DPS310 Precision Barometric Pressure / Altitude Sensor	1
23	Inertial Measurement Unit	SparkFun BMI270 6DoF IMU Breakout Qwiic	1
24	Compass	PNI RM3100	1
26	Flight controller	F4 V3S Plus Flight Control OSD 2-6S Two way 3A BEC 9V Pad	1
27	Processor board	Teensy 4.1 Development Board	1
28	Brushless DC Motor	EMAX MT2213 935KV Black Cap (CW Motor Rotation) With Prop1045	2
29	Brushless DC Motor	EMAX MT2213 935KV Red Cap (CCW) With 1045 Propeller	2

30	HD Propellers	Propellers 1045(10X4.5) ABS DJI Black 2CW+2CCW	2
31	drone camera	OAK-D Lite	1
32	Developer Kit	Jetson Nano Developer Kit	1
33	Electronic Speed Controller (ESC)	Emax BLHeli Series 30A ESC with Oneshot (Original)	6
34	Quadcopter Frame	F450 / Q450 (PCB Version with Integrated PCB) + Plastic Landing Gear	1
35	Alkon plastics private limited Component Organiser ACO60	Cabinet Dimension 457 H X 424 W X 164 D MM , Drawer Dimension 153 L X 62 W X 37 H MM	1
36	LiPo battery	4S 8000mAh 40C	1
37	LiPo battery	4S 1000mAh 40C	3
39	LiPo battery	3S 3300mAh 40C	1
40	Carbon fiber tubes	OD: 10mm , Thickness: 1.5mm, Length: 1000mm	10
41	Carbon fiber tubes	OD: 8mm , Thickness: 1.0mm, Length: 1000mm	5
42	Carbon fiber tubes	OD: 12mm , Thickness: 1.0mm, Length: 1000mm	4
43	Carbon fiber tubes	OD: 12mm , Thickness: 2.0mm, Length: 1000mm	2
44	Carbon fiber tubes	OD: 20mm , Thickness: 1.0mm, Length: 1000mm	2
45	Carbon fiber plate	100mm * 250mm *1mm	5
46	Carbon fiber plate	300mm * 200mm *2mm	5
47	PLA spools	1kg - White	2
48	HACKRF RF Radio NMS 1500	Maximum Elements Capacity 1500	1

Annexure - II**FINANCIAL BID****(Format for Submission of Financial Details)****(Data Sheet to be submitted ONLY Online at (n)Procure Portal)**

Sr. No.	Name of Item (s)	Qty.	Rate (Without GST)	Total Amount (INR)	GST Slab Rate (%)
A	B	C	D	E= (C*D)	F
1	LORA module	8			
2	Camera	2			
3	Flight controller	1			
4	Battery Chargers	1			
5	Device Boards	1			
6	Device Boards	4			
7	Device Boards	1			
8	Device Boards	1			
9	Anemometer	1			
10	LoRa display	12			
11	BLDC MOTOR	4			
12	propeller	2			
13	Electronic Speed Controller (ESC)	4			
14	Flight Controller	1			
15	Flight Controller	1			
16	GPS	1			
17	Li-ion Battery	12			
18	Pixhawk Power Module	3			
19	Cables and Connectors Kit for pixhawk	1			
20	Li-ion Battery Charger	2			
21	power distribution board	2			
22	Barometric Pressure	1			
23	Inertial Measurement Unit	1			
24	Compass	1			
26	Flight controller	1			
27	Processor board	1			
28	Brushless DC Motor	2			
29	Brushless DC Motor	2			
30	HD Propellers	2			
31	drone camera	1			

This table of Financial Bid is stated for reference purpose only and please do not disclose any price here at the time of submission of this document.

32	Developer Kit	1			
33	Electronic Speed Controller (ESC)	6			
34	Quadcopter Frame	1			
35	Alkon plastics private limited Component Organiser ACO60	1			
36	LiPo battery	1			
37	LiPo battery	3			
39	LiPo battery	1			
40	Carbon fiber tubes	10			
41	Carbon fiber tubes	5			
42	Carbon fiber tubes	4			
43	Carbon fiber tubes	2			
44	Carbon fiber tubes	2			
45	Carbon fiber plate	5			
46	Carbon fiber plate	5			
47	PLA spools	2			
48	HACKRF RF Radio NMS 1500	1			

Declaration:

I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in this tender notice.

Signature of Bidder with Seal

Date: _____

Place: _____

