



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES

(A.P Government Act 18 of 2008)

Nuzvid, RGUKT-campus, Eluru District, Andhra Pradesh-521202

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NIQ FOR THE “Development of Autonomous and Collaborative Drone communication Network for Challenging Environment”

Ref. No: 43/RGUKT/NUZ/ECE/TiHAN/Capital Equipment/Procure/2025-26 Date: 21.10.2025

To

All Interested vendors

Dear Sir/ Madam,

SUB: Notice inviting quotation for “Development of Autonomous and Collaborative Drone communication Network for Challenging Environment”.

The Administrative Officer, RGUKT- Nuzvid invites quotations in a single bid as indicated above. Kindly quote your lowest price including taxes & transportation.

Terms and conditions:

- 1) Address of the firms submitting the quotation and the Officer to whom the quotation is addressed must appear distinctly on the sealed cover as under and should reach by speed post/ Courier service/by the person.
- 2) The following must be written on the outer sealed cover irrespective of a single bid. Without a sealed cover, the quotation will not be accepted.

QUOTATIONS FOR “Development of Autonomous and Collaborative Drone communication Network for Challenging Environment”

Ref. No: 43/RGUKT/NUZ/ECE/TiHAN/Capital Equipment/Procure/2025-26

Dt:

To

**The ADMINISTRATIVE OFFICER
RGUKT - NUZVID
Eluru (DIST) - A.P. - 521202**

- 3) The vendors may also send the email quotations in password protected PDF format to procurement@rguktn.ac.in. If vendors failed to submit password protected documents, it may not be considered for evaluation. The committee will call for a password on the opening day of the tender.
- 4) here is no Quotation document fee and the Quotation document is to be downloaded from our Website given below. www.rguktnuz.in/tenders or www.rguktn.ac.in/tenders

- 5) **Validity:** Quoted rates must be valid for 120 days.
- 6) **Delivery:** Unless otherwise stated delivery of goods at RGUKT-Nuzvid, will have to be maximum Within 15days. All aspects of safe delivery shall be the exclusive responsibility of the vendor.
- 7) **GST Registration :** copy of the document to be furnished
- 8) In case of civil works he should be a registered civil contractor. Copy of the certificate to be Enclosed along with the tender.
- 9) The vendor should have sufficient experience in supplying goods/executing work/OEM mentioned in The NIQ. Further you are requested to provide previous purchase order/work order that you have Supplied for other organizations/ institutes if asked for.
- 10) The vendor should quote the GST price in the quotation if failed the quotation will be disqualified.
- 11) **Late and delayed quotation:** Late and delayed tender will not be considered. In case any Unscheduled holiday occurs on the prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.
- 12) **Bid not transferable:** The bid documents are not transferable and the seal and signature of the authorized official of the firms must appear on all the papers and envelopes submitted.
- 13) **Payment:** Payment will be made within 30 days from the billing date after getting a satisfaction Certificate from the concerned department. Payment would be made through online mode only. The Following information must be mentioned on the bill for Digital payment -
- Name of the Firm with complete postal address
 - GST Number of the institute (37AAAGRO129Q1ZX)
 - GST Number of the firm
 - ACCOUNT No
 - Name of the Bank with Branch
 - IFSC CODE
 - PAN NO:
- 14) Chemist/pharmacy/Drug valid license/Registration number
- 15) Kindly read terms and conditions properly and see that they are fully understood and complied with. No correspondence shall be entertained in case your quotation is rejected on the ground of not complying with our instructions, terms, and conditions. In case of doubt please contact us at 08662468516 or the Administrative Office.
- 16) The last date for the receipt of quotations will be 07 days from the date of issue and is extendable until receiving of three quotations. The vendor should see the website for updates.

Tender Schedule

Starting date	21/10/2025 (05:00PM)
Last date & Time of receipt of Tender	28/10/2025 (05:00PM)
Time of opening Tender:	29/10/2025(10:00AM)
Venue of Bid opening:	Administrative Office, RGUKT- Nuzvid.

Check List

1. GST Certificate (Mandatory)
2. Price Bid (Signed)

Note: The contractor acknowledges that he has satisfied himself as to the nature and location of the work before submitting the tender.

Price Bid

43/RGUKT/NUZ/ECE/TiHAN/Capital Equipment/Procure/2025-26				
<i>GST of the Firm :</i>				
SN o	Name of the Equipment	Qty	Unit price	Total price
1	Holybro X500 V2 Kits (Included Motor, Prop and ESC) Specifications: High-Quality Carbon fiber Material Frame Comes With Landing Gear Power Distribution Board Pre Installed Easy to Assemble kit Frame Weight: 470 gms Package Includes: Holybro X500 V2 Kits With Preinstalled Items: Motors – Holybro 2216 KV920 Motor (4 pcs) with XT30 Plug (Motor Specification can be found here) 4 x ESCs – BLHeli S ESC 20A 6 x 1045 Propellers Power Distribution Board – XT60 plug for battery & XT30 plug for ESCs & peripherals	1		
2	UBEC - 5V-3A Specifications: Working voltage: 5.5v-35v lipo 2s-5s Continuous current: 3A Instantaneous current: Min. 4A 20 seconds Output voltage: 5.25V +/-0.5V Suitable for: RC AirPlane Multirotor helicopter Special for FPV image transmission	8		

3	Flysky FS-i6X 2.4GHz 10CH AFHDS 2A RC Transmitter With FS-iA10B 2.4GHz 10CH Receiver Specification for FS-i6X RC Transmitter : Item: FS-i6X RC Transmitter Tx Channel: 6-10 (6 Default) Model Type: Fixed-Wing/Glider/Helicopter RF Range: 2.408-2.475GHz RF Power : < 20dBm RF Channel: 135 Bandwidth : 500KHz 2.4GHz System : AFHDS 2A / AFDHS Modulation Type: GFSK Stick Resolution: 4096 Low Voltage Warning: < 4.2V DSC port: PS/2 Port PPM Specifications for FS-iA10B RC Receiver: Rx Channels: 10 Suitable models: Airplane / glider / helicopter Health Frequency range :2.4-2.48 GHz Transmitting power: not more than 20dBm Receiver sensitivity:-105dBm 2.4G modes: automatic frequency second generation digital system Encoding: GFSK Antenna length: 26 mm * 2 (dual antenna) Weight: 19.3 g Input power :4.0-6.5 V DC Dimensions: 47 x 33.1 x 14.7 mm	2		
4	Radiolink crossflight Flight Controller Kit With GPS Features: Radiolink crossflight Flight Controller :- Advanced flight control algorithm for stability. Compatible with various UAV platforms. Supports multiple flight modes. Integrated gyros, accelerometers, and magnetometers. OSD display for real-time flight info. Easy user-friendly configuration. Fail-safe features for enhanced reliability. Telemetry support for real-time data communication. Package Includes: 1 x Flight Control(crossflight) 1 x Power Module(Support 2-12S) 1 x Buzzer 1 x I2C Transfer Board 1 x FC Status Indicate LED 1 x set of cables 1 x set of other accessories 1 x Radiolink TS100 Mini M8N GPS Module 1 x Plastic GPS Antenna Foldable Mount Holder 1 x Shock Absorber Set	1		

5	Battery Voltage Tester Monitor and Buzzer Alarm Input: 1S-8S Battery Battery type: Lipo/LiFe/Li-ion/LiMn It has a Buzzer Alarm for low voltage indication. Useful for measuring each cell voltage. Cell Voltage Display Range: 0.5v-4.5v Total Voltage Display Range: 3.7-36v Alarm set values: Off or 2.7-3.8v	5		
6	S550 Hexacopter Frame Wheelbase: 550mm Weight: 550g/720g(without/with gimbal) Adopts S800 upward tilt arm design – Plastic injection moduling Ensures hardness and lighter weight – Brushless gimbal compatible for FPV It comes with PCB center board of soldered The arm equips support ridges for better and faster forward flight. Features pre-threaded brass sleeves.	1		
7	S500 Carbon Fiber Quadcopter Drone Frame Kit High-Quality Carbon fiber Material Frame Comes With Landing Gear Power Distribution Board Pre Installed Easy to Assemble kit Frame Weight: 470 gms	2		
8	OSAKA HR06 3000mAh AA Ni-Mh Rechargeable Batteries Pieces with OSK-C903W Battery Charger Set	3		
9	DJI 2212 920KV Brushless DC Motor for Drone with Black Cap (CW Motor Rotation-08 & CCW Motor Rotation-08) Motor KV: 920 RPM/V. Motor Rotation: CW,CCW. Thrust: Around 0.5 kg ESC: 30 A Shaft Diameter: 6 mm	16		
10	Pro-Range Propellers 1045(10X4.5) ABS DJI Black 1CW+1CCW-1pair- Premium Quality Length: 10". Pitch: 4.5". Weight: 22 gm. Shaft Diameter: 9 mm. Total Length: 10 inch / 250 mm. Material: ABS	20		
11	SafeConnect XT-60 Male Connector Pigtail	5		
12	Ready to Sky 20cm Lipo Battery Strap Belt.	12		

13	UTRAQ L100 IRNSS NavIC GAGAN GPS Receiver Module Main Features Support GPS and NavIC Support STAGNSSTM orbit prediction Support SBAS ranging (WAAS, EGNOS, GAGAN, MSAS) Low-noise amplifier has been integrated Operation temperature : -40°C~+85 °C 3.3 Volt Supercapacitor on V_BCKUP Pin for hot start	1		
14	CP2102 USB to TTL Module with DTR pin (Can work as Arduino Programmer)	1		
15	40A 2-6S ESC 3.5mm Banana connector Brand: Ready to sky Model: 40A 2-6S ESC Current: 40A Burst Current(10sec): 60A Programming: Timing(high/middle)	6		
Sub Total				
GST@ (%)				
Total Estimated Cost (Inclusive of all taxes, transportation,Installation ,etc...)				

DECLARATION BY THE CONTRACTOR

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions, etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions. This is also certified that I/We/our principal manufacturing firm has no objection to signing the contract if the opportunity for the items against this tender is given to me/us.

Date:

Address:

Signature:

Name:

Designation:

On behalf of company Seal: