



RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES
(A.P Government Act 18 of 2008)

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

Tele No: 0866-2468516

E-mail Id: ao@rguktn.ac.in

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

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

Date: 02.08.2025

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: 26/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) There 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 -
 - a) Name of the Firm with complete postal address
 - b) GST Number of the institute (37AAAGRO129Q1ZX)
 - c) GST Number of the firm
 - d) ACCOUNT No
 - e) Name of the Bank with Branch
 - f) IFSC CODE
 - g) 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	02/08/2025 (05:00PM)
Last date & Time of receipt of Tender	11/08/2025 (05:00PM)
Time of opening Tender:	12/08/2025(10:00AM)
Venue of Bid opening:	Administrative Office, RGUKT- Nuzvid.

Sd/-
Administrative Officer

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

Price Bid

REF No: 26/RGUKT/NUZ/ECE/TiHAN/Capital Equipment/ Procure/2025-26				
GST of the Firm :				
S.No	Name of the Equipment	Quantity	Unit price	Total price
1	F450/Q450 Quadcopter Frame(PCB Version with Integrated PCB) + Plastic Landing Gear Combo Kit Specification of Component <i>Wheelbase: 450mm</i> Material: Glass Fiber + Polyamide-Nylon Weight: 330 gm Motor Mounting Hole Dia.: 3 mm Arm Size: 220 x 40 (LxW) mm Landing Gear Material: ABS Landing Gear Height: 200 mmModel:FS-ia6B	5		
2	FLY SKY FS IA6B RF 2.4GHz 6CH PPM output with iBus port receiver Specification of Component Model:FS-ia6B Operating Voltage (VDC):4.0 ~ 8.4V No. of Channels:6 No. of Band:140 Encoding: GFSK. RF Range:2.4055–2.475 GHz. Rx Sensitivity (dBm):-105 Antenna Length (mm):26 Video Format Supported:NTSC/PAL	3		
3	HolyBro SiK Telemetry Radio V3 3DR 500mW 433MHz Specification of Component Open-source SIK firmware Plug-n-play for Pixhawk Standard Flight Controllers Easiest way to connect your Autopilot and Ground Station Interchangeable air and ground radio Frequency Hopping Spread Spectrum (FHSS) Configurable duty cycle Error correction corrects up to 25% of bit errors Open-source SIK firmware Configurable through Mission Planner & APM Planner FT230X/FT231 is a USB to BASIC UART IC Micro-USB port (Type-C Adapter Cable Included) Frequency Hopping Spread Spectrum (FHSS) Configurable duty cycle Error correction corrects up to 25% of bit errors Open-source SIK firmware Configurable through Mission Planner & APM Planner	2		

4	Orange 11.1V 5200mAh 40C 3S Lithium Polymer Battery Pack Specification of Component Cell: 3S Capacity (mAh): 5200mAh Output Voltage (VDC): 11.1V Discharge Plug: XT-60 Max. Charge Rate: 40C	3		
5	Orange 11.1V 6200mAh 40C 3S Lithium Polymer Battery Pack Specification of Component Model No. ORANGE 6200/3S-40C Voltage: 11.1V Constant Discharge: 40C Max Discharge : 50C (10 sec) The Orange LiPo battery has matched resistance. Good Temperature Control. Minimum weight in Class	1		
6	Safe Connect XT-60 Male Connector to Banana Connector Charge Adapter Cable Specification of Component Thick 14 AWG Wire. Length: 20cm Weight: 35 gm. Input Connector: Male 4mm Banana Plug Output Connector: Female XT60 (with male bullets)	1		
7	Ready to SKY Simonk 30A ESC with Banana Connector Specification of Component Cont Current: 30A Burst Current: 35A BEC: Linear mode Using Multi integrated circuit special program. Fast throttle response	8		
8	Official Raspberry Pi 5 Model 8GB Starter Kit Specification of Component 1 x Raspberry Pi 5 Model 8GB 1 x Official 27W USB-C PD Power Supply for Raspberry Pi 5 -Black 1 x Sandisk 32 Gb Memory Card /Official Raspberry Pi MicroSD Card 32GB 1 x Official Raspberry Pi 5 Case Red-White 1 x Official Micro-HDMI (Male) to Standard HDMI (Male) Cable for Raspberry Pi	1		
9	Jetson Nano Specification of Component GPU 128-core Maxwell CPU Quad-core ARM A57 @ 1.43 GHz Memory 4 GB 64-bit LPDDR4 25.6 GB/s Storage TF card (NOT included) 16GB eMMC + 64GB TF card Video Encoder 250 MP/s 1x 4K @ 30 [HEVC] 2x 1080p @ 60 [HEVC] 4x 1080p @ 30 [HEVC] Video Decoder 500 MP/s 1x 4K @ 60 [HEVC] 2x 4K @ 30 [HEVC] 4x 1080p @ 60 [HEVC] 8x 1080p @ 30 [HEVC]	1		

	Camera 2x MIPI CSI-2 DPHY lanes Connectivity Gigabit Ethernet, M.2 Key E expansion connector Display HDMI and DP USB 4x USB 3.0, USB 2.0 Micro-B Extension Interfaces GPIO, I2C, I2S, SPI, UART Dimensions 100 × 80 × 29mm Other 260-pin connector			
10	230mmx300mm LiPo Battery Guard Bag Features: The safest way to charge and store your lipos. Protect your workshop, family and home from the hazard of lipo The LIPO SAFE is intended to reduce the chances of damage o charging. This is a fireproof bag, designed to stop and contain any fire caused by incorrectly charging or poorly functioning lipo packs	3		
11	Large Space Fire and Water Resistant Lipo Battery Bag (26 × 18 × 13cm) Features Offers extra protection for you, your equipment, and your charging location Flame or Fire resistant Water-resistant Heavy Material Zip lock and Handle to Hold and carry Dimensions: 26x 18 x 13 cm	1		
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: