

Date: 10th Sep 24

Last date to receive the quotation at 16:00 hours on **3rd October 2024**

Quotations will be opened at 16:00 hours on the same day.

Details are also available at www.sit.ac.in Procurements tab and <https://siddagangatbi.com/>

**INVITATION FOR QUOTATION FOR SUPPLY OF EQUIPMENT FOR SETTING UP
NIDHI I TBI PROTOTYPE LAB**

To,

Dear Sirs,

Sub: **Quotation For Supply of Equipment for Setting up NIDHI I TBI Prototype Lab**

1. You are invited to submit your most competitive quotation for the supply & installation of item/s shown below.

Sl No	Description	Quantity/Pcs
1	Accelerometer Sensor	1
2	Standard Size solar panels to cover 4mX4M Batteries - 4KV	1
3	Weather Station based on LoRaWAN	1
4	ARM based IoT Gateways IoT Server	1

Detailed specifications are given in Annexure 1

2. **Bid Price**

- a) The procurement shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable for this procurement shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the procurement period and shall not be subject to adjustment on any account.
- d) **The Prices should be quoted in Indian Rupees only.**

3. **Each bidder shall submit only one quotation.**

4. **Validity of Quotation**

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

5. **Evaluation of Quotations**

- a) The Purchaser will evaluate and compare the quotations determined to be substantially responsive, which are properly signed and confirm to the terms and conditions, and specifications.
- b) The deviations in the specifications quoted to the required specification if any should be clearly indicated in the format (duly signed by supplier) have to be enclosed along with the quotation. If there are "No deviations" it should be mentioned as NIL.
- c) Please quote whether you are the original manufacturer of the equipment for which you have quoted or the dealer or the authorized agent of the company.
- d) Please give list to whom such equipment have been supplied during the last three years.
- e) The quotations should be submitted in a sealed cover and the cover should be superscribed as **Quotation for Supply of Equipment for Setting up NIDHI I TBI Prototype Lab.**

6. **Award of Purchase Order**

- a) The Purchaser will award the purchase order to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- b) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the procurement process and reject all quotations at any time prior to the award of purchase order.
- c) The bidder whose quotation is accepted will be notified of the award of purchase order by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

7. No advance payment will be made. Payment shall be made only on successful installation, demonstration and satisfactory performance of the equipment.

8. You are requested to submit your quotation latest by **16:00 hours on 03-10-2024** and the quotations will be opened at 16:00 hours on the same day.


9. **General Conditions:**

- a) Address the quotations and the quotation hardcopy to be courier to: Siddaganga Incubation Foundation, SIT College Campus, 3rd Floor, Electrical Building, Dr. Sree Sree Shivakumara Swamiji Road, Tumkur-572103 Karnataka, Contact : 9710129060
- b) For any general clarifications regarding procurement, please contact: Jagan Karthick. G, Head, Siddaganga Incubation Foundation
Mail id: head@siddagangatbi.com, Mobile: 9710129060
- c) For technical clarifications regarding this procurement, please contact: Jagan Karthick. G, Head, Siddaganga Incubation Foundation
Mail id: head@siddagangatbi.com, Mobile: 9710129060

10. Terms and Conditions:

- a) Quotations are to be supplemented with specification details and brochures.
- b) Price quoted must be F.O.R. Tumkur (Siddaganga Incubation Foundation, Tumkur).
- c) All procurements are made to provide support for student innovators, startups for product development.
- d) Warranty period shall be clearly mentioned.
- e) Unit cost should be shown and other taxes shall be specifically mentioned.
- f) Delivery period, Validity, warranty period should be clearly indicated.
- g) Providing training on the instrument is a part of the procurement.

We look forward to receive your quotations at the earliest.


10/09/2024

Board Chairman
Siddaganga Incubation Foundation
Tumkur - 572103

Annexure - 1

TECHNICAL SPECIFICATION

Supply of equipment to the Siddaganga Incubation Foundation

Sl No	Description	Specifications
1	Accelerometer Sensor	<p>Accelerometer Sensor - Similar to</p> <ul style="list-style-type: none"> * Brand - CTC * Part Number - A115 * Number of Axes - 3 * Sensing Axis - XYZ * Acceleration Range - +/- 50 g * Sensitivity - 100 mV/g * Material - Stainless Steel * Output Voltage - 10-14 V DC * Output Type - 12C * Excitation Voltage - 18-30 V DC * Operating Temperature Range - -50 to 121 deg C
2	Standard Size solar panels to cover 4mX4M Batteries - 4KV	Standard Size solar panels to cover 4mX4M Batteries- 4KV
3	Weather Station based on LoRaWAN	<p>Weather Station based on LoRaWAN - Similar to</p> <ul style="list-style-type: none"> * Wall Attachable * LoRaWAN v1.0.3 Class A protocol. * RS485 / Modbus protocol * Frequency Bands: IN865 (Default) * AT Commands to change parameters * Remote configure parameters via LoRaWAN Downlink * Firmware upgradable via Prcgram port * Powered by external 12v battery * Back up rechargeable 1000mAh battery * IP Rating : IP65 * Support default sensors or 3rd party RS485 sensors <p>Carbon Fiber Agricultural Sprayer Drone with LoRaWAN</p> <p>Drone Specifications:</p> <ul style="list-style-type: none"> * Capacity -10 Ltr & 16 Ltr * Capacity Material - Carbon Fiber * Model Name/Number - NLA410 / NLA416 for 4 rotors & NLA610 / NLA616 for 6 rotors * Modes -set up Automatic, automatic obstacle avoidance, flying feight, Spray mode, flight line spacing * Camera Technology - FPV Camera * Dimension -Folded Size (635*666*490mm / 640*670*560mm / 945*848*500mm / 1073*956*546mm) Respectively * Power -0-10 Mtr/ second * Color - Blue * Features - Fully waterproof fuselage The fuselage adopts the integrated waterproof design except battery & moto * Weight - 3-6 Kg.

		<ul style="list-style-type: none"> * Spray Speed - 1000 -2400 Sqm / min. * Wheelbase - Wheelbase (1393mm / 1400mm / 1628 mm) Respectively * Camera Sensor - FPV Camera + Image Transmission * Flight Time -10-15 minutes with payload * Noise Levels -63.6 dB * Open Source OpenWrt System * Managed by Web GUI, SSH via LAN or WiFi * Emulates 49 x LoRa demodulators * LoRaWAN Multichannel Gateway * 10 Programmable parallel demodulation paths <p>Technical Specificaiton :</p> <ul style="list-style-type: none"> * Rotor - 4 * Hovering accuracy horizontal - +/- 1.5m * Hovering accuracy vertical- +/- 0.5m * Wind resistance- 4-5 * Motor - 4*100KV * Electronic Speed control- 80A * Motor applicable temperature- 20-50 * Foldable Propeller - 3090 * Pesticide Tank- 10L * Take -off Capacity- 28Kg * Flying Time (with payload)- 10-15 min * Working distance - 5000m * Flying Speed - 10m/s * Spray Width- 3-3.5m * 1 x SX1308 / 2 x 1257 LoRa Transceiver * Max Output Power - 20dBm * Sensitivity - -140dBm * 10M/100M RJ45 Ports x 1 * 1 x 2.4G WiFi (802.11 bgn) * 1 x USB host port * Power Input - 5v,2A
4	ARM based IoT Gateways IoT Server	<p>ARM based IoT Gateways IoT Server</p> <p>Product Category: Development Boards & Kits - ARM</p> <p>Series: LS1021A</p> <p>Product: Reference Design Boards</p> <p>Core: ARM Cortex A7</p> <p>Tool Is For Evaluation Of: LS1021A</p> <p>Interface Type: HDMI</p>

Signature
10/09/2024

Board Chairman
Siddaganga Incubation Foundation
Tumkur - 572103