



National Institute of Technology, Durgapur

Department of Computer Applications
M.G. Avenue, Durgapur, WB- 713209.

BID REFERENCE: NITD/CA/RIG/SS/2016/Re/3

Date - 02-09-2016

To

Dear Sir,

SUB : Procurement of “Communication Devices/Peripherals” under the RIG of “**Dr. Sujoy Saha, Assistant Professor, Department of Computer Applications**” (Approval No. NITD/Regis/OR/FC/33/2016/dated 22nd Feb,2016) as specified in **Annexure-II**.

You are invited to submit your most competitive quotation for the listed items as per **Annexure-II**. Price bid form as per **Annexure-I** must be filled with complete numerical values.

1. Bid Price (Annexure-I)

- a. The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
- b. All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price **F.O.R. NIT Durgapur**.
- c. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d. The bid price must be quoted in **Indian Rupees**.

2. Each bidder shall submit only one quotation for each item.

3. The bid submitted by the bidder must comprise the following:

- i. Detailed technical specifications, conforming to the given specifications (vide Annexure – I), and literature /drawings /manuals of the Items/services to be supplied
- ii. Warranty period
- iii. Valid sales-tax / VAT clearance certificate
- iv. Price bid as per Annexure-I

4. Validity of Quotation

- a. Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

5. Evaluation of Quotations

- a. The Purchaser will evaluate and compare the quotations based on all of the items and determined to be substantially responsive i.e.
 - i. which are properly signed and
 - ii. conform to the terms and conditions, and specifications.
 - iii. Quoted all items.

6. Award of contract

- a. The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive, technologically acceptable 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 bidding process and reject all quotations at any time prior to the award of contract.

- c. The bidder whose bid is accepted will be notified of the award of contract 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. Delivery shall be made at **Department of Computer Applications, NIT, Durgapur**
8. Payment shall be made immediately within 30 days after satisfactory installation, commissioning and acceptance of the Item.
9. Comprehensive onsite warranty shall be applicable to the supplied Items (wherever applicable) for a period of minimum **12 months** from the date of installation.
10. The Institute is **exempted from payment of custom and excise duty** on items mentioned below:
1. Scientific and technical instruments, apparatus, equipment (including computers)
 2. Accessories, spare parts and consumables thereof
 3. Computer software, CD-ROM, recorded magnetic tapes, microfilms, and microchips.
11. **Liquidated Damage** will be applicable at the rate of 0.5% per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10%.
12. Settlement of any dispute will be made under the jurisdiction of Durgapur Court.
13. You are requested to provide your offer latest by **03.00 PM on September 20, 2016. Bid opening will be on the same day at 4:00 PM.**
14. The bid document must be signed and sealed and enclosed with the bid as a token of acceptance of all terms and conditions in the bid document by the bidder.
15. The items must be delivered within **60 days** from the date of placement of purchase order at the respective department.
16. All other terms and conditions of GFR 2005 of the Government of India will be application.

I look forward to receiving your quotations and thank you for your interest in this project.

The bid must be addressed to:

(Dr. Sujoy Saha)
Department of Computer Applications
NIT, Durgapur -713209, W.B.

Annexure – I**PRICE BID**

1	2	3	4		5	6	7	8
Sl. No	Name of the Item	Quantit y & Unit	Price for each unit		Unit Price (a)+(b)	Sales tax/ VAT & other taxes payable [admiss ible only on col. 4(a)]	Total Unit Price (5)+(6)	Total Unit Price (in words)
			Ex- factor/ ex- warehous e/ ex- showroo m/ off the shelf (a)	Incidental Services (b)				

Annexure – II

(Communication)

SI No.	Device Name	Specification	Total No
1	Microcontroller with SD Card	Operating Voltage: 3.3V, Recommended Input Voltage: 7-12V, Min-Max Input Voltage: 6-20V, Digital I/O Pins: 54 (of which 12 provide PWM output), Analog Input Pins: 12, Analog Outputs Pins: 2, Total DC Output Current on all I/O lines: 130 mA, DC Current for 3.3V Pin: 800 mA, DC Current for 5V Pin: 800 mA, Flash Memory: 512 KB all available for the user applications, SRAM: 96 KB (two banks: 64KB and 32KB), Clock Speed: 84 MHz	2
2	Microcomputer with SD Card	Octa core 1.4GHz Powerful CPU. 2 GB LPDDR3 memory. 8 GB eMMC storage or higher WiFi & Bluetooth onboard.	3
3	Enclosure	Weather proof	3
4	IMU	Absolute Orientation (Euler Vector, 100Hz) Three axis orientation data based on a 360° sphere Absolute Orientation (Quaternion, 100Hz) Four point quaternion output for more accurate data manipulation Angular Velocity Vector (100Hz) Three axis of 'rotation speed' in rad/s Acceleration Vector (100Hz) Three axis of acceleration (gravity + linear motion) in m/s ² Magnetic Field Strength Vector (20Hz) Three axis of magnetic field sensing in micro Tesla (uT) Linear Acceleration Vector (100Hz) Three axis of linear acceleration data (acceleration minus gravity) in m/s ² Gravity Vector (100Hz) Three axis of gravitational acceleration (minus any movement) in m/s ² Temperature (1Hz) Ambient temperature in degrees celsius	3
5	Cable, PCB Board for sensor	Sensor Interface PCB Board	3
6	Sound Sensor	+2.4V to +5.5V Supply Voltage Operation Versions with 5nA Complete Shutdown Available (MAX4467/MAX4468) Excellent Power-Supply Rejection Ratio: 112dB Excellent Common-Mode Rejection Ratio: 126dB High AVOL: 125dB (RL = 100kΩ) Rail-to-Rail Outputs Low 24μA Quiescent Supply Current Gain Bandwidth Product: 200kHz (MAX4465/MAX4467/MAX4469) 600kHz AV ≥ 5 (MAX4466/MAX4468) Available in Space-Saving Packages 5-Pin SC70 (MAX4465/MAX4466) 8-Pin SOT23 (MAX4467/MAX4468/MAX4469)	6
7	GPS with antenna, SMA connector	GPS with antenna, SMA connector	3
8	Converter, Charger for Sensor board	Converter, charger (12 V to 6V)	3