

GOVT. COLLEGE OF ENGINEERING AND RESEARCH, AWASARI

Awasari(Khurd) Tal: Ambegaon, Dist.Pune-412 405

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No. GCOEARA/Store/2017-18/ 4056

Date:

20 NOV 2017

To,
HOD- Computer Engineering for display on College Website

Subject : Quotation for supply of Equipments (e-Yantra Lab.)

Please send your quotation for the following items on the terms and conditions listed below, mentioning our reference letter number, date and due date of quotation on your sealed envelop, on or before **4.11.2017** at 03.00 P.M.

Sr.No.	Specification	Qty.	Unit
1	Firebird V LPC 2148 Adapter card	5	No.
2	Zig-Bee wireless module for robot	10	No.
3	Zig-Bee wireless module Adapter	5	No.
Detail scope of supply is as per enclosed sheet			

Terms & Conditons

- 1 Taxes – Inclusive / if extra clearly mention the percentage.
- 2 Delivery period –
- 3 Payment Terms –
- 4 Quotation Validity –
- 5 Warranty -
- 6 Guaranty-
- 7 Delivery Charges – Free / if extra mention clearly.
- 8 The part supply and its bill will strictly not be entertained.
- 9 If you fail to supply the stores within the specified period, the order will be treated at cancelled without any information.
- 10 The material will be accepted subject at approval(after inspection of the material),If rejected it will be returned to you at your cost.
- 11 The material to be supplied should be strictly according to the specification only.
- 12 Octroi is not applicable since Institute is located in Gram Panchayat area.
- 13 Please attach copy of your shop registration certificate and **GST Registration Number** alongwith your quotation, without which your quotation will not be accepted.

(Dr. A. S. Pant)

Principal

Govt.College of Engineering & Research Awasari
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Sr.No.	Specification	Qty.
1	Firebird V LPC 2148 Adapter card	5
	<p>Specifications: Microcontroller: LPC2148 (ARM7 TDMI core) (Master) (working at 60 MHz) Two ATMEGA8 (slave) Sensor support: Five Sharp IR range sensors (GP2D30, GP2D12 and GP2Y0A02YK) Eight Analog IR proximity sensors Eight directional light intensity sensors Three white line sensors (expandable up to seven white line sensors) Battery voltage sensing Battery current sensing Locomotion: Four DC motors with PWM based velocity control and position encoder for 3 DC motors Indicators: Three position encoders LCD display in 4 bit mode Motion status indication Expansion slot: SPI, I2C, UART, 18 servo motor control pins, Communication: Onboard RS232 communication True USB 2.0 communication Wireless ZigBee communication IR remote control based on RC5 communication standard Robot configurations supported: Basic configuration Omni directional robot Insect Tank</p>	
2	Zig-Bee wireless module for robot	10
	<p>Specifications: DATA RATE : RF 250 Kbps, Serial up to 1 Mbps INDOOR/URBAN RANGE : 200 ft (60 m) OUTDOOR/RF LINE-OF-SIGHT RANGE : 4000 ft (1200 m) TRANSMIT POWER : 3.1 mW (+5 dBm) / 6.3 mW (+8 dBm)boost mode RECEIVER SENSITIVITY (1% PER) : -100 dBm / -102 dBm boost mode SERIAL DATA INTERFACE : UART, SPI CONFIGURATION METHOD : API or AT commands, local or over-the-air (OTA) FREQUENCY BAND : ISM 2.4 GHz INTERFERENCE IMMUNITY : DSSS (Direct Sequence Spread Spectrum) ADC INPUTS : 10-bit ADC inputs DIGITAL I/O : 15 ANTENNA Integrated Wire SMT: RF Pad OPERATING TEMPERATURE : -40° C to +85° C PROTOCOL : ZigBee PRO 2007, HA-Ready with support for binding/multicasting ENCRYPTION : 128-bit AES RELIABLE PACKET DELIVERY : Retries/Acknowledgements IDS : PAN ID and addresses, cluster IDs and endpoints (optional) CHANNELS : 16 channels</p>	
3	Zig-Bee wireless module Adapter	5
	<p>Model code: XBP24-AWI-001; Operating Frequency: ISM 2.4 GHz Antenna type: Wire antenna; Indoor/Urban Range up to 300 ft. (90 m); Outdoor RF line-of-sight Range up to 1600meters Interface: Serial(UART) at 1200-115200 bps; Supply Voltage: 2.8 – 3.4 V; Transmit Current (typical) 215mA (@ 3.3 V); Idle / Receive Current (typical) 55mA (@ 3.3 V); Dimensions: 0.960 in x 1.297 in (2.438 cm x 3.294 cm); Operating Temperature: -40 to 85° C (industrial)</p>	