



**UNIVERSITY INSTITUTE OF TECHNOLOGY
THE UNIVERSITY OF BURDWAN
GOLAPBAG (NORTH) : BURDWAN 713 104**

UIT/474/07

Dated 18.01.2018

Notice Inviting Quotation

Sealed quotations are invited from reputed firms /agencies/ authorized dealers for supply, installation and commissioning of components/ instruments as per given specification for Analytical Instrumentation Lab in the AEIE Dept. of University Institute of Technology, The University of Burdwan. You are requested to quote the following item as given below within 05.02.2018.

Table I

Sl. No.	Equipment	Specification	Quantity
1.	Raspberry Pi 3 Model B	Made: Raspberry Processor: Broadcom	1 No.
2.	Pi T Cobbler	Made: Adafruit GPIO Breakout A+/B+/Pi 2/Pi3	2 Nos.
3.	5 V 2 A Adapter Charger	Compatible for Raspberry Pi 2/3 With USB to microUSB cable	2 Nos.
4.	Transparent Case for RPi	For Raspberry Pi 3 Model 3	2 Nos.
5.	Arduino Uno	Processor: R3 ATmega328P With USB cable of length 1 foot. Compatible with ATmega16U2	2 Nos.
6.	Arduino Mega 2560	Processor: ATmega2560	2 Nos.
7.	Arduino Nano	V3 compatible Improved Version with USB Cable	2 Nos.
8.	Grove Pi	Capacity: 100 sensors extension connectivity Raspberry Pi and Arduino Compatible I2C Compatible	1 Pc.
9.	Air Quality Sensor	Seedstudio Grove Sensor v1.3	1 No.
10.	Micro SD Card OS installed	32 GB (SDSDQM – 032G – B35 class 4) with Noobs preinstalled	2 Nos.
11.	8 Channel Relay Module	Optocoupler based 5 V Relay Shield for ARM AVR CN Relay O/P (max): AC 250V, 10 A & DC 30V, 10 A	2 Nos.
12.	16 Channel Relay Module	Optocoupler base 12 V Relay shield Relay O/P (max): AC 250V, 10 A & DC 30V, 10 A	1 No.
13.	5 MP camera with protective case	Resolution: 5 MP; 2592x1944 pixel static images Video: 1080p30 with transparent protective case	1 No.
14.	Soldering Kit	Soldering Iron with soldering wire and paste Wattage: 60 W; Bit: 5X of different shapes with pencil tip. Capable of adjusting temperature.	2 Nos.
15.	Multi meter	Digital LCD Display AC DC Parameters measuring capability	1 No.
16.	3.3 V & 5 V Power Supply Module	MB102 Bread Board based; Input Voltage: 6.5 V – 12 V or USB power supply; Max Current: 70 mA Switching between: 0 V, 3.3 V & 5 V.	2 Nos.

Table II

Sl. No.	Sensor for	Sensor Specification & No.	Quantity
1.	ADC Module	MCP 3008 16 Bit ADS1115	2 Nos. 2 Nos.
2.	Real Time Clock	DS3231 DS1307	2 Nos. 2 Nos.
3.	Wireless Transceiver	NRF24L01	2 Nos.
4.	Wi – Fi Transceiver	ESP8266	2 Nos.
5.	I2C SI Board for LCD	0X20 – 0X27 I2 C address; Supply Voltage: 5V; Backlight & Contrast Adjustable	1 No.
6.	Temperature	i) DHT22 Module	2 Nos.

Sl. No.	Sensor for	Sensor Specification & No.	Quantity
		ii) LM 35 iii) DS18B20 – Digital Sensor iv) AM2315 Encased I2C Module	2 Nos. 2 Nos. 1 No.
7.	Humidity	HTU21D – Digital Output	1 No.
8.	Pressure	i) BM085 ii) BM280 iii) MPX4115a	1 No. 1 No. 1 No.
9.	Lux	MAX44009	2 Nos.
10.	Light Intensity	i) BH1750 ii) TSL2561	2 Nos. 1 No.
11.	Acceleration	i) ADXL335 ii) GY 521 MPU6050	2 Nos. 2 Nos.
12.	Gas Sensor	i) MQ7 – Carbon Monoxide ii) MQ135 – XO x gases	2 Nos. 2 Nos.

Table III

Sl. No.	Item	Specifications	Quantity
1.	LCD Display	7 inch Touchscreen – Finger Capacitive Touch;	1 No.
2.	Digital Screen	10.1 inch screen size, Compatible for Raspberry Pi, Pcdduino&Cibieboard, Resolution: 1280x800; Plug & Play LCD screen	1 No.

Table IV

Sl. No.	Item	Specification	Quantity
1.	Solar Panel	Rating: 12 V 100 W Material: Polycrystalline IP 65 rated junction box MC4 Male/Female Connectors	1 No.
2.	Charge Controller	System Rating: 20 A @12 V, 24 V Panel Support: 800 W Power Connection: 30 A Terminal block	1 No.
3.	Battery	12 V deep cycle; 100 Ah.	2 Nos.

Terms and conditions are mentioned below:

Time and date of submission of quotations	:	Before 2.00 pm on 05.02.2018
Time of completion of supply	:	Within three week from the date of work order
Payment terms	:	Payment will be made after delivery, installation and successfully commissioning of the items.
Photocopies of VAT Registration, Trade Licence, PT certificate and distributor/ dealer authorization certificate, etc. if any must be submitted along with the quotation. The price to be quoted inclusive of all taxes if payable.		
Quotation should be sent in sealed cover super scribing the letter number with due date.		

Teacher-in-Charge, UIT, BU