Tender No. : AKCSIT/ADMN/54/2017-18

Date: 20/02/2018

TENDER NOTICE

Vendors enlisted by University of Calcutta are hereby requested to send their quotations for the following items under the project titled "Open Hardware Based Communicable Digital Bio-Sensing Platform" funded by Ministry of Information Technology, Government of India in sealed envelope within seven (7) days from the date of announcement of this tender to The Director, A.K.Choudhury School of Information Technology, University of Calcutta,JD-2, Sector –III, Salt Lake, Kolkata –700106

Sl. No.	Hardware	Quantity	Description	Utility
1	Arduino DUE(D)	2	32-bit ARM core microcontroller	ADC 16 Bits
2	Arduino Nano(D)	1	Prototyping experiments	Identical to Arduino Duemilanove minus DC power jack
3	Raspberry Pi 3+Monitor+Key	1	ADC,DAC,Node	A model for hardware based pedagogy
4	Beggale Bone(T)	-	-	-
5	Node MCU(T/D)	4	NodeMCU is an open source IoT platform	Device to Cloud Communication using wifi and message passing mode
6	X bee Module(D)	1	point-to-point and star communications at over-the-air baud rates of 250 kbit/s	do
7	SIM 900(D)	1	SIM900 delivers GSM/GPRS 850/900/1800/1900MHz performance for voice, SMS, Data, and Fax in a small form factor and with low power consumption	do
8	Micro SD Card module(T/D)	2	For local data acquisition and experimental result storage	do
9	Imepedance (Converter)(D)	2	Impedance Analysor	Impedance Analysis of Bio samples
10	Bread Board (840 point)(D/T)	5 pcs	-	Prototyping Experiments
11	+Bread Board (400	5 pcs	-	do
12	+Bread Board (170	10 pcs	-	do
13	Tool Box	1	-	-
14	Light Intenisty	5	Prototyping Experiments	-
15	Discrete Components(D)	-	do	-
16	pH Sensor	1	do	-
17	Power Supply (SMPS)+12v/ -12 v	2pcs	do	-
18	Mobile Power Bank (10500 mAh)(D)	1	Power Source in Remote Areas	-
19	MCP 4822 DAC (D)	3	-	Sensor Fabrication
20	TLV 4110 (OpAmp)(D)	1	-	do
21	AD5933 (D)	1	-	do
22	Voltage Stabilizer(D)/UPS	3	Running Spectrophotometer and Microscope	-
23	Wi Fi Prortable Router with SIM(T/D)	1 Year	-	-
24	Opamps	Mutiple	Minitarized Cyclic Voltametry	-
25	Dragonboard 410c	1	-	IoT cum sensing platform compatible with Arduino
26	Semiconductor Powder TiO2,BN,MoS2,Other Consumable(D)	100 gm Each	Consumable	-
27	Spin-Coater(D)	1	Functionalizing Electrode Device	-
28	Power Supply (SMPS)+12v	2pcs	do	-

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DESCRIPTIONS

Desktop Computer: 1 Nos.

MotherBoard: Asus H110M-D - 6th Generation DDR4 MotherBoard. (LGA1151, DDR4 2133Mhz,
Parallel + Com + VGA + HDMI Ports, MicroATX Board).
RAM: SK Hynix 4GB 1Rx8 PC4-17000 DDR4-2133 1.2volt CL15 260 Pin Sodimm Memory p/n HMA451S6AFR8N-TF
CPU: Intel Core i5 (7500) Processor**(7400)**
HDD: Seagate hard disk 1tb
HDD: Seagate hard disk 2tb
Wi-Fi: USB D-Link Lan adopter
Cabinet with SMPS
DVD Drive
Logitech Keuboard & Mousr
Monitor: Dell 18" Monitor HDMI supported
UPS: Numeric Digital 725VA UPS
Pre-Installed Windows OS and Anti-Virus

Laptop Computer : I Nos
HP AY546 15.6-inch Laptop (Core i5 6th Gen/8GB/1TB/DOS/2GB Graphics).

Expression of Interest Notification

Expression of Interest is requested by University of Calcutta from the interested parties for the Selection of Agency as Training and Outreach Partner under the project titled "Open Hardware Based Communicable Digital Bio-Sensing Platform" funded by Ministry of Information Technology, Government of India in sealed envelope within seven (7) days from the date of announcement of this notification to The Director, A.K.Choudhury School of Information Technology, University of Calcutta,JD-2, Sector –III, Salt Lake, Kolkata –700106

Last date for submission: 7days from the date of Release of EOI

Scope of work :

The focus of work proposed to be taken up by the Agency include :

- To conduct 3 training programmes with a schedule of 3 months each in one year. The training would be on the subjects relevant to the project.

- To organize 2 outreach programmes in one year; one with the fishery dept/fishermen and another with food processing units/ farmers.

- To conduct 2 health domain expert meetings in one year consisting of 8 experts in each meeting

- Publish 3 e-news letters in a duration of one year.

Eligibility Criteria :

- Not –for-profit organization who can facilitate the training programme.
- Preferably a registered society set up by Govt. with atleast 15 years of existence having MOU with the University relevant to execution of projects.
- Have the experience of conducting training programmes certified by University
- Having experience of being the Resource Partner of Nationally Acclaimed Technological Institutions

- Having experience to conduct training and outreach programmes funded by DeitY
- Clear organizational profile with an experienced team of community development specialists, planning, technical and domain expertise in two domains – Agriculture and health.

Financial Aspects:

University of Calcutta will pay the Agency the following :

- A monthly institutional cost towards utilizing the infrastructural facility of the agency as the partner for Training and Outreach programmes and its support staff.

- The actual cost for the resource person for the following programmes will be borne by the University :

  - ✓ 3 training programmes for a duration of 3 months each in a year relevant to the project.
  - ✓ Organizing 2 Health Domain expert meetings in one year
  - ✓ Organizing 2 outreach programmes in one year.
  - ✓ Publication of 3 e-newsletters in one year

Agencies have to submit their profile and a detailed planning to execute the Training and Outreach programmes mentioned above.

Dr. Amlan Chakrabarti
Dean, *Faculty of Engineering and Technology*