College of Agricultural Information Technology
Anand Agricultural University, Anand

Tender Notice

Principal, College of AIT, AAU, Anand invites sealed quotations for purchase of "**Wireless Sensor Network Module with Accessories".**

Tender forms and details are available on our website www.aau.in. A Non-Refundable tender fee of Rs. 1500/- in the form of DD favoring "AAU Fund Account" should accompany with filled tender.

Last date for submission of filled Tender (by RPAD/Speed post only) is:07-02-2018.

Dt. : 18 /01/2018	**Principal**
Place : Anand	**CAIT, AAU, Anand**

Tender No:		Signature:		Date of Issue:	

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TENDER FORM

for
Wireless Sensor Network Module with Accessories
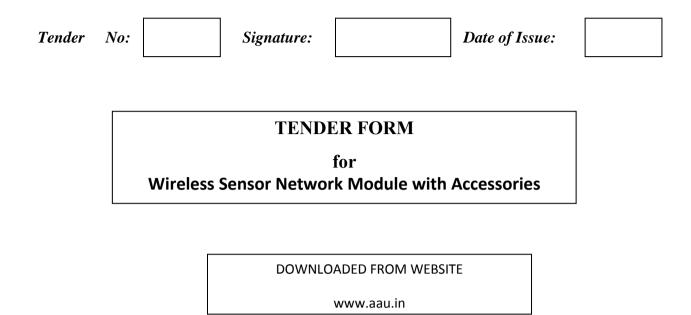
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Last date of tender submission to reach the office through speed post/registered post

07-02-2018

NOTE

Payment of Rs. 1500/- by cash or DD drawn in favour of "AAU Fund A/C", payable at Anand as tender fees should accompany the filled tender otherwise the tender form shall be treated as incomplete and cancelled.

PRINCIPAL AND DEAN
COLLEGE OF AGRICULTURAL INFORMATION TECHNOLOGY
ANAND AGRICULTURAL UNIVERSITY, ANAND - 388 110 (GUJARAT)

Tel.: (02692) 263124

e-mail: deanait@aau.in

Terms and Conditions:

- The quotation must be in Indian rupees and rates quoted **(price for one set with accessories)** should be **inclusive of all applicable Taxes and F.O.R. at Anand at our college inclusive of packaging, forwarding, freight & insurance, installation, commissioning and demonstration by technical team at our site.**

- *Do not mention separate price for module and accessories.*

- Concessions, if any, for educational institutions.

- If GST is required to be indicated separately then it is necessary to indicate the rate of GST on the item quoted.

- Validity of the quotation should be **120** clear days from the last date of receipt of the quotation.

- **Payment shall be made only after satisfactory supply/installation and demonstration. No advance or part payment or payment through bank can be entertained.**

- Tender forms only from original manufacturers/their authorized dealers/stockiest who are in the concerned field will be considered, along with the said certificate.

- The credentials of the party, list of customers and complete illustrated literature should be enclosed with the tender form. The firm should be ready for pre inspection of the item and its performance, if necessary.

- Tenderers will have to attach original color catalogue of the each quoted product ensuring exact specifications.

- In case of defective items, the same shall have to be replaced by the party concerned at its own cost, and risk, and within stipulated time.

- The Earnest Money Deposit Rs.9000/- (EMD) in the form of account payee Demand Draft in the name of "AAU Fund Account" payable at Anand, shall have to be accompanied with the filled Tender Forms. Tender submitted without EMD shall not be considered. The deposit shall be forfeited if the party in any case is not able to supply the ordered goods in stipulated period and at the rates approved.

- The party whose tender will be approved will be required to pay security deposit @5% of the invoice value in form of **DD in favour of "AAU Fund Account"**. This money will remain deposited in university till warranty period is over.

- Duly filled tender forms in sealed envelopes through **registered post/speed post only** should reach the office of the **Principal, College of Agricultural Information Technology, Anand Agricultural University, Anand- 388 110, (Gujarat) before 17.00 h on 07-02-2018**

- Please super scribe the envelope, **"TENDER DOCUMENTS FOR Wireless Sensor Network Module with Accessories: College of A.I.T.,AAU, Anand-388110 "** and mention clearly senders' name and address.

- The PRINCIPAL shall be empowered to reject any one or all the tenders without giving any reason for doing the same. This shall not be challengeable in the Court.

- Parties may be called for Technical discussion and price negotiation, if required.

- In case of disputes, decision of Vice Chancellor, Anand Agricultural University, Anand will be final and acceptable to all the parties.

- **Name of supplier / firm** :

- **Complete postal address** :

- **Telephone Number** :

- **FAX Number (if any)** :

- **e-mail address (if any)** :

- **Details of Tender fee** :

        D.D.Number :   **Bank's Name** :

        Amount : **Rs. 1500/-**   **Date** :

- **Details of EMD** :

        D.D.Number :   **Bank's Name** :

        Amount : **Rs.9000/-**   **Date** :

- **GST No.** :

- **Any other details** :

We agree to abide by the terms and conditions of supply mentioned in this tender document

Signature of Tenderer

(With Stamp, Name, Designation and date)

Lowest competitive rates are hereby invited for purchase of Wireless Sensor Network Module with Accessories with following specifications

EMD Rs.9000/-

Sr. No.	Specification and other details of items to be purchased		Quantity Required
1	**Wireless Sensor Network Module with Accessories:**		01
	Technical Specification		
	Processor	64bit ARMv7 Quad Core Processor 1.2GHz	
	Connectivity	802.11/b/g/n Wireless LAN Bluetooth 4.1, Zigbee, USB & Ethernet	
	RAM	1GB	
	Memory	16GB(upgradable)	
	OS	Linux	
	Ethernet	10/100 Base Ethernet socket	
	Video Output	HDMI and Composite RCA	
	Audio Output	Audio Output 3.5mm jack	
	USB	4 nos.	
	Camera	15-pin MIPI Camera Serial Interface	
	Memory Card	Push/Pull Micro	
	LCD	Color TFT LCD	
	Motor Driver	Stepper and DC Motor	
	Analog Input	8 nos.	
	Relay Output	4 nos.	
	Buzzer Output	1 no.	
	Zigbee Frequency	2.4 GHz	
	Power	5V, 2A	
	Wireless Sensor Node		
	Analog Input	6 nos.	
	Digital Output	4 nos.	
	12C channel	1 no.	
	Communication	Zigbee 2.4 GHz	
	PC Interface	USB	
	Charging	USB and Solar Panel	
	Battery	3.7V / 4400mAH	
	Solar Penal	6W	
	Included Sensor		
	SS150 Temperature and Humidity	2 nos.	
	SS151 Air Quality Sensor	2 nos.	
	SS152 Soil Moisture	2 nos.	
	SS153 Ambient Light Sensor	2 nos.	
	SS154 Soil / Water temperature	2 nos.	
	SS155 PIR Sensor	2 nos.	

	Optional		
	GSM IoT Gateway	Quad-Band 850/900/1900 MHz	
		GPRS multi-slot class 10/8	
		GPRS mobile station class B	
		Compliant to GSM phase 2/2+	
		Class 4 (2 W @850 / 900 MHz)	
		Class 1 (1W @ 1800 / 1900MHz)	
		Control via AT commands	
		SIM application toolkit	
		Supply voltage range : 3.2… 4.8V	
		GPRS class 10: max. 85.6kbps (downlink)	
		Embedded TCP/UDP protocol	

Wireless Sensor Network Builder / IoT Setups

	Features	
A	**IoT Builder-Development Platform**	Yes
	4 Channel ADC for Voltages	Yes
	1 Channel For Resistance Input	Yes
	1 Channel 4-20ma Input	Yes
	8 Nos.LED	Yes
	TFT Color LCD	Yes
	GSM Modem (SIM Not Included)	Optional
	Motor Driver Circuit	Yes
	Serial to USB Circuit	Yes
	Wi-Fi Connectivity for IoT Gateway	Yes
	Ethernet Connectivity for IoT Gateway	Yes
	Bluetooth Connectivity	Yes
	12C Interface	Yes
	SPI Interface	Yes
	RS485 Interface	Yes
	Stepper Motor	1
	On board Zigbee Coordinator	1
B	**Wireless Sensor Node (End/Router Device)**	5 nos.
	Analog Input	20 nos.
	Digital Input	10
	12C Communication	2
	IP65 Box	Yes
	IP65 Connector	No
	Solar Panel for Charging	Yes
C	**Included Sensors & Actuator (with each device)**	
	SS150 Temperature & Humidity	Yes
	SS151 Air Quality Sensor	Yes
	SS152 Soil Moisture	Yes
	SS153 Ambient Light Sensor	Yes
	SS154 Soil/Water temperature	Yes
	SS155 IPR Sensor	Yes
	SS156 Leaf wetness	Yes

		SS157 Watermark Soil Moisture	No
		SS158 Water Conductivity	No
		SS159 Alcohol Sensor	No
		SS160 Dust sensor	Yes
		SS161 Anemometer + wind + pluviometer	No
		Relay	Yes
		Buzzer Board	Yes
	D	**Essential item**	
		HDMI or VEA Monitor	No
		USB Mouse	Yes
		USB Key Board	Yes
		USB HUB	Yes
		HDMI to VGA Convertor	Yes
	E	**Other item**	
		Bluetooth	Yes
		Camera Module	Yes
		RS485 Kit	Yes
		Android Tablet	Optional
	F	**Cloud Server**	
		Static IP	Optional