

DAYALBAGH EDUCATIONAL INSTITUTE
DAYALBAGH, AGRA-282005

Notice Inviting tenders

Limited tender No: DEI/Science/Botany/PKD/2016-17/TDR-64

Date: 04.03.2017

Sealed limited tenders are invited from the Manufacturers/ Suppliers/Authorized dealers/ agencies for the supply and installation of the following-

SINo	Item	Quantity
1	Smart Lab sensors Precision Agriculture Sensors	01 package 01 package

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs.10,000/-** by way of demand drafts/banker's cheque/FDRs which is refundable and a non-refundable tender fee for an amount of **Rs. 200/- (Rupees two hundred only)** by Demand draft. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid documents, super-scribed with tender number, due date of submission on the envelop and addressed to :

"The Registrar
Dayalbagh Educational Institute,
Dayalbagh, Agra – 282005,
Uttar Pradesh"

Note: Central Purchase Organization, Small Scale Industries/ National Small Scale Industries Corporation shall be exempted from payment of Earnest Money Deposit. Tenderer seeking exemption should enclose a self attested photocopy of valid registration certificate with NSIC.

(The Earnest Money will be liable to be forfeited if quotation is not honored or if contract is not signed with the Institute, after the award is made to the Tenderer)

1. Time and last date of submission of the Bid: 11.00 pm on 14.03.2017
2. Time of Bid Opening: 11.30 pm on 14.03.2017
3. Venue of Bid Opening: Conference Hall , CAO, Dayalbagh Educational Institute in the presence of bidders who want to be present at the time of opening of bid..

Interested bidders may post (at the above address) or put the tender documents completed in all respect and other requisite documents in the tender box kept in the General Section, CAO, Dayalbagh Educational Institute, Dayalbagh, Agra- 282005. The bidders are also informed that they may come personally or send their representative to be present at the time of opening of bid. Please note that tender box shall be opened at the time mentioned above irrespective of whether bidders himself or any of their representative are present or not. The tenders shall not be entertained after this deadline under any circumstances what so ever. For more details please visit the Institute's website <http://www.dei.ac.in>.

Registrar
Dayalbagh Educational Institute
Dayalbagh, Agra-282005

Specification
Smart Lab sensors

S. No.	Item Name	Description
1	Scientech 2311WB Zigbee Gateway	<ul style="list-style-type: none"> • Zigbee and USB • Status indicators like device pair, data received, received signal strength (RSSI), battery charging • Live data table and simultaneous graph plotting of all four Sensors of particular Node. • Topology view of the Nodes connected to coordinator. • Data logging facility over MySQL database. • Analog Input: 8 nos. • Relay Output: 4 nos. • Buzzer Output: 1 no. • Zigbee Frequency : 2.4GHz • Analog Inputs: 6 nos. • Digital Outputs: 4 nos. • I2C channel: 1no. • Communication: Zigbee 2.4GHz • Charging: USB or Solar Panel • Battery: 3.7V/4400mAH • Solar Panel: 6W
2	Scientech 6205N Sensor Node (set of Three)	
3	Temperature sensor	
4	Humidity sensor	
5	Carbon dioxide(CO2) sensor	
6	Barometer for transpiration	
7	VOC (Volatile organic compounds) sensor	
8	Conductivity sensor with calibration kit	
9	Continuous pH sensor with calibration kit	
10	Leaf wetness	
11	Atmospheric Pressure	

Specification

Precision Agriculture Sensors

1	Scientech 6205IN	<ul style="list-style-type: none">• Processor : 64bit ARMv7 Quad Core Processor 1.2GHz• Connectivity : 802.11 b/g/n Wireless LAN, Bluetooth 4.1, Zigbee, RS485,USB & Ethernet• RAM : 1GB,Memory : 16GB• OS : Linux• 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 : 2.4GHz• Analog Inputs: 6 nos.• Digital Outputs: 4 nos.• I2C channel: 1no.• Communication: Zigbee 2.4GHz• Charging: USB or Solar Panel• Battery: 3.7V/4400mAH• Solar Panel: 6W
2	Sensor Node (set of Three)	
3	Temperature sensor	
4	Humidity sensor	
5	Soil moisture	
6	Soil temperature (pt100)	
7	Weather Station(wind speed, wind direction and Rain Gauge)	
8	Carbon dioxide(CO2) sensor	
9	NO2 sensor (Nitrogen dioxide)	
10	NH3 sensor (Ammonia)	
11	VOC (Volatile organic compounds)sensor	
12	Leaf wetness	
13	Atmospheric pressure	
14	Motion sensor with zigbee (for tree protection. Set of 4)	
15	loud siren	
16	Solar radiation sensor	
17	Dissolved oxygen (DO) sensor	
18	Oxygen sensor	
19	Analog UV Sensor	
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General Terms & Conditions

Note: Bidders must submit the following primary information/documents with the quotation. Bidders will have to indicate these particulars in their quote failing which the offer may be rejected. Please do produce the related documents whenever required by the Institute.

1. Trade License/Company Registration No.
2. VAT / Service Tax Regn. No.
3. Income Tax PAN No.
4. Firm's Bank A/c details
5. Bidders are requested to quote rate(s) per unit(s) only in the recognized Accounting units otherwise your quotation will not be accepted.
6. Cost of items shall include installation, support and troubleshooting.
7. Warranty and Support: for Hardware and Software should be explicitly mentioned.
8. Bidders should be OEM/Authorized partner/Authorized dealer of OEM.
9. Bidders should quote rates as per details/specifications mentioned in notice inviting Tender. The Institute reserves the right to place order for each job to single/separate vendor(s) if necessary.
10. Bidders should quote rates on FOR/Free Delivery at the sites specified in the Notice inviting Tender, inclusive of all charges else should mention estimated cost of packing, forwarding, insurance and freight by Rail/Road/Post etc. as the case may be.
11. Bidders must indicate if their rate is inclusive of VAT/Sales Tax and /or Excise Duty.
12. In case opening date of Tender happens to be holiday, tender will be received and opened on the next working day at the same time and same place. Quotation received after the closing date will not be entertained and revision in the price will render the bid invalid. Quotation should indicate clearly the period of Validity, preferably not less than 45 days.
13. In case of an offer for items having multiple options, you should clearly indicate item-specific price(s). Please quote separate item-wise rate(s), when quotation has been asked for so. For every offer, packing and forwarding charges, Sales/VAT/Service Tax etc. should be shown separately.
14. Bids will be evaluated after equated comparison of offers upon calculating all tax/duty/cess/surcharge/discount/packing/transportation costs, other charges with price and non-compliance of technical and commercial terms will render a bid liable for rejection.
15. Bidders will have to submit Bills/Invoices on dispatch of stores, if ordered, to this office in triplicate duly pre-receipted (and stamped for amount over Rs. 5000/-) and supported by the relevant delivery documents for audit and payment directly in your bank account through RTGS/NEFT. Generally, payments can be expected within one month and are made against acceptance of supplies/ jobs completed and in deserving cases, against shipment documents.
16. No insurance charges are allowed unless otherwise specified and agreed to by us. In the absence of any specific instructions, it will be the responsibility of the supplier to ensure a consignment against transit risk at his own expense if he so desires.
17. The Institute is not bound to accept the lowest rate or any other offer and the acceptance of the offer is entirely at the discretion of the Committee.
18. All purchases are subject to the approval of the Governing Body of the Institute.

19. The Institute reserves the right to select certain items in single or multiple units and reject the others or all as mentioned in the schedule and to revise or alter the specifications before acceptance of any tender and accept or reject any or all tenders, wholly or partly or close the tender without assigning any reason whatsoever.
20. The Bidder shall be required to submit the amount of Earnest Money Deposit (EMD) mentioned in the Notice Inviting Tender which is refundable and a non-refundable tender fee for an amount of **Rs 200/-** (Rupees two hundred only) by way of demand drafts/banker's cheque/FDRs. The demand drafts shall be drawn in favour of "Registrar, Dayalbagh Educational Institute, Agra" payable at Agra. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid.
- a.) The firm(s) that are registered with the National Small Industries Corporation (NSIC) / or Small Scale Industries (SSI) are exempted from furnishing the EMD. Self-attested photocopy of the valid registration certificate must be enclosed with their bid.
 - b.) The demand drafts for EMD & tender fee must be enclosed in the envelope containing the technical/price bid and super-scribed with tender number and date of submission on it. Any technical/price bid is found without the demand drafts of EMD and tender fee will be rejected. The Institute will not be liable to pay any interest on such an amount. The EMD shall be forfeited, if the Bidder withdraws its bid during the period of validity of Tender.
21. Arbitration and Laws: In case of any dispute or difference arising out of or in connection with the tender conditions / order and Contract, the Institute and the Supplier will address the dispute / difference for amutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute. The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Agra only. The resolution of the Arbitrator shall be final and binding on both the parties.
22. Jurisdiction: The courts at Agra alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this tender /contract. It is specifically agreed that no court outside and other than Agra court shall have jurisdiction in the matter.

Registrar, DEI