



DAYALBAGH EDUCATIONAL INSTITUTE
DAYALBAGH, AGRA-282005

Notice Inviting tenders

Limited tender No:-DEI-Engg-Elect-GPR-TDR-31

Date: 16.02.2016

Sealed tenders are invited from the Manufacturers/ Suppliers/Authorized dealers/ agencies for the supply of following items as detailed below:-

S. No.	Items	Quantity
1.	Pyranometer with Data Logger	ONE

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs.4,300/-** 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 Cash or Demand draft. 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 documents 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. Tenderers 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 am on 8.03.2016
2. Time of Bid Opening: 11.30 am on 8.03.2016
3. Venue of Bid Opening: Conference Hall , CAO, Dayalbagh Educational Institute.

Interested Suppliers/Authorized dealers may put the tender document complete in all respect and other requisite documents in the tender box kept in the General Section, CAO, Dayalbagh Educational Institute, Dayalbagh, Agra- 282005. The tenders shall not be entertained after this deadline under any circumstances whatsoever. For more details please visit Institute's website <http://www.dei.ac.in>.

**Registrar
Dayalbagh Educational Institute**

SPECIFICATIONS OF PYRANOMETER

1. Secondary standard Pyranometer with heater
2. Make: Hukseflux
3. Model: SR20-t1
4. Technical Specifications: as per specifications for above mentioned Make (Hukseflux) and model (SR20-t1) Class: Secondary.

SPECIFICATIONS OF DATA LOGGER

1. Model which can be integrated with Pyranometer (Make: Hukse flux, Model No: SR20-t1, Secondary Class)
2. PC Interface Kit and Tripod
3. FEATURES
 - RTC with backup battery
 - High accuracy & reliability
 - Wireless transmission over GPRS
 - Very low power consumption
 - Firmware Over The Air Upgrade
 - Offline Data Storage in Micro SD Card
 - High resolution analog inputs
 - Remote configurations
4. APPLICATIONS
 - Wireless weather station
 - Remote sensors
 - Solar meteorological station
 - Wind farm weather station

PARAMETER	VALUE / DESCRIPTION
Inputs	
Counter input	2 Nos.
Analog input Range Resolution Accuracy	8 (single ended) 0-20mA, 4-20mA, 0-1V, 0-5V, (10V, 2-10V 24bit $\pm 0.1\%$ of FS
SDI-12 input	1 No. (supporting up to 10 ports)
Serial input*	RS485 or RS232
Digital input	2 Nos.
Outputs	
Digital output	2 Nos.
Serial output*	RS232 or RS485
Communication	
Network type	Quad-Band GSM
Frequency band	850/900/1800/1900 MHz
Data rate	85.6 Kbps upload and 42.8Kbps download
Data security	AES (128 bit)
Indication	LED indication for power LED indication for network health

	LCD for data display and settings
Micro-processor	32 bit
Display	Graphic LCD display 128 x 64 resolution
User input	Keypad
Timer	RTC with backup battery (replaceable) Accuracy: 1%
Time synchronization	Time synchronization from telecom time or server time
Storage	
Internal flash memory	2MB or higher
External flash memory	2 GB micro SD Card
Electrical	9-30 VDC
Voltage Input	
Current Consumption(excluding current consumed by sensor)	<100mA (average current in operation) < 10mA (in sleep)
Internal power	Rechargeable Li-ion batteries Capacity: 4.4 Ah
Environment	
Operating temperature	-20°C — +70°C
Storage temperature	-40°C — +80°C
Protection	IP65 or better

TERMS AND CONDITIONS

- 1) The pyranometer and the data logger are to be integrated and interfaced with PC at our site in DEI.
- 2) Purchase Orders of IITs and NITs to be submitted for same products.
- 3) Client Contact List of same products are to be submitted.
- 4) Client Testimonials for same products are to be submitted.
- 5) Original Photographs of same products are to be submitted.
- 6) Physical Demonstration of same products will be required before finalizing the Tender.

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. 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 direct to you or to your bankers. 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) Rs. **4,300/-** as 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 due 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 a mutual 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