

DAYALBAGH EDUCATIONAL INSTITUTE
DAYALBAGH, AGRA-282005

Notice Inviting Short Term tenders

Short Term Limited Tender No: DEI/Engineering/Elect(FIST)/AKS/TDR-01

Date: 06.08.2020

Sealed tenders are invited from the Approved Manufacturers/ Suppliers/Authorized dealers/ Agencies for the supply of the following:-

S. No.	Items	Quantity
1.	Weather Station with Data logging facility	01

The tenderer shall be required to submit the **Earnest Money Deposit (EMD)** for an amount of **Rs.10,000/-** (Ten Thousand Only) 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 (validity 45 days beyond final bid) for **EMD** and **Tender Fee** must be enclosed in the envelope containing the bid documents, super-scribed with tender number, due date of submission on the envelope 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 (NSIC) shall be exempted from payment of EMD. 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: 1.00 pm on 17.08.2020
2. Time of Bid Opening: 1.30 pm on 17.08.2020
3. Venue of Bid Opening: Committee Room, CAO, Dayalbagh Educational Institute.

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 whatsoever. For more details please visit the Institute's website <http://www.dei.ac.in>. or contact Prof. A.K.Saxena-9412559851.

Registrar
Dayalbagh Educational Institute

The Weather Station Components must include the facilities for the following measurements and the detailed specifications of the items are given below. The tenders must be submitted by **17thAugust, 2020** by **1.00 p.m. and will be opened on 17thAugust, 2020 at 1.30 p.m.**

1. Global Irradiance/Solar Radiation

Type: Thermopile / PV reference / Photo diode

Classification: Second Class (ISO9060)

Spectral Range: 305 to 2800 nm

Uncertainty: 10% daily

2. Wind Speed

Sensor type: Relay Reed/Cup type / solid state magnetic type

Threshold: 0.5 m/s

Range: Light breeze to 75 m/s

Uncertainty: upto $\pm 2.5\%$

3. Thermo-Hygrometer

For Air Temperature and RH% sensor

Resolution and units: 0.1 deg C or 1 deg C

Range : -50°C to 70°C

Resolution: 0.01°C

Uncertainty: 0.1°C

4. Wind Direction

Protection: IP65

Range : 0 to 360°

Uncertainty: 5°

Threshold: 0.25 m.s

5. Atmospheric Pressure

Principle: Piezoelectric

Range: 800 to 1100 hPa

Uncertainty: 0.5 hPa

Thermal Drift: $0.1 \text{ hPa}/^{\circ}\text{C}$

6. Rainfall sensor

Principle: Tipping Bucket

Diameter: 200 mm or more

Inlet Area: 324 cm²

Resolution: 0.2mm

Uncertainty: Intensity 0 to 1 mm/min $\pm 0.2 \text{ mm}$

Intensity 0 to 10 mm/min 1%

7. Dust sensor (Optional)

Measurement Range: PM1.0 (0-999ug/m³), PM2.5 (0-999ug/m³), PM10 (0-999ug/m³)

Response time: less than 1 min

Warm up time: less than 2min

8. Soil Temperature Sensor

To measure the soil penetration temperature with desired cable and sensor

9. **For Data Logger** :It should have facility to collect data from all the sensors listed above.

Number of Inputs: 12

Minimum Memory: 8 MB

Communication: RS232 or above with USB adapter

Software: Compatible with all interconnection

EMC Filters: On all inputs

Protection: IP40 with thermal and over current protection and transient voltage protection

Environmental limits: -40 ÷ 60 °C, 15 ÷ 100 % UR/RH (notcondensing)

Update interval : Less than 15min

Current data : Instant reading , 15-min, Hourly, Daily & Monthly high and low

Historical data : 15-min, Hourly reading and Daily and Monthly high and low

Should stores statistical values “min/max/average/Standard deviation” for temperature, RH%, pressure, solar irradiance and wind speed, vector averaging for wind direction (prevalent sector, average and max gust) and intensity calculation for rain.

Note: Kindly provide the price for individual sensors also in addition to the packaged weather station requested above, as we may procure an additional sensor from the above list.

Scope of Supply

- All sensors with adequate communication/power cable from the sensor to data logger
- Power may be from 220 V AC and provision from Chargeable battery with SPV panel.
- Sensor alarms wherever applicable.
- Sensor quick fix mounting /sensor console as available
- Chargers/adapters/power supply modules
- Protection Box.
- Separate Data logging system / online cloud data retrieval system
- Manuals with evaluation software license (if any)
- Installation and commissioning
- Training for our concerned staff

(a) The Complete system should be warranted for 5-years from the date of installation for any manufacturing defects.

(b) The supplier will have to provide a performance bank guarantee (PBG) for the period of one year from the date of installation.

(c) As such no advances are given to the supplier, however, advance may be given as per General Financial Rules-2019 after submitting an Advance Bank Guarantee (ABG).

Kindly address the quotations to "**Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra**" and dispatch in the properly sealed envelope at the following address or drop the tenders in the drop box kept in the Institute:

Registrar,Dayalbagh Educational Institute,Dayalbagh, Agra 282005

Also mark "**Tender for Weather Station with Data Logging Facility**" at the top of the envelope.

Further, we wish to inform you that the D.E.I. is entitled to avail the **Concessional GST** under the DSIR Scheme. We will produce the necessary certificate when required.

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. Goods / 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. Performance Security is required to be submitted by the successful bidder between 5-10% of the value of the order or contract in the form of FDR/Bank Guarantee or authorize the Institute to deduct aforesaid amount from the bills as performance security.
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 Taxes and duties, if any.
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, Taxes 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 Rs. 10,000/- (Ten Thousand) as **Earnest Money Deposit (EMD)** by way of demand drafts/banker's cheque/FDRs 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. The demand drafts shall be drawn in favour of **“Dayalbagh Educational Institute, Agra”** payable at **Agra**. The bidders may seal technical and financial bids separately and put these two sealed envelopes in a bigger envelope, super-scribed with tender number and due date of submission on it. **Bids are invited under single stage bidding system (Single Stage Single Envelop System).**
21. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the Technical 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.
22. 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.
23. 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.
24. **Customs Duty & Excise Duty:** Please note that the Dayalbagh Educational Institute, Agra, Uttar Pradesh other than Hospital is registered with the DSIR for purpose of availing Customs Duty Exemptions in terms of Notification No.51/96-CUSTOMS dated 23.7.1996, Notfn. No.47/2017-Integrated Tax (Rate) dated 14-11-2017 and Notfn. No.45/2017-Central Tax (Rate) dated 14-11-2017, Notfn. No.45/2017-Union Territory Tax (Rate) dated 14-11-2017 & Notfn. No.9/2018- Central Tax (Rate) dated 25-01-2018, Notfn. No.9/2018- Union Territory Tax (Rate) dated 25-01-2018 as amended from time to time, for research purpose only, the bidders are, however, requested to quote accordingly for relevant supplies.

Registrar, DEI