

**DAYALBAGH EDUCATIONAL INSTITUTE**  
**(Deemed to be University)**  
**DAYALBAGH, AGRA-282005**

**Short Term Notice Inviting tenders**

**Short Term Limited Tender No. DEI/USIC/SPS-AKS/2021-22/TDR-10**

**Dated 22-11-2021**

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

S. No.	Items	Quantity
1.	Battery Energy Storage System (As per specifications at Annexure- A)	01

The tenderer shall be required to submit the **Tender Fees** for an amount of **Rs. 236-**(Two hundred thirty six only) (Tender Fees Rs.200/- and GST Rs.36/-) by way of demand drafts/banker's cheque only. The demand drafts (validity of DD should be at least 45 days beyond final bid) for Tender Fee (with Mandatory information \* **Annexure-I**) must be enclosed in the envelope containing the bid documents, super-scribed with tender number, due date of submission on envelop and addressed to:

**“The Registrar**  
**Dayalbagh Educational Institute,**  
**Dayalbagh, Agra – 282005, Uttar Pradesh”**

**Note: Bidders are requested to submit a “Bid Security Declaration” in lieu of EMD (Earnest Money Deposit), accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for future or as decided by the appropriate Committee.**

**“The Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra – 282005, Uttar Pradesh”**

1. Time and last date of submission of the Bid: 1.00 pm on 02.12.2021
2. Time of Bid Opening: 1.30 pm on 02.12.2021
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 or send password protected document (file) through an email to [deiusic@dei.ac.in](mailto:deiusic@dei.ac.in). and the password will be shared by the tenderer with the competent authority of the Institute at the time of bid opening. 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. Soami Piara Satsangee - **9760230620**.

**Registrar**  
**Dayalbagh Educational Institute**

**Annexure-I**

**\* Mandatory Information on a separate sheet**

**Demand draft in favor of “Dayalbagh Educational Institute” for Rs. 236.00 Tender Fees Rs. 200/- and GST Rs.36) and the following details must be provided by the bidders:**

- (a) Name of the Company :**
- (b) Address :**
- (c) Company/Firms contact details :**  
**(Phone No., Mobile No. e-mail ect.**
- (d) GST Number :**
- (e) Name of the contact person with Phone no. :**
- (f) Tender fees : Rs.236/-**
- (g) Demand Draft No. :**
- (h) Date of Demand Draft :**
- (i) Name of the Bank :**

The Battery Energy Storage Systems must have the following specifications:

### 1. PCU (Power Conditioning Unit)

Rating in KW	12 (15KVA)
Switching Element	IGBT
Output Waveform	Pure Sine Wave
Output Nominal Voltage	415V
Output Load Regulation	±2%
Output Frequency	50 Hz ± 1%
Load Power Factor	0.6 lag to 1(within kVA and Kw rating)
Inverter Peak Efficiency	>92%
VTHD with 100% linear load	<3%
Galvanic Isolation	Inbuilt isolation transformer at inverter output
Voltage Stability in dynamic Condition	Complies with IEC/ EN 62040-3, class 1

### 2. Battery System

Type of Battery	Lithium Ion
Rated Power	12 kW (15 KVA)
Rated Energy	48kWH±3%
Rated Voltage:	240V

### 3. Battery Management System (BMS) with following monitoring parameters

S No.	Parameters	Range
1	Voltage	220-260V
2	Current	0 -69A
3	State of Charge (SoC)	0-100%

### 4. Energy Management System

Power	+ 24V DC ±15%, 9.9 W Max
Bezel	IP66 rated Keypad and Touch Screen
Operating Temperature	0 to 50° C
CPU	32-bit RISC processor
Type of LCD	TFT
Communication Ports	Two serial ports (RS232 / RS422 /RS485 levels supported)
USB Host port	Supports USB Memory drive
Programming	supports programming languages as per IEC61131 standards
Bezel dimensions	195 W x 150 H x 50 D
Power Measurements- Grid/DG/Solar	kW,kVAR,PF, Phase & Line Voltages, Current & Frequency

## 5. Protections

AC Protections	AC-Under/Over Voltages
	AC-Over Current protection
	Earth Fault protection
	Breaker Failure Protection
	Transient/Surge Protection
	Loss of Phase
	Synchronization Check Relay
DC Protections	DC-Under/Over Voltages
	DC-Over Current protection
	Ground Fault Protection
	Breaker Failure Protection
	Transient/Surge Protection
	Synchronization Check Relay

## 6. Display & Other features:-

Display parameters	Grid- Voltage, current, Power
	Inverter - Voltage, Current, Power, Frequency, % Total load
	Battery - Voltage, Current, Power, SOC
	Solar- Voltage, Current, Power
	Status- Load, Grid, Solar, Priority mode, temperature
	Fault- Last 5 fault
	System Information- System rating, Serial No., inverter and Display Software version
Led Indication	Grid, Grid Static Switch, Solar, Inverter, Inverter Static Switch, Battery, load and fault
Communication	RS485 MODBUS
Real Time Clock	Inbuilt Real Time Clock
Alarm	Faults And Warning
Configure	Modes, Parameter Settings from Display
Maintenance	Bypass Switch Available for maintenance

### Scope of Supply

- Manuals with 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. The batteries should be warranted for 10 years.

(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).

## 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 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/installation of equipment or jobs completed as per tender document 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 a non-refundable **Tender Fee** for an amount of **Rs 236/-** (Rupees two hundred thirty six only) by way of demand drafts/banker's cheque only if they are submitting bid documents in the physical form.
21. The tenderer who wish to send their bid documents through e-mails may submit **Tender Fee** for an amount of **Rs 236/-** (Rupees two hundred thirty six only) through NEFT/RTGS in Savings Bank Account No.000300009201 in the name of DAYALBAGH EDUCATIONAL INSTITUTE at Radhasoami Urban Cooperative Bank Ltd. at Dayalbagh, IFSC Code- IBKL0080RUC. **The Bidder shall be required to send an e-mail immediately after payment of Tender fees at [gstdeiagra@gmail.com](mailto:gstdeiagra@gmail.com) along with mandatory form at Annexure-I so that GST invoice can be issued.**
22. The bidders may seal technical and financial bids separately and put these two sealed envelopes in a bigger envelop, 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).**
23. The Demand draft/UTR number of tender fee remitted through NEFT/RTGS 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 **“Bid Security Declaration” in lieu of EMD**. Self-attested photocopy of the valid registration certificate must be enclosed with their bid.

**“Bid Security Declaration” in lieu of EMD & Demand Draft/UTR** number of tender fee remitted through NEFT/RTGS 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 **“Bid Security Declaration” in lieu of EMD and tender fee** will be rejected. The Institute will not be liable to pay any interest on such an amount. **Bidders are requested to submit a “Bid Security Declaration” in lieu of EMD (Earnest Money Deposit), accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for future or as decided by the appropriate Committee.**

24. 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.
25. 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.
26. **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**