

**KANNUR UNIVERSITY**  
**(PURCHASE & INVENTORY CONTROL OFFICE 'B' SECTION)**  
**TENDER NOTICE**

PLD/PICO B4/9518/2024

Dated 24.01.2026

Sealed tenders with superscription "Supply and Installation, of 3 KVA Solar Inverter with Battery " are invited from eligible, reputed, and bonafide agencies for supply and Installation of 3 KVA Solar Inverter with Battery at the Ladies Hostel, Dharmasala Campus, Kannur University as per the technical specifications and schedule given below. The rate quoted should be inclusive of all taxes, installation charges and other charges. The Registrar, Kannur University reserves the right to accept or reject the tenders without assigning any reason thereof.

**TENDER SCHEDULE**

|                                  |  |
|----------------------------------|--|
| TENDER NOTICE NO                 | PLD/PICO B4/9518/2024  |
| NAME OF WORK                     | Supply and Installation of 3 KVA Solar Inverter with Battery at the Ladies Hostel, Dharmasala Campus |
| TENDER SUBMISSION FEE            | Rs.500/- + 18% GST   |
| E.M.D.                           | Rs.2700/-  |
| MODE OF PAYMENT                  | Demand Draft   |
| BID SUBMISSION END DATE AND TIME | 09/02/2026 at 2.00 pm  |
| BID OPENING DATE AND TIME        | 09/02/2026 at 3.00 pm  |

**TECHNICAL SPECIFICATIONS**

| SPECIFICATION |  |                      |
|---------------|--|----------------------|
| Sl. No        | Technical Specifications                                 |                      |
| 1             | Rated output power of Integrated Offline SPV UPS in KVA. | 3                    |
| 2             | Sequence of power drawing                                | (Solar/Battery/Grid) |
| 3             | Conversion technology (Switching medium).                | IGBT                 |
| 4             | No. of Phase (in Nos.).                                  | 1                    |
| 5             | Inverter output wave form.                               | Pure sine wave       |
| 6             | Whether inverter MPPT based.                             | Yes                  |
| 7             | No. of MPPT (in Nos.).                                   | 1                    |





|    |   |  |
|----|---|--|
| 8  | Operating Voltage Range, DC, Solar Input  | 180V-400V DC   |
| 9  | Cooling medium for Integrated online SPV UPS.   | AC fan cooling   |
| 10 | Manual switch for disconnecting Solar DC supply.  | Yes  |
| 11 | Integrated offline SPV inverter mounting type.  | Floor Mount  |
| 12 | Power Rating of Converter AC in Watts   | 3 KW   |
| 13 | Input Voltage Range converter AC.   | 100-280 V AC 1 PHASE                                   |
| 14 | Frequency range AC input.   | 50Hz+/- 3%   |
| 15 | Type of Inverter Output (AC/DC)   | AC   |
| 16 | Inverter Output Voltage and Power.  | 230 V AC, 3000 W                                       |
| 17 | Frequency range output.   | 50 Hz +/-1   |
| 18 | Type of Battery.  | EXIDE EL Series  |
| 19 | Warranty of Solar Photovoltaic Panels in Years.   | 20   |
| 20 | Output over current protection.   | Yes  |
| 21 | Output over voltage protection.   | Yes  |
| 22 | Short circuit protection.   | Yes  |
| 23 | Battery low warning   | Yes  |
| 24 | Battery low trip  | Yes  |
| 25 | Controls  | Programmed microcontroller based                       |
| 26 | THD (in %).   | <3%  |
| 27 | Power factor at rated output power.   | 1  |
| 28 | Material of mounting structure.   | Galvanized steel                                       |
| 29 | Cable size for input side (PV Module to Inverter, DC) (in Sq. mm) / Conductor material / No. of core. | As per IS:694 16 Sq. Mm / Copper / Single core         |
| 30 | Cabling work at input side for each system  | With PVC Conduit pipe with necessary clamps and screws |
| 31 | Lightning Protection as per Electrical Standards.   | As per Electrical Standards                            |

### **TERMS AND CONDITIONS**

Tender form and General Conditions can be downloaded from University Website [www.kannuruniversity.ac.in](http://www.kannuruniversity.ac.in).

The acceptance of Tenders will be subject to the following conditions:

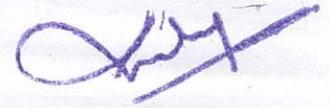
1. A sum of Rs.500/- + 18% GST towards tender fee and Rs.2,700/- as EMD should be remitted by way of Demand Draft drawn in favour of the Finance Office, Kannur University, payable at Kannur.
2. The rate tendered should be inclusive of all taxes and charges for delivery,





installation, testing and commissioning of items at the department. Nothing extra covers and above the quoted rate should be allowed.

3. The bidders shall keep their rate of the firm for a period of two months.
4. The bidder should have GST registration and the copy of the certificate shall invariably be attached with the tender documents.
5. The successful bidder shall, before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5% of the value of the contract.



**REGISTRAR**

To



1. The Web manager for posting on website
2. Notice Board

