



SKN COLLEGE OF AGRICULTURE

(Sri Karan Narendra Agriculture University)

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No. F ()/Workshop/SKNCOA/2026/5476

Date: 23-09-2026

Limited Tender

Sealed tenders are invited from reputed registered firms for the supply, installation, testing and commissioning of the following **Solar Grid-Connected PV Inverter**. The existing solar inverter installed at the college is damaged and is required to be replaced. The offered inverter shall meet the following minimum technical specifications and shall be compatible with the existing solar PV system, subject to site verification by the successful bidder. The approximate cost of the tender is ₹1,70,000/-. The Earnest Money Deposit (EMD) of ₹3,400/- (2% of the estimated cost) shall be deposited in the form of a Demand Draft (DD)/Cash receipt drawn in favour of the “**Dean, SKN College of Agriculture, Jobner**”. The last date for submission of the tender is 30.09.2026 up to 11:00 AM at SKN college of Agriculture, Jobner. The tenders will be opened on 30.09.2026 at 12:00 AM in the presence of the tenderers or their authorized representatives who wish to be present at Department of Entomology SKNCOA, Jobner. The purchasing authority reserves the right to accept/reject any tender without assigning any reason.

S. No.	Name of Item	Specification	Approx. Quantity
1	Solar Grid-Connected PV Inverter	1. Type: Grid-connected Solar PV Inverter 2. Rated output power: 50 kW 3. DC input: • Maximum input voltage: 1100 V DC • Minimum MPP voltage: 200 V DC • Maximum MPP voltage: 1000 V DC • Maximum input current: 5×26 A • Maximum short-circuit current (Isc PV): 5×40 A 4. AC output: • Rated output voltage: 3/N/PE, AC 400/230 V • Operating voltage range: 312–528 V AC • Rated output frequency: 50/60 Hz • Maximum output current: 83.6 A AC • Rated output power: 50 kW • Maximum apparent power: 55 kVA • Power factor range: 0.8 leading to 0.8 lagging 5. Safety/electrical classification: • Safety class: I • Over voltage category: III (AC), II (DC) • Enclosure protection: IP66 6. Ambient operating temperature: -30°C to $+60^{\circ}\text{C}$ 7. The inverter shall be suitable for grid-connected operation and compatible with the existing PV array and AC grid arrangement. 8. Supply shall include all standard accessories, connectors, mounting hardware and items required for safe installation and commissioning.	01

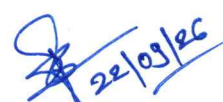
TERMS AND CONDITIONS

1. The rates quoted by the firm should include all applicable taxes, duties, transportation, loading/unloading, installation, testing and commissioning charges, unless clearly specified otherwise.
2. The bidder must have a valid GST Registration Number and shall attach a copy of the GST certificate.
3. The firm shall clearly mention the make, model, country of origin and complete technical specifications of the offered inverter.
4. The inverter offered shall be new, unused and of current/valid production, and shall confirm to applicable statutory and electrical safety requirements.
5. The successful firm shall inspect the existing solar PV system and verify DC string configuration, AC connection, protection, cable arrangement and earthing requirements before installation.
6. Installation, testing and commissioning shall be completed by the firm at its own cost at the designated location in the college campus.
7. The firm shall provide all necessary standard accessories and installation hardware required for satisfactory operation of the inverter.
8. Delivery and installation shall be completed within fifteen days of issue of the work/supply order, or within the period specifically accepted by the competent authority.
9. Warranty/guarantee of the inverter shall be at least three year from the date of installment. Warranty service shall include rectification/replacement of defective components as per the manufacturer's warranty terms.
10. The lowest price quoted will not necessarily qualify for selection. Quality, technical compliance, warranty, service support and compatibility with the existing system will also be considered.
11. The tenderer must put signature and stamp on every page of the tender, including the terms and conditions.
12. Bidders have to quote their rates in the Performa given only.
13. The competent authority reserves the right to accept or reject any or all tenders without assigning any reason.
14. The successful bidder should deposit 5% performance amount up to guarantee period.


D E A N

Copy to the following for information and further needful action:

1. The Comptroller, SKNAU, Jobner
2. O/I CIMCA, SKNAU, Jobner for uploading on University Website-www.sknu.ac.in
3. Incharge, Agriculture Engineering Department, SKNCOA, Jobner
4. Convener/Members/Accounts Section, SKNCOA, Jobner
5. DDO, SKNCOA, Jobner
6. Notice Board, SKNCOA, Jobner
7. Tender File
8. Guard File


I/c Workshop

BID PROFORMA

S. No.	Name of item with specification	Specification / Company	Proposed Rate	GST / Total
1	Solar Grid-Connected PV Inverter, 50 kW	Make/Model: _____ Rated output power: 50 kW Model offered: _____	₹ _____	GST: _____ % Total: ₹ _____

I/we affirmed all the terms & conditions mentioned in this tender.

Signature of authorized person
Seal of the firm

DETAILS OF THE FIRM

Name of firm with full address: _____

GST Number (Attach certificate): _____

Bank details (Bank Name, Account No., Branch Name & IFSC Code):

Contact Person & Mobile No.: _____

E-mail: _____