

Centre for Agricultural Research and Innovation (CARI)
Department of Agriculture
Guru Nanak Dev University, Amritsar

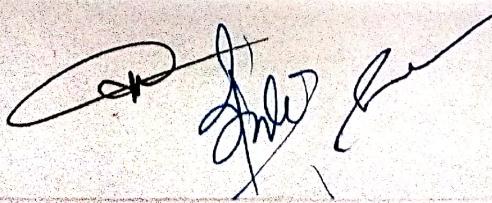
Ref. 864 /CARI

Dated 08/01/2026

NOTICE, INVITING QUOTATION

Subject: Sealed quotations for the purchase of Solar Pyranometer :-

Sr.No.	Particulars & Specifications	QTY.
	specifications for Purchase of Solar Pyranometer	1 NO
1.	<p>Item Name: Solar Pyranometer Quantity: 1 Unit</p> <p>Sensor & Measurement</p> <ul style="list-style-type: none"> • Type: Thermopile-based Pyranometer (ISO 9060 compliant – Secondary Standard or First Class preferred) • Measurement Range: 0 to 2000 W/m² (minimum 0–2 kW/m²) • Spectral Range: 285 – 2800 nm • Sensitivity: Factory calibrated with calibration certificate • Response Time: ≤ 5 seconds • Non-linearity: ≤ ±1% • Cosine Response Error: ≤ ±5% up to 80° solar zenith angle 	
2.	Accuracy & Performance	
	<ul style="list-style-type: none"> • Overall Accuracy: ±5% or better • Long-term Stability: < ±1% per year • Zero Offset (Thermal): ≤ ±5 W/m² • Temperature Dependence: ≤ ±1% over operating range 	
3.	Operating Conditions	
	<ul style="list-style-type: none"> • Operating Temperature Range: -10°C to +60°C • Storage Temperature Range: -20°C to +70°C • Operating Humidity: 0–100% RH (non-condensing) • Weather Protection: Fully weatherproof housing suitable for continuous outdoor operation 	
4.	Output & Communication	
	<ul style="list-style-type: none"> • Output Signal: Analog (mV or 4–20 mA) and/or Digital (RS-485 / Modbus RTU) • Power Supply: 12–24 V DC 	



	<ul style="list-style-type: none"> • Cable Length: Minimum 5 meters, UV-resistant outdoor-grade cable <p>Construction & Mounting</p> <ul style="list-style-type: none"> • Ingress Protection: IP65 or higher • Mounting: Adjustable leveling base with bubble level • Compatibility: Suitable for rooftop, mast, or tripod mounting 	
	<p>Additional Features (Required)</p> <ul style="list-style-type: none"> • Built-in Temperature Sensor for compensation • Digital data logging compatibility with external data loggers • Surge and lightning protection • Desiccant cartridge to prevent internal condensation • Calibration certificate traceable to ISO / WMO standards • Bubble level and levelling screws included • Optional sunshield or ventilated housing to reduce thermal errors 	

Documentation & Warranty

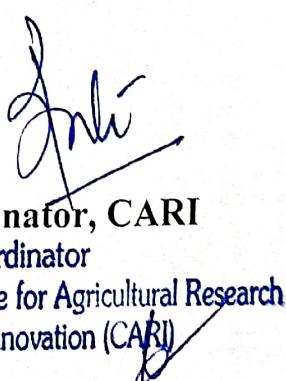
7.

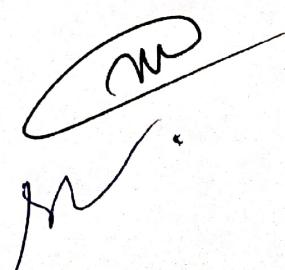
- User manual and installation guide
- Calibration certificate
- **Warranty: Minimum 1 year**, preferably 2 years
- After-sales support and recalibration service availability in India

Terms & Conditions:

1. Quotations should be address to Coordinator, CARI, Department of Agriculture (Near U I T building), Guru Nanak Dev University, Amritsar- 143005, so as to reach this office **27 January, 2026 (Tuesday)** at 4.30 p.m. under registered speed post duly super-scribed on the envelope "Quotation for Solar Pyranometer".
2. Rates should be inclusive of all taxes, duties, installation and levies in Indian Rupees F.O.R. G.N.D. University, Amritsar, otherwise quoted price will be treated as all inclusive. Rates should be written both in words and figures.
3. The institutional discount should be mentioned clearly.

4. The Quotations shall be written legibly and free from erasing and over-writing. Corrections, if any, should be duly attested by authorized signatory.
5. Bids received within the due date only will be entertained.
6. The quotation should be valid for a period of 60 days for acceptance from the date of opening of the bids.
7. Bidders cannot withdraw their offer once it is submitted.
8. The vendor may quote the items, which meets the requirements and specification along with the layout, make, model, material specifications, dimensions, brochures, photo catalogues of items along the quotation.
9. GNDU Committee also reserves the right to accept/reject the offers or cancel the whole proceedings without assigning any reason whatsoever. In case of any dispute, the matter will be referred to Vice- Chancellor, Guru Nanak Dev University, Amritsar
10. Decision will be binding and final. Bidders are not entitled to claim any damage or compensation in case of such cancellation.
11. Jurisdiction: The disputes, legal matters, court matters, if any shall be subject to Amritsar Jurisdiction only.
12. The delivery of **Solar Pyranometer** in the Department of Agriculture in G.N.D. University shall be made within 20 working days of the issue of supply order, failing which the order will be withdrawn.
13. All materials shall be new, unused, and of standard make.
14. The bill payment process will be started as per institutional norms after the purchase of **Solar Pyranometer**.


Coordinator, CARI
Co-ordinator
Centre for Agricultural Research
and Innovation (CARI)


M.