

NOTICE FOR INVITING QUOTATION

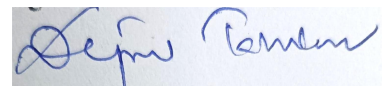
Sealed quotations in plain paper affixing non-refundable court fee stamp of Rs. 8.25/- (Rupees Eight and Twenty Five Paise) only are invited from reputed suppliers / Firm / authorized dealers for supply Solar PV Module System in B.H. B. College, Sarupeta. Quotations will be received within 7 days from the date of issue of the notice. No quotations will be accepted after the due date. The undersigned has the right of placing order depending on quality of items and accepting subsequent negotiated rate. For further details, please contact the office of the undersigned during office hours.

Terms and Conditions

1. The purchaser reserves the right to accept or reject any or all of the quotations without assigning any reason thereof.
2. The following documents (photocopy) should furnish with the tender.
 - a. Valid GST certificate
 - b. Trade License
 - c. PAN Card
 - d. Bank details
3. The successful quotationer will have to supply the materials within 20 days from the issue of work order.
4. No advance payment will be made.
5. 50% Payment be made after the installation and connection of the panels and the remaining 50% of the payment be made after three months from the installation of the product.

Important Dates

BID Reference	Date and Time
Date and time for Commencement of issue of Tender documents	05-09-2025
Closing date and time for submission of Bids	11-09-2025 (up to 4.00 PM)
Date and time of opening the bidding documents	12-09-2025 (12.30 PM)
Place of issue of tender documents / Bid submission and opening of Bids	Office of the Principal, B.H.B. College, Sarupeta



Convener Tender Committee

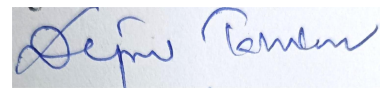
B.H.B. College, Sarupeta

Detail of Particulars

Sl No.	Particulars	No. of Unit	Specification
1	Solar PV Module System	1	Technical Specification Notice Project: 20 kW On-Grid Solar PV Power Plant Location: BHB College, Sarupeta Mode: On-Grid (Net Metering) Module Type: Adani Solar (Non-DCR, N-Type TOPCon, 550–650Wp) Mounting Structure: Aluminium Monorail System 1. Solar PV Modules Make: Adani Solar (Non-DCR) Technology: N-Type TOPCon Capacity per module: 550 Wp – 650 Wp Required modules: ~32-37Nos. (depending on selected wattage) Certifications: IEC 61215, IEC 61730 Warranty: TOPCon: 30 years performance warranty ($\geq 87\%$ at 30th year) 2. Module Mounting Structure Type: Monorail Aluminium Mounting System Design: Lightweight, corrosion-resistant, suitable for RCC roof Tilt: As per site latitude ($\approx 23\text{--}25^\circ$ South-facing) Material: Anodized Aluminium Rails, SS 304 Fasteners Compliance: Designed for wind load up to 150 kmph Features: Quick installation with reduced roof load High durability, anti-corrosion Waterproofing-friendly for RCC roofs 3. Grid-Tied Inverter Capacity: 20 kW (1 No.) or 2×10 kW Type: String Inverter Efficiency: $\geq 98\%$ Features: MPPT trackers, Wi-Fi/RS485 communication Protection: Anti-islanding, surge, over/under voltage, frequency protection Standards: IEC 62109-1/2, IEC 61683 4. AC Distribution Board (ACDB) MCCB/MCB with surge protection Output connection to LT panel IP65-rated enclosure 5. DC Distribution Board (DCDB) String fuses, DC SPD (Type 2), isolator switch Copper bus bar, IP65 outdoor protection

		6. Protection Devices SPDs (Type 2) – DC & AC side MCB/MCCB – Suitable rating Lightning Arrester (LA) – rooftop installation Earthing – for modules, inverter & LA 7. Cabling DC Cables: 4–6 sq.mm, UV resistant, XLPO insulated AC Cables: FRLS, XLPE insulated, size as per inverter output Make: Polycab / KEI / Havells or equivalent Terminations: Tinned copper lugs & glands 8. Earthing System 3 sets of copper-bonded earthing (PV, Inverter, LA) Earthing resistance: < 1 ohm 9. Maintenance and Servicing The EPC Vendor shall provide Comprehensive Operation, Maintenance, and Servicing for a Period of 5 Years from the date of successful commissioning. Scope of Maintenance and Servicing Service Type:- A. Preventive Maintenance:- Periodic cleaning of PV modules, visual inspection of mounting structure, tightening of electrical connections, inverter health check, system performance check. B. Corrective Maintenance:- Repair or replacement of faulty modules, inverter issues, wiring problems, or any electrical faults. C. Monitoring Support:- Periodic system performance reports and on-call support for monitoring-related issues. D. Emergency Support:- 24x7 Emergency Technical Support for critical system failures or faults. E. Spare Parts:- Availability of necessary spare parts for inverters, connectors, cables, etc., for 5 years under warranty service. 10. Fire Safety Measures- To ensure safety and compliance with local fire regulations, the following fire safety equipment shall be installed as part of the system: Fire Extinguisher:- At least 1 No. of ABC Type Fire Extinguisher (4 – 6 kg capacity) to be installed near the Inverter and Combiner Box Area.
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			Location:- Near Inverter Room and Combiner Box for easy access in case of fire incidents. Compliance:- As per National Electrical Code (NEC) and Local Fire Safety Regulations Periodic Check:- Checked during every maintenance visit (every 6 months) to ensure proper functionality.
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B.H.B. College, Sarupeta