



K.M. Mani Memorial Govt. General Hospital, Pala

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**Inviting Proposal for 250 KW Grid Connected Roof Top Solar
Power Plant at KMMMGGH Pala**

Aiming to reduce electricity costs, enhance sustainability efforts, and promote green energy adoption, Hospital Management Committee of General Hospital Pala has decided to install solar panels in the hospital. By utilizing solar power, the hospital can generate a significant portion of its energy needs, improve operational efficiency, and reduce its environmental footprint. Moreover it will ensure continuous power supply, especially during peak demand hours or grid failures. It will also reduce the hospital's carbon footprint by generating renewable energy, contributing to overall environmental health.

As per the direction from Director of Health Services Kerala No. DHS/22873/2025-MSP2 and letter No P3/260/2025-HEALTH Health & FW Government of Kerala Thiruvananthapuram Dated 29/01/2026, it has been decided to assign the work of "Installation, Testing and commissioning of of 250 kWp On Grid Solar Power Plant at KM Mani Memorial Government General Hospital Pala, Kottayam" to an "ACCREDITED AGENCY".

Hence proposal for the same has been invited from the Accredited Agency under the following terms and conditions. The Proposal should come from a Valid Government Accredited (Renewable Energy Projects) and experienced agencies having proven technical and financial capability to execute Grid-Connected Rooftop Solar Power Projects are invited to submit their competitive sealed bids for the work described below at General Hospital, Pala, Kottayam District. The proposal shall be addressed to the Superintendent, General Hospital, Pala, Kottayam District, and submitted in a sealed cover on or before 23rd February 2026. The work shall be executed strictly in accordance with the relevant standards, specifications, and statutory requirements applicable to Grid-Connected Rooftop Solar Power Plants.

NAME OF WORK:

1. Design & Execution including Supply, Installation, Testing, and Commissioning of 250 kW Grid-Connected Rooftop Photovoltaic (PV) Solar Panels/Solar Power Plant - Topcon Non DCR Glass to Glass Solar panels, at General Hospital, Pala, Kottayam District, including the Supply and installation of roofing sheets at the proposed solar power plant location.

SCOPE OF WORK:

2. Design, engineering, and system configuration
3. Supply of all required materials and equipment
4. Design, supply, fabrication, and installation of structural truss work with roofing sheets over an area of approximately 15,000 sq. ft., at a height of 12 to 14 feet, at the designated solar installation location.
5. Installation, testing, and commissioning of the 250 kW Grid-Connected Rooftop Solar Power Plant
6. All additional electrical works required for the integration of the solar power plant with the existing electrical system.
7. Compliance with all statutory approvals, safety norms, and applicable standards (MNRE/KSEBL/CEA/IEC/IS standards)
8. Get all necessary approval from various departments like KSEB and Electrical Inspectorate etc.

DURATION/ TIME OF COMPLETION:

9. The entire project including site survey, final assessment, permitting and approvals, procurement of materials, installation testing and commissioning etc shall be completed within 50 days from the date of issue of the Work Order / Letter of Acceptance.

TECHNICAL STANDARDS

10. The work shall be executed strictly in accordance with:
 - a. Relevant MNRE guidelines
 - b. IEC / IS standards
 - c. CEA / KSEBL regulations
 - d. Electrical safety rules and applicable statutory provisions

EXPERIENCE REQUIREMENT:

11. The bidder should have successfully executed solar power projects with a cumulative installed capacity of not less than 5 MWp during the last 5 years.
12. Registered Office: The bidder must have a registered office located within the same district or in a nearby district.
13. Single Project Capacity: The bidder should have completed at least one single solar power plant project with a minimum capacity of 600 kWp.

WARRANTY

14. Solar PV Module Warranty: The offered Solar PV modules shall carry a minimum warranty of 25-30 years.
15. Inverter Warranty: The inverter(s) supplied shall have a minimum warranty of 10 years.
16. System Warranty : 5 Years
17. Performance Ratio not less than 80% with an estimated energy generation of more than 350000kWh annually
18. **Panel Efficiency not less than 20%**

The proposal shall be submitted in a sealed cover clearly superscribed with: **“Proposal for 250 kW Grid-Connected Rooftop Solar Power Plant at General Hospital, Pala”**.

The Proposal shall be addressed to:

The Superintendent,
KM Mani Memorial Government
General Hospital - PALA
Kottayam District PIN 686575

The sealed proposal must reach the above address on or before 23rd February 2026 11.00AM
The same will be opened in the presence of available competitors on the same day 23rd February 2026 11.15AM.



Dr. Abhilash T.P.
Superintendent

SUPERINTENDENT
K. M Mani Memorial
Govt. General Hospital, Pala