

**TENDER DOCUMENTS**

**REPAIR / UPGRADATION TO 10 KVA HYBRID SOLAR  
SYSTEM FOR SEISMIC BUILDING AT RMC PESHAWAR**

**No. AS 5-3(34)/HSSS/2025**



**REGIONAL METEOROLOGICAL CENTRE  
KHYBER ROAD, PESHAWAR**

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December 2025

## **TENDER NOTICE**

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Pakistan Meteorological Department, Regional Meteorological Centre, Khyber Road, Peshawar invites sealed bids on F.O.R. basis from the firms/parties, registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of Federal Board of Revenue for supply of the following items:

Item No.	Items Description	Quantity
01	<b>REPAIR / UP-GRADATION TO 10 KVA HYBRID SOLAR SYSTEM FOR SEISMIC BILDING AT RMC PESHAWAR</b>	01

2. Bidding documents, containing detailed terms and conditions, etc. are available at the Regional Meteorological Centre, Khyber Road, Peshawar. Bidding documents can also be downloaded from [www.pmd.gov.pk](http://www.pmd.gov.pk).

3. The bids, prepared in accordance with the instructions in the bidding documents, must be uploaded through PPRA e-pads and reach at the office of Director, Regional Meteorological Centre, Khyber Road, Peshawar on or before **24-12-2025** at **03:00 pm**. Bids will be opened on the same day at **03:30 pm**. This advertisement is also available on PPRA website at [www.ppra.org.pk](http://www.ppra.org.pk).

**Director**  
Regional Meteorological Centre  
Khyber Road, Peshawar  
091-9210190

## **TECHNICAL SPECIFICATIONS**

## TECHNICAL SPECIFICATIONS BY COMPONENT

Component	Specification Requirements
<b>PV Modules (Solar Panels)</b>	Capacity: Minimum 600W or above per module (Tier 1 brands like Jinko, Longi, JA Solar, Canadian Solar, or equivalent). <b>Type:</b> Mono, N- type Bifacial Efficiency: Minimum 20% (or higher). Warranty: 25 years performance warranty, 10-12 years product warranty.
<b>Inverter</b>	Capacity: <b>10 KVA, 3 Phase.</b> Type: Hybrid (e.g., Inverex, Crown, Lux Power Tek, or equivalent). Efficiency: 92% and above. Output: Pure sine wave AC, 440VAC (three-phase), 50Hz, total harmonic distortion (THD) < 2%. Protection: Built-in protection against over/low voltage, over current, short circuits, reverse polarity, lightning induced transients, and overload. Features: Wi-Fi supported, zero export manager (if required for net-metering), data logger, IP66. Warranty: At least 5 years extendable to 10 years performance warranty.
<b>Mounting Structure</b>	Material: A-plus quality raised mounting racks, hot-dip galvanized steel or aluminum alloy. Design: Suitable for the specific roof type flat concrete with appropriate angle of installation. Wind Load: Must withstand wind speeds up to 130 Km/hour. Hardware: All nuts, bolts, and fasteners must be stainless steel
<b>Cabling &amp; Protection</b>	Cables: High quality, UV resistant, and copper AC unarmored cables Protection Devices: German brands such as ABB, Schneider Electric, or Siemens for AC/DC breakers, SPD (Surge Protection Devices), and earthing systems. Earthing: Complete AC and DC earthing system and lightning arrester as per site specifications.
<b>Battery Bank</b>	Type: LiFePO4 (Lithium Iron Phosphate) Capacity: 48V 300Ah <b>DOD:</b> 90%. Life Cycle: Long cycle life (>6000 cycles for LiFePO4). Warranty: Minimum 3 years comprehensive replacement warranty.

➤ Interested firms/parties may visit the office of Director, RMC Peshawar to inspect the site / location during the office hours.

➤ The competent authority has the right to alter the scope of work depending on the availability of funds.

**TERMS & CONDITIONS:**

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1. **Bidding Procedure:**
  - Single Stage-Two Envelope Procedure as per PPRA Rule 36 (a).
2. **Eligibility Criteria:**

Bidders must:

  - Be Registered with FBR (Valid NTN & GST)
  - Provide an affidavit of non-blacklisting
  - Show proof of similar supplier to the government / semi-government entities
3. **Bid Submission:**
  - Submit bids through PPRA e-paid and to the Office of the **Director, Regional Meteorological Center (RMC)** Khyber Road Peshawar.
  - Mark Envelope as:  
“Repair & up-gradation to 10 KVA Hybrid Solar System for Seismic building at RMC Peshawar”
4. **Bid Security (Earnest Money):**
  - 2% bid security of the total quoted amount (inclusive of GST) must be submitted as a Pay order/ Bank draft in favor of Director, RMC Peshawar in Pakistani Currency.
  - Bid without Earnest Money will be rejected.
5. **Bid Validity:**
  - The bids shall remain valid for a period of three months (90 days) from the date of opening of the tender (Rule 28)
  - If required, the procuring agency may request an extension in the validity period, subject to the written consent of the bidder.
6. **Supply Schedule:**
  - The successful bidder shall deliver the items on quarterly basis as per the procuring agency requirements (Rule 15)
  - Quantities and delivery schedules will be communicated prior to start of each quarter.
  - The bidder must ensure timely delivery to avoid disruption in operations.
7. **Delivery Schedule:**
  - Items must be delivered within 15 days of issuance of the purchase order.
  - A 1% penalty per day will apply for delays beyond the specific time.
8. **Payment Terms:**
  - Payment will be made via Cheque after the inspection and satisfactory delivery by the Technical Committee.
9. **Taxes:**
  - Prices quoted must be inclusive of all applicable taxes.
  - Taxes will be deducted at source as per governments rule.
10. **Rejection of Bids:**
  - The procuring agency reserves the right to reject any or all bid as per PPRA Rule 33.
11. **Bid Opening:**
  - Bid will be publicly opened at the specified date and time in presence of bidders or their representatives.
12. **Performance Guarantee:** 2% Performance Guarantee of the total quoted amount (inclusive of GST) must be submitted as a Pay order/ Bank draft in favor of Director, RMC Peshawar in Pakistani Currency.