TENDER DOCUMENTS

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

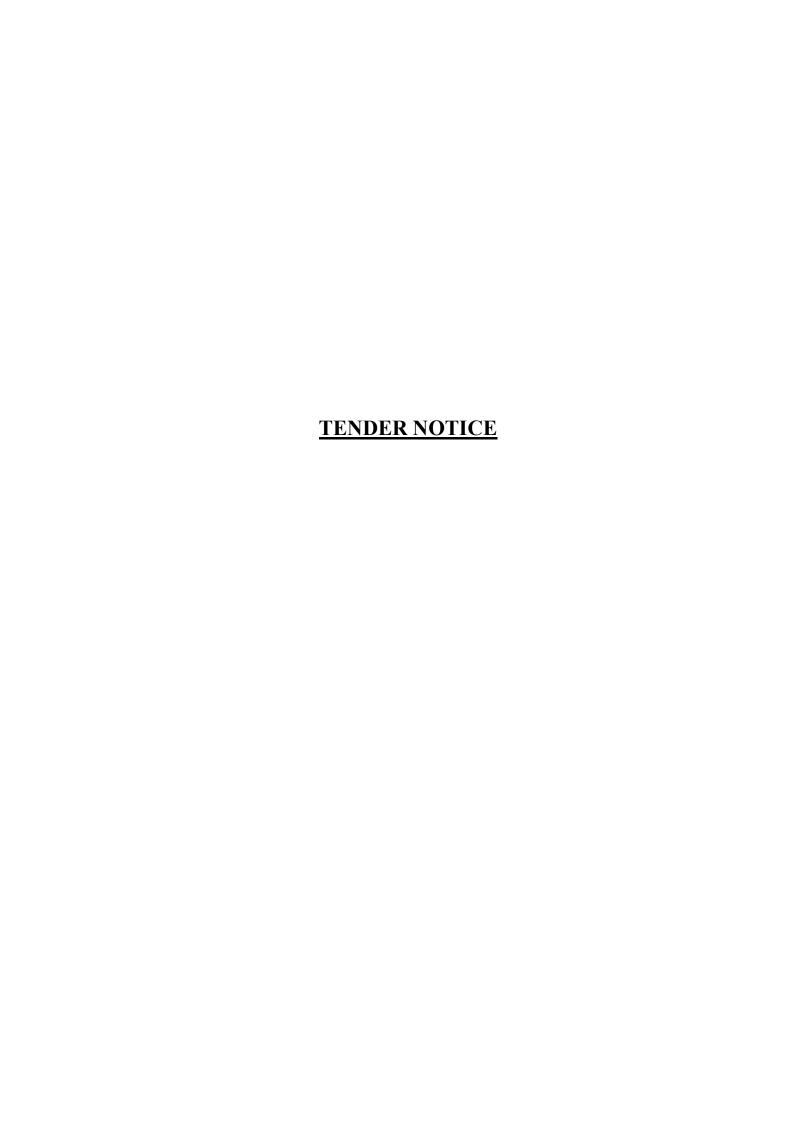
No. AS 5-3(34)/HSSS/2025



REGIONAL METEOROLOGICAL CENTRE KHYBER ROAD, PESHAWAR

Phone No. 091-9210190 Fax No. 091-9210223

December 2025



TENDER NOTICE

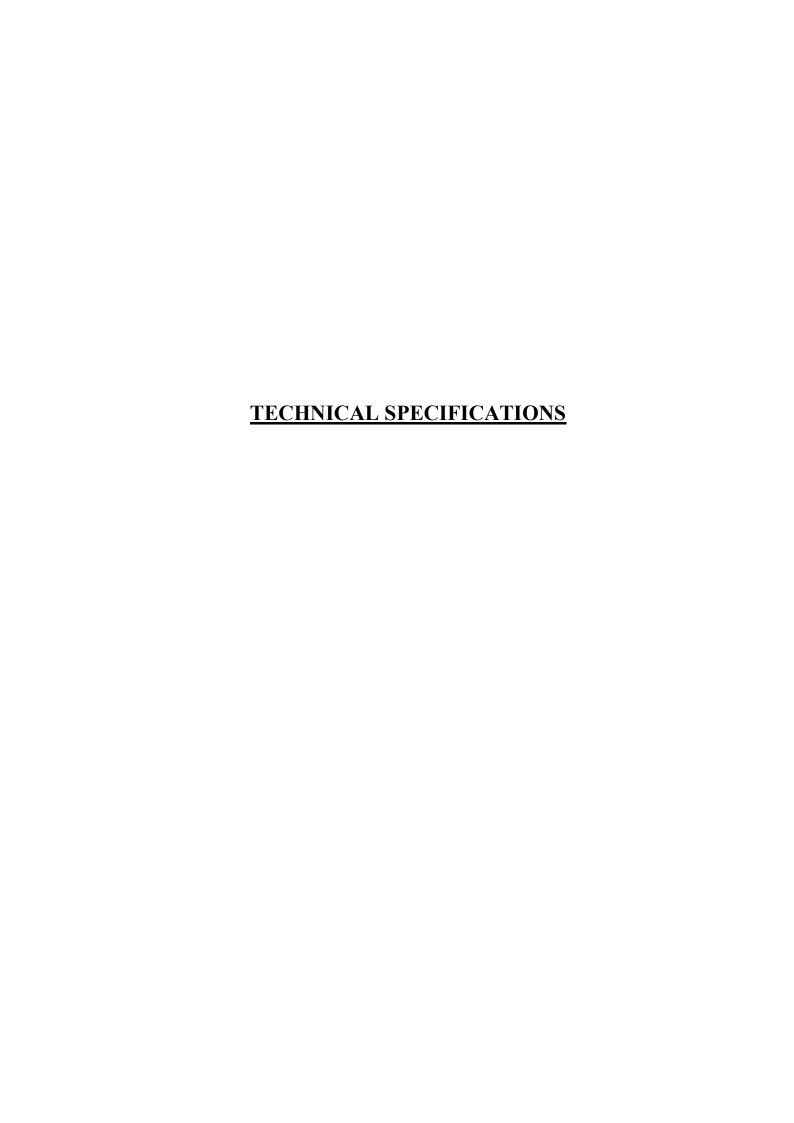
Pakistan Meteorological Department, Regional Meteorological Centre, Khyber Road, Peshawar invites sealed bids on F.O.R. basis from the firms/parties, registered with Income Tax and Sales Tax Departments and who are on Active Taxpayers List of Federal Board of Revenue for supply of the following items:

Item No.	Items Description	Quantity
01	REPAIR / UP-GRADATION TO 10 KVA HYBRID SOLAR SYSTEM FOR SEISMIC BILDING AT RMC PESHAWAR	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.
- 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 <u>24-12-2025</u> at <u>03:00 pm</u>. Bids will be opened on the same day at <u>03:30 pm</u>. This advertisement is also available on PPRA website at <u>www.ppra.org.pk</u>.

Director

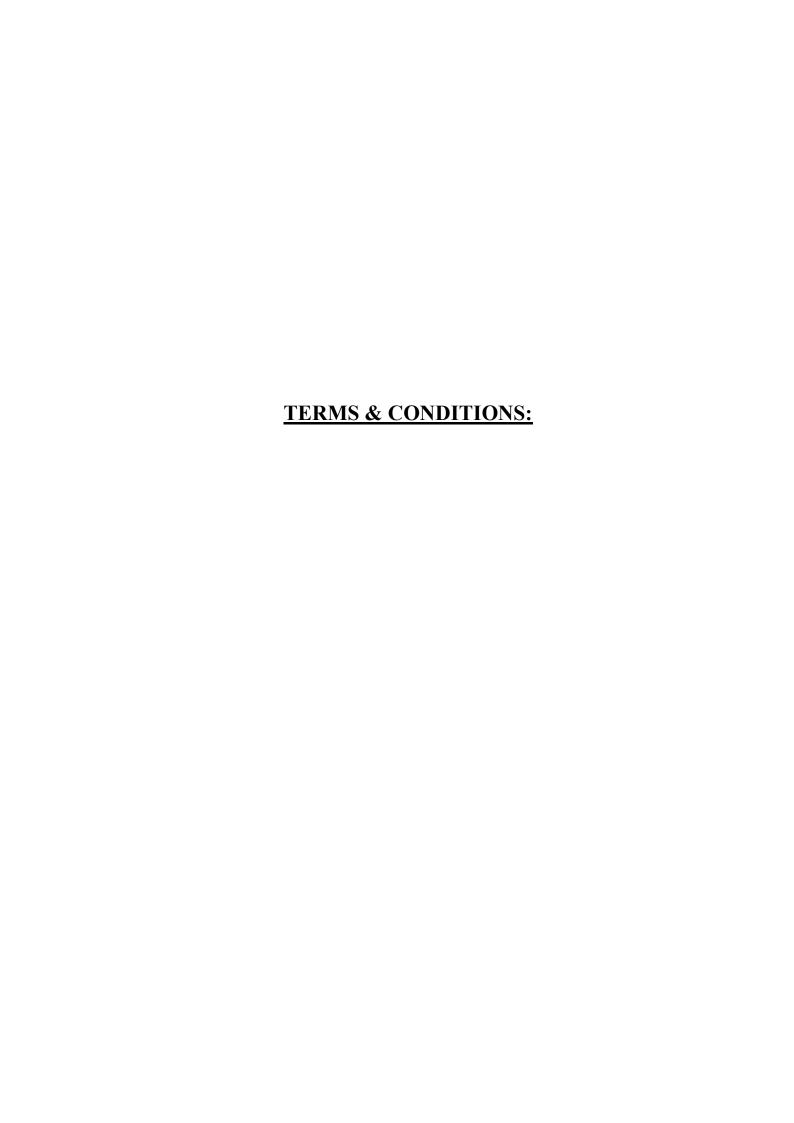
Regional Meteorological Centre Khyber Road, Peshawar 091-9210190



TECHNICAL SPECIFICATIONS BY COMPONENT

Component	Specification Requirements	
PV Modules (Solar Panels)	Capacity: Minimum 600W or above per module (Tier 1 brands like Jinko, Longi, JA Solar, Canadian Solar, or equivalent). Type: Mono, N- type Bifacial Efficiency: Minimum 20% (or higher). Warranty: 25 years performance warranty, 10-12 years product warranty.	
Inverter	Capacity: 10 KVA, 3 Phase. 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.	
Mounting Structure	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	
Cabling & Protection	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.	
Battery Bank	Type: LiFePO4 (Lithium Iron Phosphate) Capacity:48V 300Ah DOD: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 AND CONDITIONS

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 bust 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 Gurantee 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.