

## UPNEDA Invites Bids for 10,000 Solar Power Packs to Power Households Across Uttar Pradesh

*UPNEDA invites bids to supply and install 10,000 solar PV power packs with LiFePO4 batteries and 5-year maintenance, aiming to electrify UP households through decentralised, sustainable energy solutions.*



The Uttar Pradesh New and Renewable Energy Development Agency (UPNEDA) has issued a [tender](#) inviting bids for the supply, installation, testing, and commissioning of 10,000 solar PV power pack systems, each with a capacity of 200 watts.

These decentralised solar power solutions are aimed at enhancing energy access for households across various districts of Uttar Pradesh. Each solar power pack will consist of a 200 Wp indigenous solar PV module, a 12.8V, 80Ah LiFePO4 battery, five white LED luminaires (comprising one 3-watt, two 5-watt, and two 7-watt lights), a 20-watt DC ceiling fan, and a DC power plug with a mobile charging USB port.

The systems must include all necessary control electronics, interconnecting cables, and mounting structures. All components must adhere to BIS/MNRE specifications, with PV modules tested as per IEC standards and featuring efficiencies of at least 14 percent for modules and 16 percent for cells.

As per the tender, the scope of work involves turnkey execution, including design, supply, installation, commissioning, and five years of on-site comprehensive warranty maintenance. To ensure timely upkeep, service centres must be established in each designated district, with the contractor required to resolve complaints within 72 hours and conduct quarterly maintenance.

The systems are expected to provide a minimum of 6 to 7 hours of operation per day, with a backup autonomy of 2 days. PV modules must deliver a rated power output of 200 Wp (with an open-circuit voltage of at least 21 V) and maintain 90 percent of their rated output after 10 years and 80 percent after 25 years.

The total estimated cost of the procurement, inclusive of GST, is INR 37.94 crores, subject to the availability of funds. The entire project must be completed within four months from the date of work order issuance.

Bidding will be conducted through an e-tendering process on the designated online portal. Interested bidders must pay a non-refundable tender fee of INR 11,800 and submit an Earnest Money Deposit (EMD) equivalent to 2 percent of the estimated cost in the form of a bank guarantee. However, Micro and Small Enterprises (MSEs) based in Uttar Pradesh are exempt from the EMD upon submission of a bid security declaration.

A performance security of 5 percent of the work order value will be required from successful



The tender is open only to individual bidders. Joint ventures, consortiums, or subcontracting arrangements are not permitted. All documents must be submitted in English, and all quoted prices must be in Indian Rupees.

To be eligible, bidders must have an average annual turnover of at least INR 11.40 crores during any three of the past five financial years (FY 2020–21 to FY 2024–25), certified by a Chartered Accountant and supported by audited financial statements. For FY 2024–25, a provisional balance sheet will be accepted if the audit is pending. Additionally, bidders must possess a positive net worth in the most recent financial year and submit valid GST registration documents.

Technically, bidders must provide valid test certificates for the solar power pack system or its main components (PV modules, batteries, LED lighting units, and DC fans), issued by MNRE-authorised testing centres or NABL-accredited laboratories, and not older than five years. An authorisation letter from the OEM is also mandatory.

A notarised affidavit must be submitted stating the bidder's commitment to establishing service centres in the assigned districts and affirming compliance with all terms and conditions. It must also confirm that the bidder is not blacklisted or debarred and has no pending GST or income tax dues.

This comprehensive tender reflects UPNEDA's ongoing commitment to promoting clean and decentralised solar energy in Uttar Pradesh, ensuring reliable and efficient power access while supporting the state's broader renewable energy goals.