



Haryana Declares Winners for 24,484 Solar Water Pumps under PM-KUSUM

Why in News?

Recently, Haryana Renewable Energy Development Agency (**HAREDA**) has granted contracts for the **provision, installation, and commissioning of 24,484 solar water pumping systems** as part of Component B of the [Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan Yojana \(PM-KUSUM\)](#).

Key Points

- **Component B of PM-KUSUM** centers on the **instalation of two million independent solar water pumps**, intended for agricultural irrigation purposes.
- **The project targets a range of beneficiaries, such as** individual farmers, water user associations, cattle shelters, [farmer-producer organizations](#), [primary agricultural credit societies](#), and community-based irrigation systems.

What is PM-KUSUM?

- **About:**
 - The PM-KUSUM is a **flagship scheme** initiated by the Indian government in 2019 with the **primary objective of transforming the agricultural sector by promoting the adoption of solar energy solutions**.
 - It operates on a **demand-driven approach**. Capacities are allocated based on the demands received from various states and union territories (UTs).
 - Through various components and financial support, **PM-KUSUM envisions** achieving a significant **solar power capacity addition of 30.8 GW by 31st March, 2026**.
- **Objectives of PM-KUSUM:**
 - **De-dieselisation of the Farm Sector:** The scheme aims to reduce the dependence on diesel for irrigation by encouraging the use of solar-powered pumps and other renewable energy sources. It also seeks to increase farmers' income by reducing irrigation costs through the use of solar pumps and enabling them to sell surplus solar power to the grid.
 - **Water and Energy Security for Farmers:** By providing access to solar pumps and promoting solar-based community irrigation projects, the scheme aims to enhance water and energy security for farmers.
 - **Curbing Environmental Pollution:** Through the adoption of clean and renewable solar energy, the scheme aims to mitigate environmental pollution caused by conventional energy sources.
- **Components:**
 - **Component-A: Setting up of 10,000 MW of Decentralized** Ground/Stilt Mounted Solar Power Plants on barren/fallow/pasture/marshy/ cultivable land of farmers.
 - **Component-B: Installation of 20 Lakh Stand-alone Solar Pumps** in off-grid areas.
 - **Component-C: Solarisation of 15 Lakh Grid Connected Agriculture Pumps** through: Individual Pump Solarisation and Feeder Level Solarisation.

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