

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 662
ANSWERED ON 03.12.2025

INSTALLATION OF SOLAR MINI-GRIDS IN TRIBAL AREAS

662. SHRI SUKANTA KUMAR PANIGRAHI

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the steps taken by the Government to expand renewable energy access and installation of solar mini-grids, micro-hydel systems and off-grid power solutions in tribal and remote districts of Odisha particularly Kandhamal, Boudh, Rayagada and other scheduled areas;

(b) the progress of tribal-focused renewable energy schemes such as household solarisation, solar streetlights, solar study lamps, distributed livelihood equipment, solar cold storage units and other Decentralized Renewable Energy (DRE) based interventions supported by the Ministry in the said State;

(c) the achievements and funds released to Odisha under Pradhan Mantri-Krishi Urja Suraksha evam Utthaan Mahaabhiyan (PM-KUSUM) Rooftop Solar Programme, Solar Pumping, Biomass and Biogas programmes during the last three years especially in tribal areas; and

(d) whether the Government proposes to establish Renewable Energy Clusters or Solar Livelihood Hubs in tribal districts of Odisha to support agriculture, rural enterprises and community livelihoods and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) Ministry of New and Renewable Energy (MNRE) is implementing the New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) and Dharti Aabha Janjatiya Gram Utkarsh Abhiyan (DA JGUA). Under the scheme, off-grid systems (Solar Home Lighting Systems/Solar Mini Grids) are provided to tribal and PVTG households, multi-purpose centers and public institutions in Tribal and PVTG areas where grid-connected electrification is not technoeconomically feasible.

Under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) scheme, Odisha Renewable Energy Development Agency (OREDA) had installed total 64 nos. of solar mini-grids having cumulative capacity of 1229 kW. The district wise distribution is given below.

| Sl. No | District | Nos of Villages | Mini Grid capacity (in kW) | Nos of Households electrified |
|--------|------------|-----------------|----------------------------|-------------------------------|
| 1 | Gajapati | 8 | 135 | 469 |
| 2 | Ganjam | 28 | 428 | 1288 |
| 3 | Keonjhar | 3 | 77 | 333 |
| 4 | Koraput | 14 | 245 | 790 |
| 5 | Mayurbhanj | 2 | 65 | 215 |
| 6 | Raygada | 4 | 226 | 734 |

| | | | | |
|---|--------------|-----------|-------------|-------------|
| 7 | Koraput | 5 | 53 | 184 |
| | Total | 64 | 1229 | 4013 |

(b) & (c) As per information received from Government of Odisha, the OREDA has installed 28 nos. of solar cold storages across the state. Also, under PM JANMAN and DA-JGUA, DISCOMs of the state has electrified 8,359 nos. of unelectrified tribal households through off-grid solar systems and 2,364 nos. of unelectrified tribal households have been connected through micro-grids.

The achievements and funds released to Odisha under Pradhan Mantri-Krishi Urja Suraksha evam Utthaan Mahaabhiyan (PM-KUSUM), Rooftop Solar Programme and Biogas Programme of the Ministry during the FY 2022-23 to 2024-25 are as follows:

| Sl. No. | Schemes | Systems | Installed (Nos.) | CFA Released in (Rs.) |
|---------|-------------------------|---|------------------|-----------------------|
| 1. | PM KUSUM | Standalone Off-Grid Solar Agriculture Pumps | 4925 | 3,44,00,000 |
| 2. | Rooftop Solar Programme | Rooftop Solar Plants | 3844 | 28,97,13,569 |
| 3. | Biogas Programme | Biogas Plants | 241 | 40,64,550 |

(d) No such programme is being taken up.
