

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 353
ANSWERED ON 27/11/2024

SCHEMES TO PROMOTE SOLAR ENERGY

353. SHRI JOYANTA BASUMATARY

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

- (a) whether the Government has introduced any schemes to promote solar energy in the North East and if so, the details thereof;
- (b) the details of the number of schools provided with solar energy systems in the North East region, State-wise;
- (c) whether the Government is considering any financial incentives to increase uptake of solar energy systems of schools in the North East and if so, the details thereof; and
- (d) whether the Government proposes to extend solar panel subsidy for residential installations to include schools and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) The Ministry is implementing various schemes for promotion of solar energy in the country including in the North East region. The detail of these schemes is given as **Annexure I**.

(b) A total of 1496 schools are reported to have installed solar energy systems in North East region. State-wise detail is given as **Annexure II**.

(c) & (d) The New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) has provision for solarisation of 2000 public institutions including schools, through off-grid solar systems, where electricity supply through grid is not techno-economically feasible. The detail of the scheme is available at **Annexure-I**.

Annexure- I referred to part (a), (c) &(d) of the Lok Sabha Unstarred Question no. 353 By Shri Joyanta Basumatary, to be answered on 27.11.2024 on “Schemes to Promote Solar Energy”

Detail of the major ongoing schemes to promote solar energy in the North East region

(i) PM-KUSUM Scheme:

PM-KUSUM (Pradhan Mantri Kisan Urja Suraksha Evam Utthaan Mahabhiyan) scheme is a flagship program to promote small Grid-Connected Solar Power Plants (Component A), installation of stand-alone solar-powered agricultural pumps (Component B) and solarisation of existing grid-connected agricultural pumps including feeder-level solarisation (Component C).

For the North Eastern States the CFA/incentives are as follows: -

- i. Under Component A: Procurement Based Incentives (PBI) @ Rs. 0.40 per unit for five years will be provided to DISCOMs for setting up of Decentralized Ground/Stilt Mounted Solar Power Plants on barren/fallow/pasture/marshy land of farmers. Such plants can be installed by individual farmer, Solar Power Developer, Cooperatives, Panchayats and Farmers Producer Organisations. The PBI is given to the DISCOMs for a period of five years from the Commercial Operation Date of the plant. Therefore, the total PBI that payable to DISCOMs is upto Rs. 33 Lakh per MW
- ii. CFA is provided for all the individual farmers installing/solarising the agriculture pumps in NER/Hilly/Islands up to 7.5HP capacity under both the Component-B and Component-C and are provided with Central Financial Assistance (CFA) of 50% of the benchmark cost or the tender cost, whichever is lower. Further, the CFA will be available for pump capacity up to 15 HP, however, it will be restricted to 10% of total installations in the state.
- iii. Under Feeder Level Solarisation under component C, CFA is calculated considering the cost of the solar power plant as Rs. 3.5 Crore/ MW. Therefore, the CFA of 1.75cr/MW can be provided to States.

(ii) PM Surya Ghar: Muft Bijli Yojana:

Rooftop solar projects in residential sector are being supported under the Scheme. The scheme provides central financial assistance (CFA) of 60% of project benchmark costs for rooftop solar for 1 kW and 2 kW systems and additional 40% of project benchmark costs for the 3rd kW system. The CFA will be capped at 3 kW. Details of CFA amount is as follows:

S. No.	Type of Residential Segment	CFA in NER
1.	Residential Sector (first 2 kW _p)	Rs 33,000/kW _p
2.	Residential Sector (additional 1 kW _p)	Rs 19,800/kW _p
3.	Residential Sector (above 3 kW _p)	No additional CFA
4.	GHS/RWA etc, for common facilities for up to 500 kW _p (@3 kW _p per house)	Rs 19,800/kW _p

In addition, support is also available as incentives to DISCOMs/Local Bodies, development of Model Solar Village, innovative projects, payment security mechanism, capacity building, awareness and outreach, etc.

(iii) Solar Park:

Under the Solar Park Scheme support is provided for preparation of DPR (upto Rs. 25 lakh per Solar Park) and development of infrastructure (up to 20 Lakh per MW or 30% of the project cost, whichever is lower).

(iv) New Solar Power Scheme (for Tribal and PVTG Habitations/Villages) under Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM JANMAN) and Dharti Aaba Janjatiya Gram Utkarsh Abhiyan (DA JGUA):

The Scheme will cover electrification of One Lakh un-electrified households (HHs) in Tribal and PVTG areas identified by Ministry of Tribal Affairs (MoTA) by provision of off-grid solar systems. The scheme includes a provision for providing off-grid solar lighting in 1500 Multi-Purpose Centres (MPCs) in PVTG areas as approved under PM JANMAN. Similarly, the scheme also includes provision for solarisation of 2000 public institutions through off-grid solar systems as approved under DA JGUA. The off-grid solar systems shall be provided only where electricity supply through grid is not techno-economically feasible. The financial outlay approved for the scheme under PM JANMAN and DA JGUA is given below:

S. No.	Components	Central Share (100%)	Approved Financial Outlay (in Rs. Crore)	Timeline
1	Provision of 0.3 kW Solar offgrid system for 1 lakh Tribal and PVTG HHs	Rs. 50,000 per HH or as per actual cost	500	FY 2023-24 to FY 2025-26
2	Solar street lighting and provision of lighting in 1500 MPCs of PVTG areas	Rs. 1 lakh per MPC	15	
3	Solarisation of 2000 public institutions through off-grid solar systems	Rs 1 lakh per kW	400	FY 2024-25 to FY 2028-29

Annexure- II referred to part (b) of the Lok Sabha Unstarred Question no. 353 By Shri Joyanta Basumatary, to be answered on 27.11.2024 on “Schemes to Promote Solar Energy”

Detail of schools reported to have installed solar energy systems in North East region

Sr. No.	State	Number of Schools
1	Arunachal Pradesh	3
2	Assam	1082
3	Manipur	51
4	Mizoram	25
5	Nagaland	299
6	Sikkim	36
Total		1496