

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
STARRED QUESTION NO. 380
TO BE ANSWERED ON 19/03/2020.

USE OF SOLAR ENERGY

*380 DR. BEESETTI VENKATA SATYAVATHI

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

- (a) The details of the schemes of the Union Government in conjunction with State Governments for promotion of use of solar energy in the urban areas, especially in Andhra Pradesh?

ANSWER

THE MINISTER OF STATE (I/C) FOR NEW & RENEWABLE ENERGY, POWER and
MoS for SKILL DEVELOPMENT AND ENTREPRENEURSHIP

- (a) : A statement is laid on the Table of the House.

STATEMENT

Statement as referred in reply to Lok Sabha Starred Question no 380 due on 19.03.2020

The Ministry of New and Renewable Energy (MNRE), inter-alia, is implementing following schemes for promotion of use of solar energy in urban areas throughout the Country including Andhra Pradesh:-

- (i) **Grid Connected Rooftop Solar Programme Phase II:** Under the scheme Central Financial Assistance (CFA) of 40% of the benchmark cost or tender cost, whichever is lower for residential grid connected rooftop systems upto 3 kW and 20% of the benchmark cost or tender cost, whichever is lower is provided for residential grid connected rooftop system of capacity of more than 3kW and upto 10 kW. The scheme also provides CFA of 20% of benchmark cost or tender cost, whichever is lower for group housing societies/ resident welfare associations for supply of power for common facilities. Performance based incentives is provided under the scheme to DISCOMs based on RTS capacity achieved in a financial year (i.e. 1st April to 31st March every year till the duration of the scheme) over and above the base capacity i.e. cumulative capacity achieved at the end of previous financial year as per following rates

S.No.	Parameter	Incentive
1	For installed capacity achieved upto 10% over and above of installed base capacity within a financial year.	No incentive
2	For installed capacity achieved above 10% and up to 15% over and above of installed based capacity within a financial year	5% of the applicable cost for capacity achieved above 10% of the installed base capacity
3	For installed capacity achieved beyond 15% over and above of installed based capacity within one financial year.	5% of the applicable cost for capacity achieved above 10% and up to 15% of the installed base capacity PLUS 10% of the applicable cost for capacity achieved beyond 15% of the installed base capacity.

A capacity of 8MW has been sanctioned to Andhra Pradesh Eastern Power Distribution Company Limited for installation in the residential sector in the year 2019-20.

- (ii) **Off-grid and Decentralized Solar PV Applications Programme of Phase III scheme:**

Under the scheme central financial assistance (CFA) of 30% of the benchmark cost of the system or the tender cost, whichever is lower is provided for solar street lights and solar power plants in General Category States and CFA of 90% of the benchmark cost or tender cost whichever is lower is provided in North Eastern States including Sikkim, Himachal Pradesh, Uttarakhand and UTs of Jammu & Kashmir, Ladakh, Lakshadweep and Andaman & Nicobar Islands. For

the State of Andhra Pradesh, 12,000 nos. of solar street lights have been sanctioned under the scheme.

For Solar Study Lamps, under the scheme CFA of 85% of the lamp cost is provided with balance 15% of the lamp cost to be borne by beneficiary student. The solar study lamps are distributed only in North-eastern States and Left Wing Extremism (LWE) affected districts of the country.

- (iii) **Off-Grid and Decentralized Solar Thermal Technologies for Community Cooking, Process Heat and Cooling Applications in Industrial, Institutional and Commercial Establishments:** Under the scheme CFA is provided @ 20% of the bench mark cost or actual cost whichever is lower to all beneficiaries in all states for installation of Concentrated Solar Thermal Systems for the Community Cooking, Process Heat and Cooling Applications. For Non-profit making bodies and institutions in special category states, viz., NE States, Sikkim, Himachal Pradesh, Uttarakhand and UTs of J&K, Ladakh, Lakshadweep and Andaman & Nicobar Islands CFA @ 40% of the bench mark cost or actual cost whichever is lower is provided.

2. Further, MNRE has been implementing following other schemes which are primarily not urban centric but can be implemented in urban areas also for promotion and use of Solar Energy in the country including Andhra Pradesh:

- Solar Park Scheme for setting up of Solar Parks and Ultra Mega Solar Power Projects targeting over 40,000 MW of solar power projects.
- Scheme for setting up of Grid-Connected Solar PV Power Projects by the Central Public Sector Undertakings (CPSUs) and the Government of India organizations with Viability Gap Funding (VGF).
- VGF Scheme for setting up of 5000 MW of Grid Connected Solar PV Power Projects through Solar Energy Corporation of India (SECI), which has a separate component of 1000 MW for N-E states.
- Atal Jyoti Yojana (AJAY) scheme for Solar Street Light (SSL) in the States of Bihar, Jharkhand, Odisha, Uttar Pradesh, Jammu & Kashmir, Ladakh, Himachal Pradesh, Uttarakhand, North-Eastern States, Islands of Lakshadweep and Andaman & Nicobar and aspirational districts which are not covered in these States including 5 Districts in the State of Andhra Pradesh. 75% of the cost of SSL System is provided through MNRE budget and remaining 25% is provided from MPLADS fund.
- Pradhan Mantri – Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM).