

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
LOK SABHA
UNSTARRED QUESTION NO. 214
ANSWERED ON 20.07.2023

PM-KUSUM

214. DR. KALANIDHI VEERASWAMY
SHRI SANJAY SETH
SHRI KRIPANATH MALLAH
SHRIMATI JASKAUR MEENA

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

- (a) the salient features of the Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyaan (PMKUSUM);
- (b) the quantum of the funds sanctioned, allocated and utilized under PM-KUSUM during the last three years and the current year, State/UT-wise including Tamil Nadu, Assam and Jharkhand;
- (c) the details of the targets set thereunder;
- (d) the details of the achievements made so far, State/UT-wise;
- (e) the steps being taken by the Government to achieve the target timely under PM-KUSUM;
- (f) whether the Government has launched a new plan to augment renewable energy capacity annually for next few years to achieve the target under PM-KUSUM; and
- (g) if so, the details thereof?

ANSWER

THE MINISTER OF NEW & RENEWABLE ENERGY AND POWER

(SHRI R.K. SINGH)

(a) The main objectives of the Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM) include de-dieselisation of the farm sector, providing water and energy security to farmers, increasing the income of farmers and curbing environmental pollution. The Scheme has three components targeted to achieve solar power capacity addition of 30.8 GW by 31.3.2026 with total central financial support of Rs. 34422 Cr. Other salient features of the Scheme are given at **Annexure-I**.

(b) to (d) State-wise targets or fund allocation is not made under PM-KUSUM, as it is a demand driven scheme. The capacities are allocated based on demand received from the states/ UTs. Further, the funds are released to States/UTs on achieving certain milestones.

State/UT-wise standalone solar pumps allocated and installations achieved so far are placed at **Annexure-II**.

The state-wise and year-wise details of the funds released under the Scheme during the last three years and the current year, including Tamil Nadu, Assam and Jharkhand are placed at **Annexure III**.

(e) to (g) Major steps, including new initiatives, taken by the Government to achieve PM KUSUM targets in timely manner are furnished at **Annexure IV**.

Annexure-I referred in reply to part (a) of the Lok Sabha unstarred question no. 214 to be answered on 20.07.2023

Other salient features of PM- KUSUM Scheme

Components, Targets & Criteria	Financial Assistance available
<p>The Scheme is demand driven and open for all farmers of the country for implementation as per guidelines issued for the Scheme</p> <p>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. Such plants can be installed by individual farmer, Solar Power Developer, Cooperatives, Panchayats and Farmers Producer Organisations.</p> <p>Component B: Installation of 20 Lakh Stand-alone Solar Pumps in off-grid areas.</p> <p>Component C: Solarisation of 15 Lakh Grid Connected Agriculture Pumps through (i) Individual Pump Solarisation and (ii) Feeder Level Solarisation.</p> <p>The beneficiaries under Component-B and Component-C could be individual farmer, Water User Associations, Primary Agriculture Credit Societies and Communities/Cluster Based Irrigation Systems.</p>	<p>Procurement Based Incentive (PBI) to the DISCOMs @ 40 paise/kWh or Rs.6.60 lakhs/MW/year, whichever is lower, for buying solar/ other renewable power under this scheme. 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 payable to DISCOMs is Rs. 33 Lakh per MW.</p> <p>For Component-B and individual pump solarisation under Component-C: CFA of 30% of the benchmark cost issued by MNRE or the prices of the systems discovered in the tender, whichever is lower is provided. However, in North Eastern States including Sikkim, Jammu & Kashmir, Ladakh, Himachal Pradesh and Uttarakhand, Lakshadweep and A&N Islands, CFA of 50% of the benchmark cost issued by MNRE or the prices of the systems discovered in the tender, whichever is lower, is provided. In addition, the respective state/UT has to provide at least 30% financial support. Balance cost is to be contributed by beneficiary.</p> <p>For agriculture feeder solarization, CFA of Rs 1.05 Crore per MW is provided. There is no mandatory requirement of financial support from participating State/UT. The feeder solarisation can be implemented in CAPEX or RESCO mode.</p>

Annexure-II referred in reply to parts (b) to (d) of the Lok Sabha unstarred question no. 214 to be answered on 20.07.2023

Progress under PM-KUSUM (as on 30.06.2023)

S. No.	State	Component-A (MW)		Component-B (Nos)		Component-C (Nos)		
		Sanctioned	Installed	Sanctioned	Installed	Sanctioned (IPS)	Sanctioned (FLS)	Installed
1	Arunachal Pradesh	2	0	400	179	0	0	0
2	Assam	10	0	4000	0	1000	0	0
3	Chhattisgarh	30	0	0	0	0	330500	0
4	Bihar	0	0	0	0	0	0	0
5	Gujarat	500	0	8082	2459	2000	300500	0
6	Goa	150	0	200	0	0	11000	0
7	Haryana	85	2.25	252655	55749	0	65079	0
8	Himachal Pradesh	50	20.2	1580	501	0	0	0
9	Jammu & Kashmir	20	0	5000	632	4000	0	0
10	Jharkhand	20	0	36717	12844	1000	0	0
11	Karnataka	0	0	10314	314	0	337000	0
12	Kerala	40	0	100	8	45100	3200	74
13	Ladakh	0	0	2000	0	0	0	0
14	Madhya Pradesh	600	10.13	17000	7325	0	295000	0
15	Maharashtra	700	0	225000	61514	0	275000	0
16	Manipur	0	0	150	78	0	0	0
17	Meghalaya	0	0	1035	35	0	0	0
18	Mizoram	0	0	4700	0	0	0	0
19	Nagaland	5	0	265	0	0	0	0
20	Odisha	500	0	5741	1393	40000	10000	0
21	Puducherry	0	0	0	0	0	0	0
22	Punjab	220	0	78000	12864	186	100000	0
23	Rajasthan	1200	80.5	198884	59234	1144	100000	1375
24	Tamil Nadu	424	0	7200	3187	0	0	0
25	Telangana	0	0	400	0	0	8000	0
26	Tripura	5	0	8021	1896	2600	0	50
27	Uttar Pradesh	155	0	66842	23843	1000	370000	0
28	Uttarakhand	0	0	3705	318	200	0	0
29	West Bengal	0	0	10000	0	23700	0	20
	Total	4716	113.08	947991	244373	121930	2205279	1519

**Annexure-III referred to in reply to parts (b) to (d) of Lok Sabha Starred
Question No. 214 to be answered on 20.07.2023**

Funds Released Under PM- KUSUM Scheme (till 30.06.2023)

(Amounted released in Rs. Crore)

S. No.	States/UTs	2020-21	2021-22	2022-23	2023-24*
1.	Arunachal Pradesh	0	0	0.82	0
2.	Assam	0	0	0	0
3.	Gujarat	3.95	0	7.83	0
4.	Haryana	51.33	161.12	137.95	25.15
5.	Himachal Pradesh	2.8	0	5.85	0
6.	Jammu & Kashmir	0	0	15.69	0
7.	Jharkhand	16.05	0	20.03	0
8.	Karnataka	1.26	0	0	2.38
9.	Madhya Pradesh	0	0	0	0
10.	Maharashtra	0	9.6	247.60	93.47
11.	Manipur	0.36	0	0.23	0.31
12.	Meghalaya	0.28	0	0	0
13.	Nagaland	0	0	0.20	0
14.	Odisha	0.77	0	0	0
15.	Punjab	8.28	23.7	31.11	0
16.	Rajasthan	52.06	153.49	247.64	0
17.	Tamil Nadu	0	20.3	0	0
18.	Tripura	3.96	7.36	0.12	0
19.	Uttarakhand	0	0	4.00	9.82
20.	Uttar Pradesh	15.34	13.73	82.29	0
21.	Others	0	16.75	0	0
Total		156.43	406.04	801.36	131.13

* For FY 2023-24 data available till 30.06.2023

Annexure-IV referred in reply to part (e) to(g) of the Lok Sabha unstarred question no. 214 to be answered on 20.07.2023

Steps taken by Ministry for proper implementation of the PM-KUSUM Scheme inter-alia include:

- PM-KUSUM Scheme has been extended till 31.03.2026.
- Central Financial Assistance (CFA) is available for pump capacity up to 15 HP (increased from 7.5 HP) to the individual farmers in the North-eastern States, UTs of Jammu & Kashmir and Ladakh, States of Uttarakhand and Himachal Pradesh and Island UTs of Andaman & Nicobar and Lakshadweep, and for each farmer in the cluster/ community irrigation projects in high water table areas in all the States/ UTs.
- Meetings with Banks/FIs for availability of low cost financing to farmers.
- State level tender allowed for procurement of standalone solar pumps
- Time period extended for implementation to 24 months from the date of initial sanction.
- Requirement of performance bank guarantees under Component-A and Component-C (Feeder Level Solarization) relaxed.
- Tender conditions have been revised to increase the installer base in order to expedite extending benefit under the Scheme.
- Solarization of pumps under the Scheme included under Agriculture Infrastructure Fund (AIF) to provide subsidized loans to farmers.
- Scheme included under Priority Sector Lending (PSL) Guidelines of the Reserve Bank of India (RBI) to enable ease of accessing finance. Further, a number of banks have issued lending guidelines for the Scheme.
- Specifications & testing procedure of the solar pumps have been revised time to time to promote quality of installations.
- Web-Portals at Central and at State levels have been developed for monitoring of Scheme.
- Creating publicity and awareness including through CPSUs.
- Toll free number provided for ease of getting information on the Scheme.
- Regular monitoring of the progress and issuance of clarifications and amendments to the scheme guidelines based on lessons learnt during implementation and feedback from stakeholders
- Extension granted for projects sanctioned during January, March and June 2021 under Component B till 31.12.2023
- For sanction issued during FY 2019-20, an extension is granted till 31.01.2024 under Component-A. Similar extension is issued for sanction granted under Component A during FY 2020-21 till 30.09.2024.
- The Guidelines of the scheme have been revised on 12.07.2023 to simplify the land aggregation process in Component 'C'.