

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 3659
ANSWERED ON 24.03.2026

UTILISATION OF OFF-GRID SOLAR PUMPS UNDER PM-KUSUM SCHEME
3659. SHRI SANJAY SINGH

Will the minister of new and renewable energy be pleased to state:

- (a) the total number of off-grid standalone solar pumps installed under the PM-KUSUM scheme (Component B) since its launch in 2019 and the year-wise budget allocations, actual releases and utilisation of these funds;
- (b) the actual utilisation data of these solar pumps based on reports of remote monitoring system (RMS), including days of operation per year and solar energy generated versus utilised;
- (c) whether it is a fact that a significant proportion of these pumps remain idle for half the year or more, leading to under-utilisation of installed solar capacity and if so, the reasons therefor; and
- (d) the State-wise details of utilisation rates?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER

(SHRI SHRIPAD YESSO NAIK)

(a) PM-KUSUM is a demand-driven scheme, and capacities are allocated based on the demand raised by the state. The responsibility of beneficiary selection and implementation is of the State Implementing Agency (SIA). As reported by SIAs, as on 28.02.2026, a total of 10,26,282 solar pumps has been installed under PM KUSUM scheme since its inception.

The funds under the scheme are released based on the progress of installation reported by the State Implementing Agencies (SIA) and as per provisions of the scheme guidelines. The year-wise details of budget allocation and fund released under PM-KUSUM Scheme, as on 28.02.2026, is as follows:

(Rs in Crore)

Financial Year	Budget Estimate	Revised Estimate	Expenditure till date
2019-20	-	-	151.26
2020-21	1000.00	210.00	156.43
2021-22	997.30	690.26	406.04
2022-23	1715.90	1325.00	801.36
2023-24	1996.46	1100.00	996.33
2024-25	1996.00	2681.20	2,564.14
2025-26	2600.00	5000.00	3,826.43

(b) to (d) Solar agricultural pumps are used as per the irrigation needs of crops and, therefore, their utilisation varies during the year. It is estimated that the solar pumps are operated 150 days in a year and mainly operated during crop seasons. The usage is relatively lower during non-irrigation periods and also depends on various factors such as cropping pattern, rainfall and seasonal water requirement etc. The PM KUSUM Scheme also have the provisions of Universal Solar Pump Controller (USPC), through which farmers can use excess solar power generated from the solar pumps for other activities like operating chaff cutter, floor mill, cold storage, drier, etc. during the non-irrigation period.

The state wise solar pumps synced on the national portal is placed at **Annexure I**. The analysis of available solar generation data indicates that more than 87% of solar pumps are used/operational during last one year.

Solar pumps under PM KUSUM which are synced on national portal through Remote Monitoring System

(As on 28.02.2026)

Sr No.	State Name	Component-B (No. of pumps Installed)	
		Installations	Synced on National Portal
1	Arunachal Pradesh	6,99	561
2	Assam	1,066	-
3	Goa	200	-
4	Gujarat	15,558	15,558
5	Haryana	1,85,582	1,85,451
6	Himachal Pradesh	1,091	261
7	Jammu And Kashmir	4,154	2,783
8	Jharkhand	52,607	46,632
9	Karnataka	5,533	2,843
10	Kerala	8	8
11	Ladakh	265	-
12	Madhya Pradesh	7,672	7,100
13	Maharashtra-MEDA	2,17,966	2,02,880
14	Maharashtra-MSEDCL	2,95,000	2,15,139
15	Manipur	150	121
16	Meghalaya	98	1
17	Mizoram	40	-
18	Nagaland	244	65
19	Odisha	13,229	8,515
20	Punjab	17,879	15,676
21	Rajasthan	1,25,711	99,596
22	Tamil Nadu	5,176	5,152
23	Tripura	7,369	5,014
24	Uttar Pradesh	67,186	65,851
25	Uttarakhand	2,379	318
Total		10,26,862	8,79,525