

KSEBL - Achievement in PM Surya Ghar:

Ministry of Power, Government of India announced a new scheme on 22nd January 2024 which has been named PM Surya Ghar: Muft Bijli Yojana. The aim of this scheme is to reduce or reduce the electricity bill expenses of 1 crore people to zero by installing rooftop solar panels in their homes. The official website for Pradhan Mantri Surya Ghar Yojana www.pmsuryaghar.gov.in has been launched.

<https://www.pmsuryaghar.gov.in/>



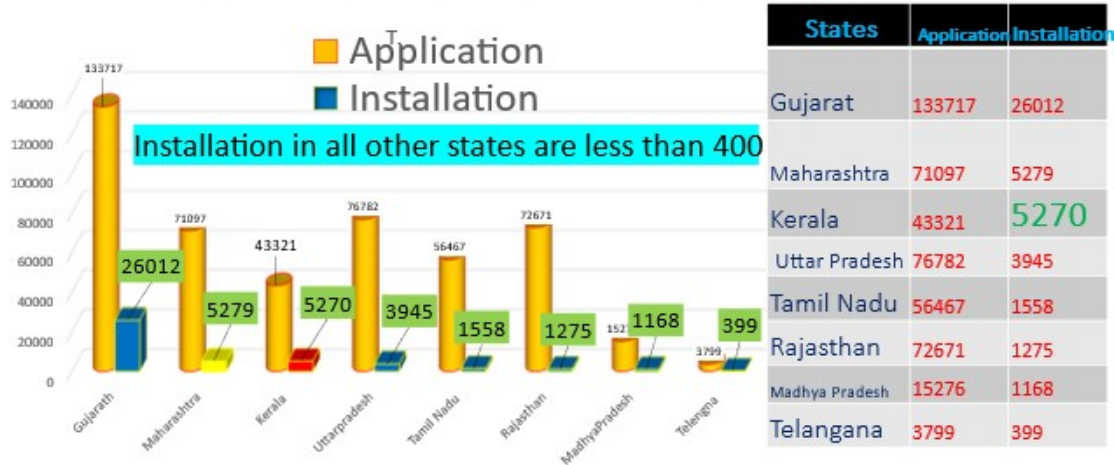
The screenshot shows the official website for the PM - SURYA GHAR: MUFT BIJLI YOJANA National Portal. The header includes the Government of India logo and the Ministry of New And Renewable Energy. The main navigation bar contains links for 'What Is New', 'DISCOM Information', 'Financing Options', 'Knowledge Centre', 'Contact Us', and 'Login'. A green banner below the navigation bar contains the text: 'All Vendors are requested to send their videos/lectures, audio visual training material or animated films etc for training on solar'. Below this, another green banner states: 'e of CFA/subsidy for applications submitted on National Portal will resume after the end of Model Code of Conduct for General Elections, 2024.' The main content area features a 'Quick Links' section with three buttons: 'Apply For Rooftop Solar', 'Subsidy Structure', and 'Registered Vendors'. To the right of the quick links is a large image of solar panels with the text 'PM SURYA GHAR MUFT BIJLI YOJANA' overlaid.

All measures are set in position to bring out the beneficial outcome to populace this scheme in the state of by KSEBL. Accordingly various measures were taken across the state for registration of applicants and installation of Rooftop plants.



Kerala state is figuring in 3rd Position as far as installation of rooftop plants are concerned. After Gujarat and Maharashtra, Kerala is a front runner among 36 states /UT in India. Further the state is almost equal with the second possie, Viz Maharashtra.

PM Surya Ghar – State wise comparison



The information is tabulated to analyse the status of different states in the country - Registration, application, and installation of Rooftop plants under PM SuryaGhar Project.

S. No.	State	Total Registration	Total Application	No. of available vendors	Present total Installation as on date
1	2	3	4	5	6
1	ARUNACHAL PRADESH	725	22	0	0
2	MEGHALAYA	7,601	1,259	0	0
3	JAMMU and KASHMIR	2,80,341	4,705	1	0
4	HIMACHAL PRADESH	1,49,023	1,675	3	0
5	ASSAM	16,67,370	1,46,728	57	24
6	MAHARASHTRA	14,19,230	71,097	1,092	5,279
7	KERALA	2,06,479	43,321	742	5,270
8	HARYANA	3,04,787	42,345	185	385
9	ODISHA	12,27,175	24,499	55	5
10	BIHAR	8,45,213	21,400	101	26
11	ANDHRA PRADESH	3,06,692	16,209	121	212
12	MADHYA PRADESH	4,91,793	15,276	276	1,168
13	WEST BENGAL	3,27,341	14,535	34	0
14	TELANGANA	1,06,235	9,485	273	399
15	UTTARAKHAND	1,25,756	7,019	146	202
16	PUNJAB	1,06,571	3,799	207	340
17	JHARKHAND	2,49,113	4,431	20	0
18	CHHATTISGARH	2,03,294	3,428	72	29
19	TAMIL NADU	9,42,018	56,467	331	1,558
20	RAJASTHAN	3,37,630	72,671	785	1,275

S. No.	State	Total Registration	Total Application	No. of available vendors	Present total Installation as on date
1	2	3	4	5	6
21	GUJARAT	9,98,813	1,33,717	5,632	26,012
22	UTTAR PRADESH	16,28,833	76,782	4,911	3,945
23	NCT OF DELHI	14,477	1,676	111	22
24	KARNATAKA	4,16,457	11,667	922	192
25	PUDUCHERRY	18,715	401	29	53
26	GOA	9,135	259	35	20
27	MANIPUR	1,807	117	13	0
28	SIKKIM	346	18	4	0
29	CHANDIGARH	2,543	32	9	0
30	LAKSHADWEEP	352	12	4	0
31	THE DADRA AND NAGAR HAVELI AND DAMAN AN	4,289	77	7	1
32	LADAKH	2,582	87	7	0
33	ANDAMAN AND NICOBAR ISLANDS	828	36	2	0
34	NAGALAND	1,024	175	5	1
35	TRIPURA	8,390	373	3	0
36	MIZORAM	2,877	494	2	0
	Grand Total	1,23,95,865	7,85,852	16,171	46,418





Dashboard of MNRE is set out below for KSEB. The registration of consumers as of date proliferated from 43321 to 70398 which is a positive key performance indicator (KPI) of the organisation.

Dashboard (National Portal for PM-Surya Ghar: Muft Bijli Yojana)



Major Highlights of the scheme

Central Financial Assistance (CFA) for Residential Rooftop Solar

-  CFA of Rs 30,000 for 1 kW system, Rs 60,000 for 2 kW systems and Rs 78,000 for 3 kW systems or higher.
-  100% online process for registration, application, approvals and subsidy release.
-  Consumers have choice of vendor for installation of RTS
-  Collateral-free low-interest loan products (~7%) for installation of residential RTS systems up to 3 kW.

Other Features of the Scheme

-  Model Solar Village to be developed in each district to act as a role model for adoption of rooftop solar in rural areas
-  Incentives to Urban Local Bodies and Panchayati Raj Institutions for promoting RTS installations.
-  Component for payment security for RESCO models as well as a fund for innovative projects in RTS.

Expected Outcome and Impact

- ❖ **Reduction of electricity bills** as well as additional income for residential consumers through sale of surplus power to DISCOMs
- ❖ Addition of **30 GW of Solar capacity** through rooftop solar in the residential sector.
- ❖ Reduction in **720 million tonnes of carbon emissions** over the 25-year lifetime of Rooftop Systems
- ❖ Creation of **17 lakh direct jobs** in manufacturing, logistics, supply chain, sales, installation, O&M and other services



MNRE increased the subsidy amount/ CFA (Central financial assistance) as below. The benefit accorded for low-capacity plants are attracting middle class consumers to the scheme.

Subsidy Structure

Subsidy as per previous orders		Subsidy under PM – Surya Ghar: Muft Bijli Yojna	
Plant Capacity	General Category States/UTs	Suitable Rooftop Solar Plant Capacity	Subsidy Support
Up to 3 kW	Rs. 18000/- per kW	1 kW	Rs 30,000/-
Above 3 kW and up to 10 kW	Rs. 18000/- per kW for first 3 kW and thereafter Rs. 9000/- per kW (subsidy limited to 10 kW capacity)	2 kW	Rs 60,000/-
For RWA/ Group Housing Societies	Rs. 9000/- per kW	3 kW	Rs 78,000/-
		Above 3kW	Rs 78,000/-


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Many Banks are onboarded for providing collateral free loans at low interest rates.

Loan Products from Banks for Consumers

- ❖ **National Banks** are being onboarded for providing collateral free loans at low interest rates.
- ❖ A **standard loan product** across all banks will be provided to beneficiaries.
- ❖ The rate of interest on the **loan product shall be around 7%**
- ❖ The following Banks have released such specific products:

<ul style="list-style-type: none"> ▪ Indian Overseas Bank ▪ UCO ▪ Canara bank ▪ Bank of India ▪ Bank of Baroda 	<ul style="list-style-type: none"> ▪ Union Bank of India ▪ Indian Bank ▪ Central Bank of India ▪ State Bank of India
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- ❖ Loan Product offered by State Bank of India – [Click Here](#)



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Registration process and Application are hassle free and completely on line. All process until Grid connection will be assisted by Nodal officer or District officers of Discom designated for the purpose.

Registration Process

- ❖ Eligibility: Should have **Rooftop Ownership** and **Electricity Connection**
- ❖ Required documents: Only **Electricity Bill** is required

How to register?

National Portal (<https://pmsuryaghar.gov.in>)

[Click Here](#)

PM – Surya Ghar App

[Click Here](#)

QRT PM Surya Ghar App, QR Code and Microsite via CSC VLE*

[Click Here](#)

*Common Service Centre Village Level Entrepreneur & can only be used for registration

Application Process



- ❖ After Registering for the PM-Surya Ghar: Muft Bijlee Yojana, the consumers will have to submit their Application for installation of Solar Rooftop Plant.
- ❖ The consumer will have to provide their **latest electricity bill (from last 6 months)** for successful submission of application.
- ❖ Application can be submitted through **Mobile App** OR **National Portal**

As per Geographical position, Kerala is having added advantage in Solar generation. Generation status of North, East and West is compared below.

A QR Code is designed and depicted below for ease of registration of the beneficiaries. A mobile app is also designed and made available to public for navigation from day 1 to release of subsidy.

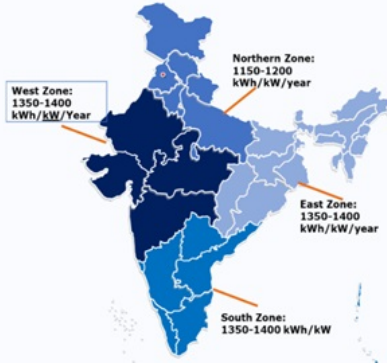
A link is created below to help the consumers to understand and complete the process flow in simple steps.

https://drive.google.com/file/d/1IZIR8GBX1HRiLAQELnxj_pLrLCtdyko/view?usp=sharing

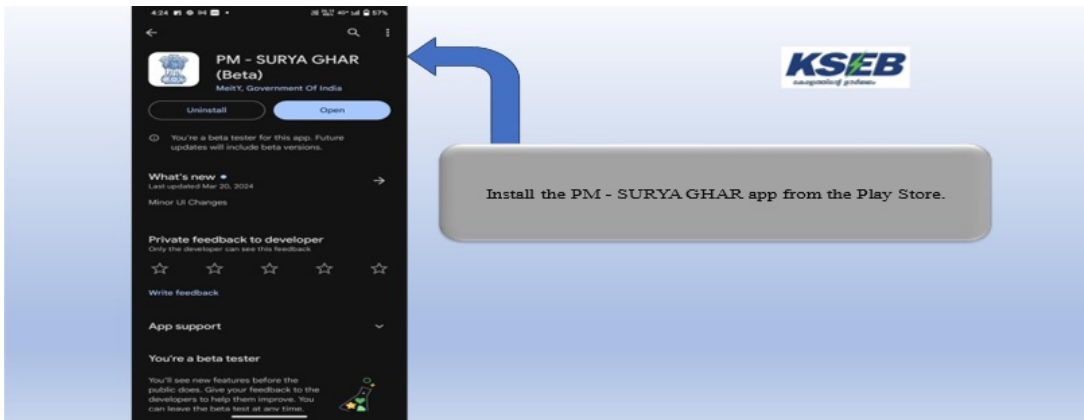
Solar Rooftop System

Daily energy generated from a 1 kWp Solar Power Plant

- On a clear sunny day, a **1 kWp solar power plant can generate 4 to 5.5 units in a day.**
- However, day-to-day and seasonal variations exist.



Promotional Activities



Conclusion:

It is our endeavor to facilitate Renewable Energy and achieve state target to become 100% renewable energy-based by 2040 and a net-carbon-neutral in 2050.
