

E-File No. M-17/4/2024-O/o SPV-ELE-ELE_AN

अण्डमान तथा निकोबार प्रशासन

ANDAMAN AND NICOBAR ADMINISTRATION

सचिवालय:SECRETARIAT

Sri Vijaya Puram dated the 23rd October, 2024**Scheme Guidelines****For Implementation of the Scheme" PM-SURYA GHAR: MUFT BIJLI YOJANA, ANI"**

(For installation of Rooftop Solar in residential households in A&N Islands through National Portal under PM-SURYA GHAR: MUFT BIJLI YOJANA of Govt. of India)

1. Definitions and Interpretations:

- a. "**JERC**" means Joint Electricity Regulatory Commission.
- b. "**EDANI**" means Electricity Department Andaman & Nicobar Islands.
- c. "**APPC**" means Average Pooled Purchase Cost of electricity as approved by the Commission for the year.
- d. "**Commission**" means Joint Electricity Regulatory Commission.
- e. "**Eligible Consumer**" means a consumer of electricity in the area of supply of EDANI, who intends to install a grid interactive solar PV system installed in his premises, to offset part or all of the consumer's own electrical requirements, given that such systems can be self-owned.
- f. "**MNRE**" means Ministry of New & Renewable Energy, Govt. of India.
- g. "**Premises**" means areas on the land, building or infrastructure or part or combination thereof in respect of which a separate meter or metering arrangements have been made by EDANI for supply of electricity.
- h. "**Project Implementing Agency**" means EDANI, or any other agency notified by Central Government/State Government for implementation of RTS projects in ANI.
- i. "**Regulations**" means JERC (Solar PV Grid Interactive System based on Net Metering) Regulations, 2019 or referred to as Net metering Regulations, 2019 and its subsequent amendments as amended from time to time.
- j. "**Rooftop Solar (RTS)**" means the concept of rooftop solar is based on the scale of the PV plant rather than the fact whether it is situated on a roof/terrace or not. Hence the definition of RTS will also include small plant on the ground residing within the boundary of the facility.
- k. "**Installed Capacity**" means the final output capacity of solar PV modules Installed in the premises of the eligible consumer.

2. Preamble

2.1 The Hon'ble Prime Minister, Shri Narendra Modi, announced the launch of rooftop solar scheme for free electricity PM Surya Ghar Muft Bijli Yojana on 07th June, 2024. During the launch, the Hon'ble PM quoted as:

"In order to further sustainable development and people's wellbeing, we are launching the PM Surya Ghar: Muft Bijli Yojana. This project, with an investment of over Rs. 75,000 crores, aims to light up 1 crore households by providing up to 300 units of free electricity every month."

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- 2.2 The Union Cabinet, chaired by the Hon'ble Prime Minister Shri Narendra Modi, has approved PM-Surya Ghar: Muft Bijli Yojana on 29th February, 2024 with a total outlay of Rs.75,021 crore for installing rooftop solar and providing free electricity up to 300 units every month for One Crore households. Under this scheme, rooftop solar power units will be installed, and households will be able to save electricity bills as well as earn additional income through the sale of surplus power to distribution companies.
- 2.3 These guidelines are prepared for implementation of the scheme "PM-Surya Ghar: Muft Bijli Yojana, ANI" for installation of rooftop solar in residential households in A&N Islands.

3. Key features & Objective of the Guidelines:

3.1 Key features of the Guidelines

- a) These guidelines shall be applicable to all eligible residential consumers of A&N Islands willing to install Grid Connected Rooftop Solar Power Plant within their premises under PM-Surya Ghar: Muft Bijli Yojana, ANI.
- b) As per Office Memorandum (OM) No. 318/16/2024-Grid Connected Rooftop, Gol dated 19th February 2024 issued by MNRE, the Central Financial Assistance (CFA)/ subsidies provisioned under PM-Surya Ghar: Muft Bijli Yojana would be applicable with immediate effect on all residential applications submitted in the National Portal from 13.02.2024.

3.2 Objective of the Guidelines:

- a) The primary objective of this guideline is to promote the use of solar rooftops in residential households as a source of electricity that will help in saving electricity bills as well as earning additional income through the sale of surplus power to EDANI. The purpose of the Central Government's scheme PM Surya Ghar: Muft Bijli Yojana is to encourage the use of clean energy by installing solar panels on household rooftops and to supply free electricity up to 300 units to light One Crore homes. To reduce financial burden, the goal is to help people to provide free electricity to light homes, and lower electricity bills. People will benefit from lower electricity bills through this program. Additionally, adding solar panels to the roof will contribute to maintaining a clean environment towards a greener planet.
- b) To create an enabling environment for installation of rooftop solar power plant on the households will help in saving electricity bills by making use of solar energy. This will also help in earning an additional income by means of selling the surplus power generated to EDANI.
- c) The necessary framework for the implementation of Grid Connected Rooftop Solar Power Plants in residential households under PM Surya Ghar: Muft Bijli Yojana in the State shall be under the overall framework of MNRE guidelines and as decided by the State Government from time to time. In case of any discrepancy, the MNRE guidelines on the scheme will prevail.

4. Major highlights of PM-Surya Ghar: Muft Bijli Yojana

- a) The scheme provides a CFA of 60% of system cost for 2 KW systems and 40% of additional system cost for systems between 2 to 3 KW capacity. The CFA will be capped at 3 KW. At current benchmark prices, this will mean Rs 33,000 subsidy for 1 KW system, Rs 66,000 for 2 KW systems and Rs 85,,800 for 3 KW systems or higher.

- b) The households will apply for subsidy through the National Portal and will be able to select a suitable vendor for installing rooftop solar. The National Portal will assist the households in their decision-making process by providing relevant information such as appropriate system sizes, benefits calculator, vendor rating etc.
- c) Households will be able to access collateral-free low-interest loan products of around 7% at present for installation of residential RTS systems up to 3 KW.
- d) Through this scheme, the households will be able to save electricity bills as well as earn additional income through the sale of surplus power to DISCOMs. A 3KW system will be able to generate more than 300 units a month on average for a household.
- e) Households can register themselves on <https://pmsuryaghar.gov.in> to avail benefits under the scheme. The National Portal (<https://pmsuryaghar.gov.in>) facilitates consumers to install RTS. The portal enables quick and easy digital process for:
- Accessing subsidies under the PM Surya Ghar: Muft Bijli Yojana
 - Feasibility and other approvals from Discoms
 - Viewing and selecting suitable vendors for installation, applying for easy loans from different financial institutions, estimation of suitable rooftop solar system size and financial parameters.

5. Subsidy Structure under PM-Surya Ghar: Muft Bijli Yojana

Under the scheme, Consumer shall initially pay the entire upfront cost of the RTS plant as per the cost given by vendor selected by the consumer through National Portal whereas subsidy (Central & UT) shall be provided after installation & commission of the plant on reimbursement basis to the consumer as per the admissibility provisioned by MNRE and A&N Administration respectively.

The following subsidy pattern under this program is applicable for residential households only.

5.1 Central Subsidy

The existing central subsidy under this program are as under:

-Rs. 33,000/- per kW up to 2 kW

-Rs. 19,800/- per kW for additional capacity up to 3 kW

-Total Subsidy for systems larger than 3 kW capped at Rs 85,800

The Suitable Rooftop Solar Plant Capacity for residential households is as under:

Average Monthly Electricity Consumption (units)	Suitable Rooftop Solar Plant Capacity
0-150	1-2 kW
150-300	2-3 kW
>300	Above 3 kW

5.2 Additional State Subsidy

a) To promote installation of Grid Connected Rooftop Solar power plants under Net metering arrangement on large scale in residential sectors, State Government will provide subsidy which will be disbursed to the beneficiary on reimbursement basis after successful installation and commissioning of Rooftop Solar System with Net metering and submission of all documents to Electricity Department Andaman & Nicobar Islands (EDANI).

b) The State Subsidy will be disbursed by EDANI to the consumers after completion of system installation and release of Central Subsidy by MNRE, Govt. of India.

c) The State Subsidy provided by UT Administration of A&N Islands along with Central subsidy and minimum contribution by consumer is as under:

Sl. No.	Residential RTS capacity	MNRE Share Central Finance Assistance (CFA) per KWp	Consumer Share per KWp	UT Share UT Financial Assistance (UTFA) per KW p
1.	First 2 kWp of RTS capacity or part thereof)	Rs 33,000/-	Rs 20,000/-	Will vary according to vendor cost, subject to maximum UTFA of Rs. 45,000 per KWp. Any additional share beyond Rs. 45,000 per KWp will also have to be borne by the Consumer.
<p>Note: For Rooftop Solar Plant up to 2 KWp capacity, a subsidy for a maximum amount of Rs. 45000/- per KWp shall be available after factoring in admissible central subsidy and minimum consumer share of Rs. 20,000/- per KWp (subsidy amount for part capacity thereof shall be based on admissible UT share). Any extra/remaining cost will be borne by the consumer depending upon the total cost of the RTS plant as per the rate provided in National portal accepted by consumer in agreement with the selected vendor.</p>				
2.	With additional RTS capacity of 1 kWp or part thereof (up to initial 2 KWp capacity, subsidy conditions will be as ascribed above)	Rs 19,800/-	Rs 27,000/-	Will vary according to vendor cost, subject to maximum UTF A of Rs. 27,000 per KWp. Any additional share beyond Rs. 27,000 per KWp will also have to be borne by the Consumer.
<p>Note: For Rooftop Solar Plant of capacity between 2 KWp up to 3 KWp, a subsidy for a maximum amount of Rs. 27000/- per KWp shall be available after factoring in admissible central subsidy and minimum consumer share of Rs. 27,000/- per KWp (subsidy amount for part capacity thereof shall be based on admissible UT share). Any extra/remaining cost will be borne by the consumer depending upon the total cost of the RTS plant as per the rate provided in National portal accepted by consumer in agreement with the selected vendor.</p>				
3.	With additional RTS capacity beyond 3 KWp)	NIL	Full additional cost beyond 3 KW	NIL

d) The State Subsidy will be provided in addition to Central Subsidy available from Ministry of New and Renewable Energy (MNRE), Government of India which will be disbursed by EDANI to the same bank account of consumer where the Central Subsidy is released.

e) In Phase-I, the UT will provide subsidy to 3000 residential households on the first come first serve basis based on valid online applications submitted on National Portal (<https://pmsuryaghar.gov.in>)

5.3 Total Subsidy on Residential Rooftop Solar Plants in A&N Islands

SI. No	Solar Plant Capacity	Central Subsidy from MNRE, Gol(Rs.)	Max. UT Subsidy admissible (vary according to vendor cost after factoring in min. consumer share)
1	1 KW	33000/-	45000/-
2	2 kW	66000/-	90000/-
3	3 kW and above	85800/-	1,17,000/-

5.4 Subsidy will be released on reimbursement basis after successful installation of rooftop solar system. Further, Subsidy will be disbursed in proportion to the installed capacity.

5.5 The beneficiaries can avail easy loan from banks at 7% interest rate for installation of residential rooftop solar systems up to 3 KWp.

6 Vendor Registration Process in National Portal under PM-Surya Ghar: Muft Bijli Yojana, ANI

(Instruction to the Vendors)

The process of empanelment of vendors for the installation of Solar Rooftop plants in residential sector under PM Surya Ghar Muft Bijli Yojana through the National Portal is being carried out by EDANI. The vendors willing to execute the projects through National Portal <https://pmsuryaghar.gov.in> can get registered with EDANI by submitting an application along with a declaration in the given format given and depositing a Performance Bank Guarantee (PBG) of Rs. 2,50,000/- valid for at least five years as well as the submission of the required declaration format and other documents.

The entire process has been explained in the following steps:

- Open National Rooftop Portal (<https://pmsuryaghar.gov.in>)
- Click on the Vendor Registration for PM Surya Ghar.
- Register by providing the basic details in the form, like Name, Address,

Mobile No, E- mail, PAN No, GSTIN No. and submit the following documents-

- Bank Guarantee (Annex-A)
- Declaration from vendor (Annex-B)

EDANI will upload the details of the registered vendors on the National Portal and the vendors will receive a registration e-mail. The vendors can then login into the National Portal with PAN No. and mobile number (used by EDANI for registration) and enter the product rates and contact details. The details entered by the vendor will be visible to the consumer submitting application to EDANI for rooftop solar. EDANI will update the list time to time.

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7. Processing Guidelines

Stepwise Procedure to apply for rooftop solar under PM-Surya Ghar: Muft Bijli Yojana, ANI

(Instruction to the Applicants)

To avail central subsidy in the bank account, first the residential consumers shall have to register on the National Portal <https://pmsuryaghar.gov.in>. The stepwise procedure to apply for rooftop solar in PM Surya Ghar: Muft Bijli Yojana are as under:

a) **Step-1:** The eligible residential consumer in the legal possession of the premises on which RTS plant is proposed to be installed shall register at National Portal through the link <https://pmsuryaghar.gov.in>. Follow the instructions given on the portal for registration.

Under the scope of Applicant

Register in the portal (<https://pmsuryaghar.gov.in>) with the following:
-Select your Electricity Distribution Company [Electricity Department, A&N Islands]
-Enter your Electricity Consumer Number
-Enter Mobile Number
-Enter Email

Under the scope of Applicant

b) **Step-2:** After registration, login into the account and click submit application. Fill the information required in the format and submit the application.
-Login with Consumer Number & Mobile Number
-Apply for the Rooftop Solar online as per the form

Under the scope of EDANI

c) **Step-3:** The submitted application will reach directly to EDANI for technical feasibility approval, if all details are correct, the application shall be accepted by EDANI, else the application may be rejected or returned for correction. In accordance to Notification dated 13.09.2024, requirement of technical feasibility up to 10 KWp has been waived off by A&N Administration and hence the capacity shall be deemed approved & load enhancement if any required shall be done by EDANI. For the proposed solar plant capacity beyond 10 KWp, EDANI officials shall carry out the Technical Feasibility study and will issue final approval within 3 working days.

Under the scope of Applicant

d) **Step-4:** On receipt of Technical Feasibility waiver or approval as the case may be, the applicant can sign an agreement with the selected registered vendor and proceed for installation of the plant. The list of registered vendors will be visible on the National Portal. It is mandatory to get the rooftop solar system installed from any of the vendors registered/empanelled with APDCL. The Ministry has specified minimum technical specifications and standards for rooftops solar systems, which are to be followed. The applicant will have the option to choose the vendor offering equipment of higher quality/efficiency. The domestically manufactured solar modules using domestically manufactured solar cells

should only be used by the applicant. In addition, the inverter should also be BIS certified.

Under the scope of Vendor & Applicant

e) **Step-5:** After completion of installation of the plant, submit installation details in the National Portal, upload a photo of the applicant with the rooftop solar plant along with other necessary documents as per portal requirement and apply for net meter/bi- directional meter.

Under the scope of EDANI

f) **Step-6:** EDANI officials will inspect the system in accordance with the technical criterion prescribed by MNRE. Upon successful inspection, Net meter would be installed or update export import features on existing Smart Meter by EDANI.

Under the scope of EDANI

g) **Step-7:** Once the net meter has been installed (or update export import features on existing Smart Meter), EDANI official will approve the installation details on the portal and an online commissioning certificate will be generated. This certificate will be visible in the applicant's account.

Under the scope of Applicant

h) **Step-8:** After generation of commissioning certificate, the applicant has to submit the bank account details and upload a cancelled cheque through the portal.

Under the scope of MNRE, GOI

i) If all details are correct, Central Subsidy/CFA will be released directly into the bank account of the applicant within 30 days of submission of CFA/subsidy claim or as notified by MNRE, Govt. of India.

Under the scope of A&N Administration

J) The State Subsidy will be disbursed to all the consumers who have received the Central Subsidy on reimbursement basis after successful installation and commissioning of Rooftop Solar System and submission of all necessary documents.

Mobile App

The **QRTPM-Surya Ghar App** has been created to facilitate consumers. The app replicates all features of the portal in a mobile-friendly manner.

Important Instructions:

1. The applicant shall use their own mobile number and e-mail id for registration on National Portal. The applications having e-mail id/mobile no. of the vendor would be rejected and such vendors would be blacklisted from further participation in the program/scheme. In order to register at the National Portal, the applicant will require an active mobile number and an active e-mail id.
2. It shall also be ensured that the electricity connection and bank account is in the name of the applicant, else the application would be rejected.

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3. For availing CFA/Central subsidy through the National Portal as well as State Subsidy, it is essential to install the rooftop solar plant through registered vendors of EDANI or National Vendors and as per the guidelines and technical specifications issued by MNRE. The list of registered vendors in EDANI along with their address & contact number will be visible on the National Portal. In addition, only indigenously manufactured solar panels/modules (both solar cells and modules shall be made in India) shall be used for installation of the rooftop solar plant.
4. The minimum size of Rooftop Solar Power Plant is 1 kW and the type of Solar Power Plant is Grid-Connected.
5. As per the Notification dated 13.09.2024, Technical feasibility requirement has been waived off by A&N Administration up to a capacity of 10 KWp and if required any load enhancement shall be done in commensurate with the corresponding capacity. However, for a capacity beyond 10 KWp, in terms of Net Metering Regulation, 2019 the maximum capacity of the individual Grid Connected RTS Plant to be installed at any residential consumer shall be equal to the sanctioned/connected load of the consumer.

SL. No.	Sanctioned/Connected load of the Consumer	Maximum Rooftop Solar Power Plant Capacity
1	Up to 10 kW	10 kW
2	>10 KW	> 10 KWp

(Instruction to EDANI Officials)

- a) On receipt of Application from the National Portal <https://pmsuryaghar.gov.in>, Sub- Divisional Engineer (SDE) of concerned sub-division, EDANI shall verify the completeness of the application, will carry out Technical Feasibility Study and will issue approval to the applicant within 3 working days of receipt of application.
- b) SDE of concerned sub-division, EDANI will inspect the system in accordance with technical criterion prescribed by MNRE. Upon successful inspection, Net-meter would be installed or update export import features on existing Smart Meter by EDANI.
- c) Once the Net-meter has been installed (or update export import features on existing Smart Meter), SDE, EDANI will approve the installation details on the portal and an online commissioning certificate will be generated. This certificate will be visible in the applicant's account.
- d) The Nodal Point for contact for Grid Connected RTS Plant Program shall be EE (NRSE), EDANI.


8. Power to remove difficulties

EDANI shall have the power to amend /issue clarification, if any, on any matter related to interpretation of any provision of these guidelines in consultation with MNRE, Gol and A&N Administration.

9. Power to Interpret

If there is any confusion or dispute about the meaning, intent or purpose of any provision of this guideline, the interpretation given by EDANI shall be final and binding to all concerned.

Timeline For Installation and Metering Connection Of Grid Connected Solar Rooftop PV Systems Under PM Surya Ghar:Muft Bijili Yojana is enclosed as Annexure-I


Assistant Secretary (Power)


Copy to:-

1. The Under Secretary of GOI, Ministry of Power, Shram Shakti Bhawan Rafi Marg, New Delhi-110001.
2. The Under Secretary of GOI, Ministry of New and Renewal Energy, Atal Akshay Urja Bhawan, Lodho Road New Delhi-110001.
3. The Secretary, JERC, State of Goa & Union Territories , 3rd and 4th Floor, Flot No. 55-56, Udyog Vihar Phase IV, Sector 18, Gurugram, Harayana-122015.
4. Sr. PS to Lt. Governor, Raj Niwas, A&N Islands for kind information please.
5. The PS to Chief Secretary, A&N Administration for kind information please.
6. All PS to Commissioner-cum-Secretaries/Secretaries, A&N Administration for kind information please.
7. PA to Deputy Commissioner (SA/N&M/Nicobar District), A&N Administration for kind information please.
8. PA to Director (Power), A&N Administration for kind information please.
9. All HoDs, A&N Administration for kind information please.
10. The Superintending Engineer, Electricity Department for kind information and necessary action please.
11. The Chairman, CGRF, A&N Islands, Haddo, Sri Vijaya Puram.
12. The Executive Engineer (NRSE), Electricity Department for information and necessary action please.
13. The Assistant Engineer (SPV, NRSE) for information and necessary action.
14. File No. 3-4(8)/2018-Power.

Rayje 23/10/24
Assistant Secretary (Power)

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**Timeline for Installation and Metering Connection of Grid Connected Solar Rooftop PV Systems under
PM Surya Ghar: Muft Bijli Yojana, ANI**

ACTIVITY	RESPONSIBILITY	TIMELINE (Max Working Days)
Register at National Portal through the link https://pmsuryaghar.gov.in	Applicant/ Consumer	Zero Date
After registration, login into the account and click submit application	Applicant/ Consumer	Zero Date
Site Verification/Technical feasibility & approval of application	EDANI	3
Sign an agreement with the selected registered vendor and Installation of Rooftop Solar System	Registered Vendor & Consumer	As notified by MNRE
After installation of the Plant, submit installation details in the National Portal, upload a photo of the applicant with the rooftop solar plant along with other necessary documents as per portal requirement and apply for net meter/bi-directional meter.	Registered Vendor & Consumer	3
Inspect the installed system	EDANI	5
Upon successful inspection, EXIM-meter would be installed or update export import features on existing Smart Meter	EDANI	7
Approve the installation details on the portal and generate an online commissioning certificate	EDANI	2
Submit the bank account details and upload a cancelled cheque through the portal.	Consumer	1
Release of Central Govt. subsidy/CFA directly into the bank account of the applicant on submission of CFA/subsidy claim	As notified by MNRE, Govt. of India	As notified by MNRE, Govt. of India
Release of State Govt. subsidy directly into the bank account of the applicant on submission of subsidy claim	As notified by A&N Administration	As notified by A&N Administration