

GOVERNMENT OF ASSAM  
POWER (ELECTRICITY) DEPARTMENT  
DISPUR:.....GUWAHATI-06

No.PEL/ 41/2024/ 16

Dated Dispur, the 14th March, 2024.

**ORDERS BY THE GOVERNOR OF ASSAM**

**NOTIFICATION**

**OPERATIONAL GUIDELINES**

**For Implementation of the Scheme “ PM-SURYA GHAR: MUFT BIJLI YOJANA, ASSAM”**  
(for installation of Rooftop Solar in residential households in Assam through National Portal under  
PM-SURYA GHAR: MUFT BIJLI YOJANA of Govt. of India)

**1. Definitions and Interpretations:**

- a) **“AERC”** means Assam Electricity Regulatory Commission.
- b) **“APDCL”** means Assam Power Distribution Company Limited.
- c) **“APPC”** means Average Pooled Purchase Cost of electricity as approved by the Commission for the year.
- d) **“Commission”** means Assam Electricity Regulatory Commission.
- e) **“Eligible Consumer”** means a consumer of electricity in the area of supply of APDCL, who uses 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 or third party owned.
- f) **“EXIM”** means Export – Import Metering System.
- g) **“MNRE”** means Ministry of New & Renewable Energy, Govt. of India.
- h) **“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 APDCL for supply of electricity.
- i) **“Policy”** means Assam Solar Renewable Energy Policy – 2022.
- j) **“Project Implementing Agency”** means APDCL, or any other agency notified by Central Government / State Government for implementation of RTS projects in Assam.
- k) **“Regulations”** means Assam Electricity Regulatory Commission (Grid Interactive Solar PV Systems) Regulations, 2019 and its subsequent amendments as amended from time to time.
- l) **“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.
- m) **“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 13th February, 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."*

- 2.2 The Assam Renewable Energy Policy, 2022 notified by the Govt. of Assam, also encourages for promotion of grid connected rooftop solar power plants in the State.
- 2.3 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.
- 2.4 These guidelines are prepared for implementation of the scheme "**PM-Surya Ghar: Muft Bijli Yojana, Assam**" for installation of rooftop solar in residential households in Assam.

### **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 Assam willing to install Grid Connected Rooftop Solar Power Plant within their premises under PM-Surya Ghar: Muft Bijli Yojana, Assam.
- b) As per Office Memorandum (OM) No. 318/16/2024 – Grid Connected Rooftop, GoI dated 19<sup>th</sup> 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 APDCL. 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. The Government intends to supply free electricity upto 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 APDCL.
- 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 30,000 subsidy for 1 kW system, Rs 60,000 for 2 kW systems and Rs 78,000 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 3 kW 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:
  - (i) Accessing subsidies under the PM Surya Ghar: Muft Bijli Yojana
  - (ii) Feasibility and other approvals from Discoms
  - (iii) 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

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. 30,000/- per kW up to 2 kW**
- **Rs. 18,000/- per kW for additional capacity up to 3 kW**
- **Total Subsidy for systems larger than 3 kW capped at Rs 78,000**

The Suitable Rooftop Solar Plant Capacity for residential households are 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 EXIM metering arrangement on large scale in residential sectors, State Government will provide subsidy of Rs. 15,000/- per kW to a maximum limit of subsidy Rs. 45,000/- per consumer. This subsidy will be disbursed to the beneficiary on reimbursement basis after successful installation and commissioning of Rooftop Solar System with EXIM metering and submission of all documents to Assam Power Distribution Company Limited (APDCL).
- b) The State Subsidy will be disbursed by APDCL to the consumers after completion of system installation and release of Central Subsidy by MNRE, Govt. of India. The State Subsidy by Govt. of Assam are as under:
- **Rs. 15,000/- per kW up to 3 kW**
  - **Total State Subsidy for systems larger than 3 kW capped at Rs.45,000**

Rooftop Solar Plant Capacity	State Subsidy
1 kW	Rs. 15,000
2 kW	Rs. 30,000
3 kW and above	Rs. 45,000

- c) 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 APDCL to the same bank account of consumer where the Central Subsidy is released.
- d) **In Phase-I, the State will provide subsidy to one (1) lakh residential households on the first come first serve basis based on valid online applications submitted on National Portal (<https://pmsurvaghar.gov.in>)**

## 5.3 Total Subsidy on Residential Rooftop Solar Plants in Assam

Sl. No	Solar Plant Capacity	Central Subsidy from MNRE, GoI(Rs.)	State Subsidy from Govt. of Assam (Rs.)	Total Subsidy (Rs.)
1	1 kW	30000/-	15000/-	45,000/-
2	2 kW	60000/-	30000/-	90,000/-
3	3 kW and above	78000/-	45000/-	1,23,000/-

- 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 kW. Employees of Govt of Assam and APDCL, AEGCL & APGCL employees can avail loan from State Bank of India for rooftop solar installation in their residential households under the PM-Surya Ghar scheme. The State Government will provide 1% interest subvention on loan availed by such employees for rooftop solar installation upto 3 kW.



5.6 Journalists can also avail the benefits of the scheme. DIPR will provide necessary support, co-ordination and financial grant, if any, to be provided by State Govt. of Assam for this purpose.

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

### (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 Bijili Yojana through the National Portal is being carried out by APDCL. The vendors willing to execute the projects through National Portal <https://pmsuryaghar.gov.in> can get registered with APDCL by submitting an application along with a declaration in the format given at <https://www.apdcl.org> 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 online application process for empanelment can be accessed at <https://www.apdcl.org>.

The entire process has been explained in the following steps:

- (i) Open APDCL website (<https://www.apdcl.org>)
- (ii) Under Ongoing Projects and Schemes, click on the **Vendor Registration for PM Surya Ghar**.
- (iii) Register by providing the basic details in the form, like *Name, Address, Mobile No, E-mail, PAN No, GSTIN No*.
- (iv) Login to upload the following documents available in APDCL website under **Notifications->Empanelment of Vendors for RTS scheme of MNRE and submit the Application**.
  - a. Bank Guarantee (Annex-A)
  - b. Declaration from vendor (Annex-B)

APDCL 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 APDCL 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 APDCL for rooftop solar. APDCL will update the list time to time.

## 7 Processing Guidelines

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

#### (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 Bijili 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.

Register in the portal (<https://pmsuryaghar.gov.in>) with the following:

- Select your State [*i.e., Assam, applicable for Assam only*]
- Select your Electricity Distribution Company [*Assam Power Distribution Company Limited, applicable for Assam only*]

Under the scope  
of the Applicant

- Enter your Electricity Consumer Number
  - Enter Mobile Number
  - Enter Email
- Under the scope of the 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 APDCL
- c) **Step-3:** The submitted application will reach directly to APDCL for technical feasibility approval. If all the details are correct, the application will be approved by APDCL. Else, the application may be rejected or returned for correction. On receipt of application, the SDE shall carryout the Technical Feasibility Study and will issue final approval within 3 working days.
- Under the scope of Vendor & Applicant
- d) **Step-4:** On receipt of Technical Feasibility Report (TFR) approval, 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 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 APDCL
- f) **Step-6:** APDCL officials will inspect the system in accordance with the technical criterion prescribed by MNRE. Upon successful inspection, EXIM-meter would be installed or *update export import features on existing Smart Meter* by APDCL.
- Under the scope of APDCL
- g) **Step-7:** Once the EXIM-meter has been installed (*or update export import features on existing Smart Meter*), APDCL 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 the 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 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 GoA
- 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.
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 APDCL and as per the guidelines and technical specifications issued by MNRE. The list of registered vendors in APDCL 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 Assam Renewable Energy Policy 2022, 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.

<b>Sl. No.</b>	<b>Sanctioned/Connected load of the Consumer</b>	<b>Maximum Rooftop Solar Power Plant Capacity</b>
1	1 kW	1 kW
2	2 kW	2 kW
3	3 kW	3 kW
4	> 3 kW	> 3 kW

### **(Instruction to APDCL Officials)**

- Under the scope of APDCL* a) On receipt of Application from the National Portal <https://pmsuryaghar.gov.in>, Sub-Divisional Engineer (SDE) of concerned sub-division, APDCL 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.
- Under the scope of APDCL* b) SDE of concerned sub-division, APDCL will inspect the system in accordance with technical criterion prescribed by MNRE. Upon successful inspection, EXIM-meter would be installed or *update export import features on existing Smart Meter* by APDCL.
- Under the scope of APDCL* c) Once the EXIM-meter has been installed (*or update export import features on existing Smart Meter*), SDE, APDCL 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 APDCL* d) The Nodal Point for contact for Grid Connected RTS Plant Program shall be Chief General Manager (NRE), APDCL. Rooftop Solar (RTS) Cell at each Circle level

headed by the Chief Executive Officer (CEO) shall be established by APDCL for faster implementation of the scheme Assam PM Surya Ghar: Muft Bijili Yojana.

**8 Power to remove difficulties**

Assam Power Distribution Company Limited (APDCL) 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, GoI and Govt. of Assam.

**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 APDCL shall be final and binding to all concerned.

Sd/-

(Dr.Krishna Kumar Dwivedi, IAS)  
Principal Secretary to the Govt of Assam,  
Power(E) Department.

Memo No.PEL/ 41/2024/16- A

Dated Dispur, the 14th March, 2024.

Copy to:-

1. The Accountant General, Assam, Guwahati-29.
2. The Chairman, Assam Administrative Tribunal, Guwahati.
3. The Chairman, Assam Board of Revenue, Guwahati.
4. The Chairman, AERC, Guwahati.
5. The Chairman, APDCL/ AEGCL/ AEGCL.
6. All Principal Secretaries/Commissioner & Secretaries/Secretaries to the Govt. of Assam.
7. The Resident Commissioner, Government of Assam, Assam House, New Delhi
8. The Principal Secretary to the Chief Minister, Assam.
9. The Secretary to the Governor of Assam.
10. The Secretary, Assam Legislative Assembly, Dispur.
11. The Managing Director, APDCL/ AEGCL/ AEGCL.
12. The P.P.S. to Chief Minister, Assam.
13. All Principal Secretaries of the Autonomous Councils.
14. All Deputy Commissioners/Sub-Divisional Officers.
15. The Secretary, State Election Commission, Assam.
16. All Heads of Department/Departments of Assam Secretariat.
17. The Deputy Director, Assam Govt. Press, Guwahati-21 for publication.
18. The P.S. to Chief Secretary, Assam.
19. The P.S. to Chief State Information Commissioner, Assam.
20. The P.S. to State Information Commissioner, Assam.
21. The P.S. to Addl. Chief Secretary, Assam.
22. The P.S. to Ministers/Ministers of State.
23. The O.S.D (Press & PR) to the Chief Minister.
24. Department concerned.

By order etc.,

*A* 14/3/2024

Additional Secretary to the Govt of Assam,  
Power(E) Department.

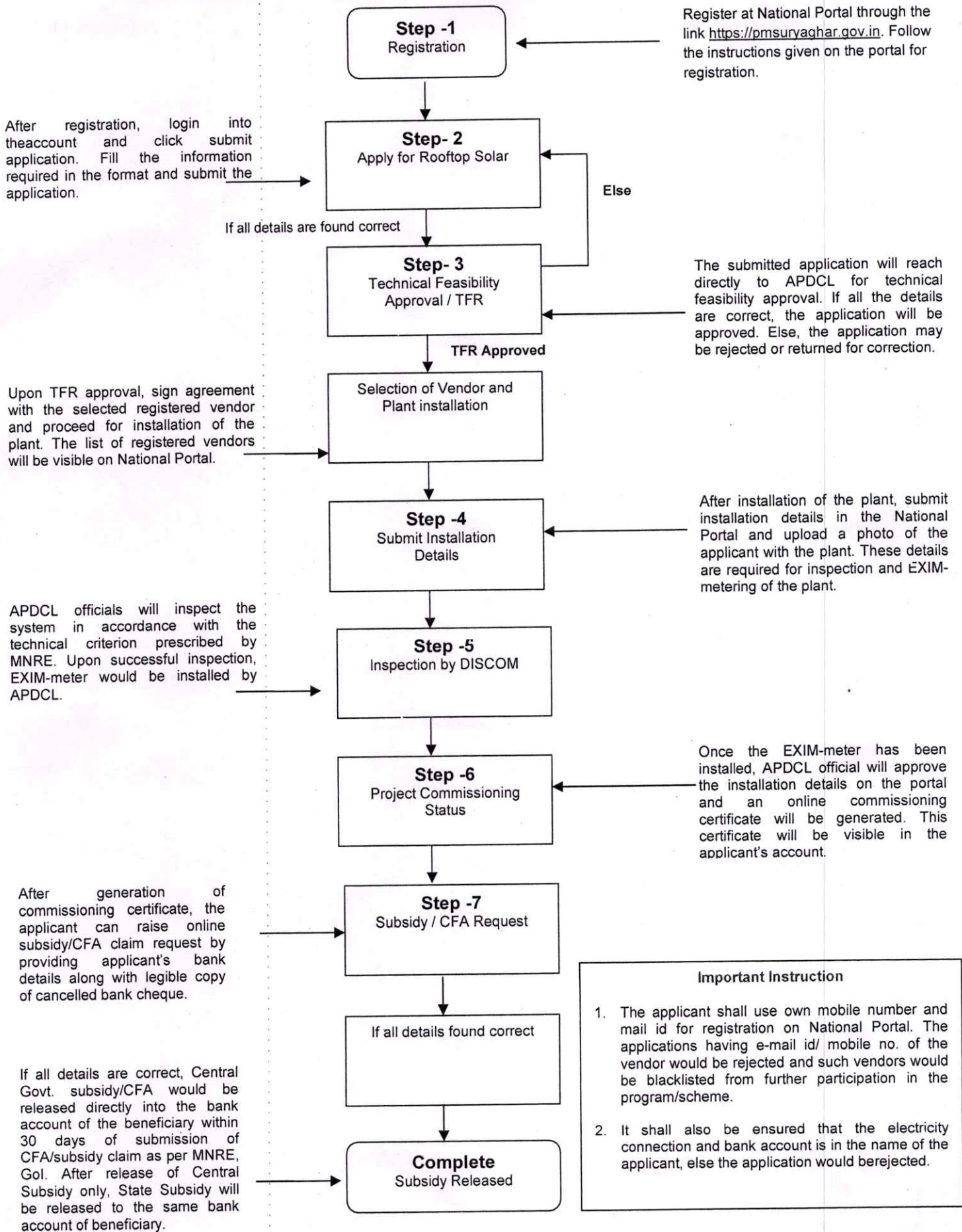


**Timeline for Installation and Metering Connection of Grid Connected Solar Rooftop PV Systems under PM Surya Ghar: Muft Bijli Yojana, Assam**

<b>ACTIVITY</b>	<b>RESPONSIBILITY</b>	<b>TIMELINE (Max Working Days)</b>
Register at National Portal through the link <a href="https://pmsuryaghar.gov.in">https://pmsuryaghar.gov.in</a>	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	APDCL	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	APDCL	5
Upon successful inspection, EXIM-meter would be installed or update export import features on existing Smart Meter	APDCL	7
Approve the installation details on the portal and generate an online commissioning certificate	APDCL	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 Govt. of Assam	As notified by Govt. of Assam

## Annexure - II

### Procedure for installation of rooftop solar plant through National Portal in Assam





**Single Line Diagram of Rooftop Facility for Export - Import Metering Interconnection**

