# Standard operating procedure (SoP) for implementation of Rooftop Solar System under PM Surya Ghar: Muft Bijli Yojana under **JBVNL**

The PM Surya-Ghar: Muft Bijli Yojana is a flagship scheme of Government of India that aims to solarise one crore household across the country. Hon’ble Prime Minister has launched PMSurya Ghar: Muft Bijli Yojana on 13th February ,2024 and was approved by Union cabinet on 29th February ,2024 to increase the share of solar rooftop capacity and empower residential households to generate own electricity. The Scheme has an outlay of Rs75,021 crore and is to be implemented till FY 2026-2027.Under this scheme JBVNL is committed to meet the target for solarization of 65000Nos. household in its licensed area by FY 2026-27.

 **Eligibility:** All residential consumer, Group housing society/Residential Welfare Association (HGS/RWA) are eligible to avail this scheme. This scheme is applicable for all applications received on National portal from the date of launch of this scheme i.e. 13th February ,2024.

**Central Financial Assistant (CFA) /Subsidy: The subsidy Structure in this scheme as below.**

|  |  |
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| **Suitable Rooftop****Solar Plant****Capacity** | **Subsidy Support** |
| 1 – 2 kW | Rs 30,000 per KWie.For 1 KW – Rs. 30,000.00 & for 2 KW - Rs 60,000/- |
| Above 2 kW | Rs 18,000 per KWIe. For initial 2 KW - Rs 60,000 and above 2 KW Rs. 18,000/- per kW upto Rs. 78,000/- |
| Above 3 kW | Rs 78,000/- (capped) |

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| **SOP of PM Surya Ghar Scheme** |
|  | **Activity** | **Responsibility** | **Timeline****(Maximum****working Days)** |
| 1 | **Registration and Application**:-The applicant who wishes to install a solar PV system under PM Surya-Ghar Scheme needs to apply through online mode in PM Surya Ghar portal (www.pmsuryaghar.gov.in).**User Registration**:-Register by providing details such as name, mobile number, email ID, address and DISCOM details.Verification of identity using an OTP sent to registered mobile no.**Submit Application**:Log in and submit application for the installation of a rooftop solar system.Provide required information like location, Rooftop area, required system capacity (e.g., 1 kW, 2 kW), Electricity bill details.**Upload Documents:**Necessary documents like recent electricity bill, Aadhaar card, and property ownership proof may be uploaded. | Consumer |  |
| 2 | **Feasibility Approval:-*** Technical feasibility waived off for 1 to 10KW RTS under PMSGY scheme.
 | Automatic through system |  |
| For load more than 10 KW :-* The DISCOM verifies the feasibility of installing the rooftop solar system based on technical parameters like roof strength and capacity to connect to the grid.
* Once the feasibility is verified, the application is approved. Consumers are informed via portal, email or SMS.
 | JBVNL | 15 days |
| 3 | **Selection of Vendor:-*** Select a **registered/empaneled vendor** listed on the portal to carry out the installation.
* Ensure that the vendor adheres to technical and safety standards as prescribed by the **MNRE**.
* Consumers and vendors sign an agreement for System installation, Timelines, Maintenance responsibilities etc.
* Consumer make payment to Vendor for installation
 | Consumer/Vendor | - |
| 4 | **Installation of the Rooftop Solar System:-*** The vendor procures necessary equipment such as solar panels, inverters, isolation devices, and net meters.
* The rooftop solar system is installed according to CEA (Central Electricity Authority) standards.
* Installation includes **safety features** like surge protection devices and isolation devices.
* Vendor/Consume will upload following documents in PM Surya-Ghar Portal for inspection approval to redeem subsidy (1) Inspection report (2) DCR undertaking (3) Geo tagged photo of RTS plant (4) Meter installation report.
 | Vendor/Consumer | 30 days (after payment) |
| 5 | **Inspection by DISCOM:-*** Once the system is installed, the DISCOM conducts an inspection to verify compliance with technical and safety norms and DCR undertaking of the equipment.
* Both net & generation meters will be provided by JBVNL.

a) Net/Smart meter: -JBVNL will provide Smart meter in RDSS area free of cost and in case of non RDSS area, the meter is to be provided by JBVNL, cost of which will be realized by consumer.b) Generation meter: - Generation meter will be provided by JBVNL and cost of which will be realized by consumers.* Consumer has to pay Application fee, Registration fee as well as meter cost (in case of non RDSS area) and meter testing fee.
* After payment of meter cost and submission of inspection report, a standard net meter agreement will be executed between the consumer and concerned Executive Engineer.
* The DISCOM will test the **net metering system** to ensure it can record import/export energy accurately.

Once the net-meter has been installed, the DISCOM 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. | JBVNL | 5 |
| 6 | **System Commissioning:-*** After successful inspection, the system is commissioned, and it becomes operational.
* The consumer can now generate electricity and send excess power back to the grid.
 | Vendor | 15 |
| 7 | **Subsidy Claim and subsidy release:-*** After generation of commissioning certificate, the applicant can raise online subsidy/CFA claim request by providing applicant’s bank details along with legible copy of cancelled bank cheque or passbook.
 | Consumer |  |
| * If all details are correct, Central Govt. subsidy/CFA would be released directly into the bank account of the applicant within 30 days of submission of CFA/subsidy claim.
 | Central Govt | 30 |
| 8 | **Billing of solar consumers:-*** Billing of solar consumer affecting solar export unit in bill
 | JBVNL | 30 days aftercommissioningandsynchronizationwith Grid |

**Key Benefits of PM Surya Ghar Yojana**

1. **Reduced Electricity Bills:**
Generate your own electricity and sell surplus power to the grid.
2. **Central Subsidy:**
Direct financial assistance to reduce installation costs.
3. **Sustainability:**
Contribute to clean energy adoption and reduce carbon footprint.