



# SOURA GRUHA YOJANE (SGY)

Ref No.: BESCO/BC-51/2019-20/FA-21/CYS-33

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## **Guidelines for Grid Connected Solar Rooftop Program under SOURA GRUHA YOJANE (SGY) scheme for FY 2019-20**

### **Preamble:**

- ❖ Ministry of New and Renewable Energy (MNRE), GoI under phase-II scheme has launched grid connected solar rooftop scheme for Residential and Group Housing Societies (GHS)/Residential Welfare Scheme (RWA) categories of consumers with Central Finance Assistance (CFA).
- ❖ The CFA/subsidy details are as below Table A:

Type of Residential sector	CFA (as percentage of bench mark cost or cost discovered through competitive process whichever is lower)
Residential sector (upto 3kW capacity)	40% of bench mark cost
Residential sector (above 3kW capacity and upto 10kW capacity)	40% upto 3kW Plus 20% for RTS system above 3kW and upto 10kW
Group Housing Societies/ Residential Welfare Associations (GHS/RWA) etc., for common facilities up to 500 kWp (@10kWp per house), with the upper limit being inclusive of individual rooftop plants already installed by individual residents in that GHS/RWA at the time of installation of RTS for common activity	20%

- ❖ MNRE has designated Bangalore Electricity Supply Company (BESCO) as nodal point for implementation of the said scheme and has allotted 30MW for FY 2019-20.

❖ The Benchmark cost as per MNRE is as detailed below

Sl. No	Capacity	Benchmark Cost (Rs/kWp)
1	Above 1kW and upto 10kW	54,000/-
2	Above 10kW and upto 100kW	48,000/-
3	Above 100kW and upto 500kW	45,000/-

The above benchmark costs are inclusive of total system cost and its installation, commissioning, transportation, insurance, five-year AMC/CMC and applicable fees and taxes.

### **General Terms and Conditions**

1. Online Applications are invited from Individual Residential Consumers and Group Housing Societies (GHS)/Residential Welfare Associations (RWA).
2. The existing SRTPV consumers are not eligible under this SGY scheme.
3. The CFA/subsidy is applicable to a Consumer for only single Installation (one consumer one installation) and verification will be carried out by Aadhar card.
4. Online Portal is available from 16.03.2020 to 25.03.2020 or Capacity fulfillment whichever is earlier. Application Link: <https://bescom.org/BescomSRTPV/online.html>.
5. Online Applications are invited in the ratio 1:3 for a total capacity of 90MW of which 60MW for Residential consumers and 30MW for GHS/RWA.
6. Applications shall be submitted up to sanctioned load of the installation and CFA/subsidy is applicable as detailed in Table-A.
7. The Application fee as details below:

Sl no	Capacity of proposed SRTPV system	Registration fee Rs.	Facilitation fee Rs.	Remarks
1	>1kWp upto 5kWp	500/-	1000/-	Application fee is non-refundable.
2	>5kWp upto 50kWp	1000/-	2000/-	
3	>50kWp upto 2000kWp	2000/-	5000/-	Facilitation fee is collected only from eligible consumers.

8. The eligible Applications will be shortlisted on first come first serve basis for a capacity of 30MW (Residential for 20MW & GHS/RWA for 10MW) subject to Technical feasibility.
9. Applications which are not technically feasible will be rejected.
10. The list of shortlisted consumers will be hosted in the BESCO website.
11. The consumer investment in the project excluding CFA/subsidy from MNRE is to be borne by Consumer owned fund/borrowed fund. The Capital cost, Consumer investment and MNRE subsidy, detailed in Table 'B' considering Rs.54,000/- as bench mark price:

Proposed SRTPV Capacity (kW)	Total Capital Cost (Rs)	Subsidy from MNRE	Subsidy from MNRE (Rs.)	Consumer Investment (Rs.)
<b>Individual Residential Consumers</b>				
1	54000/-	@40% for 1kW=Rs.21600/-	21,600/-	32,400/-
2	1,08,000/-	@40% for 2kW=Rs.43200/-	43,200/-	64,800/-
3	1,62,000/-	@40% for 3kW=Rs.64800/-	64,800/-	97,200/-
4	2,16,000/-	@40% for 3kW=Rs.64800/- + @20% for 1kW=Rs.10800/-	75,600/-	1,40,400/-
5	2,70,000/-	@40% for 3kW=Rs.64800/- + @20% for 2kW=Rs.21600/-	86,400/-	1,83,600/-
6	3,24,000/-	@40% for 3kW=Rs.64800/- + @20% for 3kW=Rs.32400/-	97,200/-	2,26,800/-
7	3,78,000/-	@40% for 3kW=Rs.64800/- + @20% for 4kW=Rs.43200/-	1,08,000/-	2,70,000/-
8	4,32,000/-	@40% for 3kW=Rs.64800/- + @20% for 5kW=Rs.54000/-	1,18,800/-	3,13,200/-
9	4,86,000/-	@40% for 3kW=Rs.64800/- + @20% for 6kW=Rs.64800/-	1,29,600/-	3,56,400/-
10	5,40,000/-	@40% for 3kW=Rs.64800/- + @20% for 7kW=Rs.75600/-	1,40,400/-	3,99,600/-
All Systems above 10kW	Varies dependent of capacity	@40% for 3kW=Rs.64800/- + @20% for 7kW=Rs.64800/- No subsidy beyond 10kW capacity	Upto 10kW 1,40,400/-	Varies dependent of capacity
<b>Group Housing Societies (GHS)/Residential Welfare Association (RWA)</b>				
Proposed SRTPV Capacity (kW)	Total Capital Cost (Rs)	Subsidy from MNRE	Subsidy from MNRE (Rs.)	Consumer Investment (Rs.)
1	54000/-	@20%	10,800/-	43,200/-
2	1,08,000/-	@20%	21,600/-	86,400/-
3	1,62,000/-	@20%	32,400/-	1,29,600/-
4	2,16,000/-	@20%	43,200/-	1,72,800/-
5	2,70,000/-	@20%	54,000/-	2,16,000/-
6	3,24,000/-	@20%	64,800/-	2,59,200/-
7	3,78,000/-	@20%	75,600/-	3,02,400/-
8	4,32,000/-	@20%	86,400/-	3,45,600/-
9	4,86,000/-	@20%	97,200/-	3,88,800/-
10	5,40,000/-	@20% **	1,08,000/-	4,32,000/-
All Systems above 10kW	Varies dependent of capacity	No subsidy beyond 10kW per house	Upto 10kW 1,08,000/-	Varies dependent of capacity

**\*The above subsidy calculations will vary on the cost arrived through tendering process.**

**\*\*Group Housing Societies/ Residential Welfare Associations (GHS/RWA) etc., for common facilities up to 500 kWp (@10kWp per house), with the upper limit being inclusive of individual rooftop plants already installed by individual residents in that GHS/RWA at the time of installation of RTS for common activity**

**12. The Consumer has to deposit the amount excluding CFA to BESCOM before execution of the Contract agreement (i.e Tripartite) and Power Purchase Agreement within the stipulated time period as intimated by BESCOM.**

- A Tripartite Agreement (TPA) shall be executed between BESCOM, eligible Consumer and Service provider for EPC purposes.**
- A Power Purchase Agreement shall be executed with BESCOM for a period of 25 years on Net-metering arrangement at the tariff determined by Hon'ble Karnataka Electricity Regulatory Commission from time to time.**

**13. BESCOM will empanel Engineering, Procurement & Construction (EPC) contractor called as a Service Provider through Competitive bidding process for "Design, Supply, Installation & Commissioning of Solar RTPV Grid connected power plants including Annual Maintenance Contract for a period of five years".**

**14. The SRTPV installation and Commissioning will be carried by BESCOM empanelled Service provider within six months from the date of PPA/ Approval.**

**Note:**

- The project has to be implemented as per Solar Rooftop Photovoltaic Power plants Regulations, 2016 and Generic tariff orders issued by the Commission from time to time.**
- The SRTPV plants above 50kWp, the infrastructure charges such as replacement of HT cubicle, Transformers etc., have to be borne by respective SRTPV consumers. The evacuation of energy from SRTPV plants shall abide by KERC SRTPV Regulations-2016.**

**15. BESCOM or MNRE Officials or Designated Agency reserves the right to inspect the ongoing installation or installed SRTPV plant.**

**16. The signed copy of the Project Completion Report (PCR) has to be submitted to BESCOM by Consumer and Service provider.**

- 17. The CFA/subsidy amount will be released to Service Provider by BESCOM subject to acceptance of PCR & Release of CFA/Subsidy amount by MNRE.**
- 18. As per BESCOM guidelines, Sub-divisional officer is the nodal point for all SRTPV Applications. In case of any query and clarifications the consumer may contact the concerned S/D officer.**

**- Sd-**

**General Manager (DSM)  
BESCOM, Bengaluru**