



SOURA GRUHA YOJANE (SGY)

Ref No.: BESCO/BC-51/2019-20/FA-21/982

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Revised 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 details are as detailed 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, GoI has allocated 30MW to BESCO for FY 2019-20.
- ❖ The MNRE, GoI benchmark cost for grid connected SRTPV for FY 2020-21 is as tabulated below

Capacity Range*	Benchmark Cost (Rs. per kW)
1kW	Rs.47000/-
>1kW to 2kW	Rs.43000/-
>2kW to 3kW	Rs.42000/-
>3kW to 10kW	Rs.41000/-
>10kW to 100kW	Rs.38000/-
>100kW to 500kW	Rs.36000/-

* Capacity will be calculated based on Inverter capacity or the SPV module array capacity whichever is lower.

All the above benchmark costs are inclusive of total system cost including Photo-Voltaic solar modules, inverters, balance of systems including cables, Switches/Circuit Breakers/Connectors/Junction Boxes, mounting structure, earthing, Lightening arrester, cost of meters (if any other than net meter), local connectivity cost, cost of civil works, foundations, etc. and its installation, commissioning, transportation, insurance, capital cost of online monitoring, comprehensive maintenance charges for five years, applicable fees and taxes etc.

General Terms and Conditions

1. Online Applications are invited from Individual Residential Consumers and Group Housing Societies (GHS)/Residential Welfare Associations (RWA) of BESCO. Application link: http://srtpv.bescom.org/SRTPV/expression_of_interest_soura_gru_ha.jsp
2. The existing SRTPV consumers are not eligible under this SGY scheme.
3. Applications shall be submitted up to sanctioned load of the installation and CFA is applicable as detailed in Table-A.
4. The Application fee is as detailed 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 500kWp	2000/-	5000/-	Facilitation fee is collected only from shortlisted consumers.

5. The Applications will be shortlisted on first come first serve basis subject to Technical feasibility.
6. Technical feasibility will be carried out by the concerned sub-divisional office, BESCO.
7. Applications which are not technically feasible will be rejected.
8. The capital cost has to be borne by the consumer excluding the CFA from the MNRE, GoI. The consumer has to deposit the amount to BESCO after receiving intimation from BESCO.
9. The rate discovered through competitive bidding process is as tabulated below

Capacity Range*	Benchmark Cost (Rs. per kW)
1kW	Rs.46999/-
>1kW to 2kW	Rs.42999/-
>2kW to 3kW	Rs.41999/-
>3kW to 10kW	Rs.40999/-
>10kW to 100kW	Rs.37950/-
>100kW to 500kW	Rs.35950/-
* Capacity will be calculated based on Inverter capacity or the SPV module array capacity whichever is lower.	

An illustration considering SRTPV capacity from 1kW to 10kW for residential consumers and 20kW to 500kW for GHS/RWA is as tabulated below

Proposed SRTPV Capacity (kW)	Rate Discovered (Rs/kWp)	Total Capital Cost (Rs)	Subsidy from MNRE	Subsidy from MNRE (Rs.)	Consumer Investment (Rs.)
Individual Residential Consumers					
1	46,999/-	46,999/-	@40% for 1kW=Rs.18800/-	18,800/-	28,199
2	42,999/-	85,998/-	@40% for 2kW=Rs.34339/-	34,399/-	51,599
3	41,999/-	1,25,997/-	@40% for 3kW=Rs.50399/-	50,399/-	75,598
4	40,999/-	1,63,996/-	@40% for 3kW=Rs.49199/- + @20% for 1kW=Rs.8200/-	57,399/-	1,06,597
5	40,999/-	2,04,995/-	@40% for 3kW=Rs.49199/- + @20% for 2kW=Rs.16400/-	65,598/-	1,39,397
6	40,999/-	2,45,994/-	@40% for 3kW=Rs.49199/- + @20% for 3kW=Rs.24599/-	73,798/-	1,72,196
7	40,999/-	2,86,993/-	@40% for 3kW=Rs.49199/- + @20% for 4kW=Rs.32799/-	81,998/-	2,04,995
8	40,999/-	3,27,992/-	@40% for 3kW=Rs.49199/- + @20% for 5kW=Rs.40999/-	90,198/-	2,37,794
9	40,999/-	3,68,991/-	@40% for 3kW=Rs.49199/- + @20% for 6kW=Rs.49199/-	98,398/-	2,70,593
10	40,999/-	4,09,990/-	@40% for 3kW=Rs.49199/- + @20% for 7kW=Rs.57399/-	1,06,597/-	3,03,393
All Systems above 10kW		Varies dependent of capacity	@40% for 3kW=Rs.49199/- + @20% for 7kW=Rs.57399/- No subsidy beyond 10kW capacity	Upto 10kW 106597	Varies dependent of capacity
Group Housing Societies (GHS)/Residential Welfare Association (RWA)					
Proposed SRTPV Capacity (kW)	Rate Discovered (Rs/kWp)	Total Capital Cost (Rs)	Subsidy from MNRE	Subsidy from MNRE (Rs.)	Consumer Investment (Rs.)
20	37950/-	7,59,000/-	@20%	1,51,800/-	60,72,000/-
30	37950/-	11,38,500/-	@20%	2,27,700/-	9,10,800/-
40	37950/-	15,18,000/-	@20%	3,03,600/-	12,14,400/-
50	37950/-	18,97,500/-	@20%	3,79,500/-	15,18,000/-
60	37950/-	22,77,000/-	@20%	4,55,400/-	18,21,600/-
70	37950/-	26,56,500/-	@20%	5,31,300/-	21,25,200/-
80	37950/-	30,36,000/-	@20%	6,07,200/-	24,28,800/-
90	37950/-	34,15,500/-	@20%	6,83,100/-	27,32,400/-
100	37950/-	37,95,000/-	@20%	7,59,000/-	30,36,000/-
200	35950/-	71,90,000/-	@20%	14,38,000/-	57,52,000/-
300	35950/-	1,07,85,000/-	@20%	21,57,000/-	86,28,000/-
400	35950/-	1,43,80,000/-	@20%	28,76,000/-	1,15,04,000/-
500	35950/-	1,79,75,000/-	@20%	35,95,000/-	14,3,80,000/-

**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

10. The consumer shall opt Net Metering or Gross Metering during registering the application

Net Metering: means an arrangement under which an eligible consumer supplies the surplus electricity generated from his SRTPV plant to the Distribution Licensee after off-setting the electricity supplied by the distribution licensee to such eligible consumer during the billing period.

Gross-metering: means an arrangement under which an eligible consumer supplies the entire electricity generated from his SRTPV plant to the distribution licensee during the billing period.

11. The Consumer has to deposit the amount excluding CFA to BESCO before execution of the Contract agreement (i.e Bi-partite) and Power Purchase Agreement within the stipulated time period as intimated by BESCO.

- A Bi-partite Agreement shall be executed between BESCO, and Consumer for EPC purposes.
- A Power Purchase Agreement shall be executed with BESCO for a period of 25 years on Net/Gross metering arrangement at the tariff determined by Hon'ble Karnataka Electricity Regulatory Commission from time to time.

12. The SRTPV installation and Commissioning will be carried by BESCO empanelled EPC contractor within projection completion time line specified by MNRE, GoI (any extension given by MNRE, GoI or five months from the date of approval of PPA whichever is earlier.

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.
- The consumer shall use only tested Bi-directional meters from BESCO empanelled firms available at vendor outlets.

13. BESCO or MNRE Officials or Designated Agency reserves the right to inspect the SRTPV plant.

14. The signed copy of the Project Completion Report (PCR) has to be submitted to BESCO by Consumer and empanelled EPC contractor.

15. The CFA amount will be released to empanelled EPC contractor by BESCOM subject to acceptance of PCR & release of CFA amount by MNRE, GoI.
16. As per BESCOM guidelines, jurisdictional sub-divisional officer, BESCOM is the nodal officer for the scheme.
17. Any queries and clarifications, the consumer may contact the concerned Sub-Divisional officer, BESCOM or e-mail to bescomsgy@gmail.com or contact Solar Help desk No: **080 22340816**

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