

Guidelines for Grid Connected Solar Rooftop Program under Phase-II Solar Rooftop Scheme by MNRE

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 (up to 3kW capacity)	40% of bench mark cost
Residential sector (above 3kW capacity and up to 10kW capacity)	40% up to 3kW Plus 20% for RTS system above 3kW and up to 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 Hubballi Electricity Supply Company (HESCOM) as nodal point for implementation of the said scheme and has allotted 20MW for FY 2019-20.
- ❖ The Benchmark cost declared by MNRE for FY 2021-22 is as detailed below

Sl. No	Capacity	Benchmark Cost (Rs / kWp)
1	1KW	51,100
2	>1 to 2 KW	46,980
3	>2 to 3 KW	45,760
4	>3 to 10 KW	44,640
5	>10 to 100 KW	41,640
6	>100 to 500 KW	39,080

The above benchmark cost includes cost of Solar PV panels (with domestic cell and modules), inverter (single/3 phase wherever applicable), balance of system e.g., cable, switches/ circuit breaker/ connectors/ junction box, mounting structure, earthing, lightening arrester, and civil works, installation & commissioning, CMC for 5 years, transportation, insurance, applicable taxes, etc. The above benchmark costs are excluding of net metering cost and battery back-up costs.

General Terms and Conditions

1. Application of Interest 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 Phase-II Solar Rooftop Scheme by MNRE.
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. Application of Interest is available
Link: <https://solarrooftop.gov.in>

The screenshot displays the SPIN portal interface. At the top, it identifies the portal as 'SPIN - An online portal for Solar Photovoltaic Installation (Grid-Connected Rooftop)'. The main content area features a 'Login in SPIN' section with input fields for 'Username*' and 'Password*', a 'Human check' image, and a 'Login' button. Below the login section, a 'Scheme and its amendments' box lists several links related to the implementation of Phase-II of the Grid Connected Rooftop Solar Programme. To the right, a large arrow points to two buttons: 'Apply for Solar Rooftop' and 'Solar Rooftop Calculator'. The page footer includes various policy links and a system tray at the bottom showing the date and time as 12:45 PM on 4.8.21.

Sl. No.	State	Utility/Company Name & Website	Contact Email
10	HIMACHAL PRADESH	HPSEB Limited - http://www.rts.himurja.gov.in/Default.aspx	Email : cecommhpsbebl[at]gmail[dot]com , vinsood99[at]gmail[dot]com
11	JAMMU and KASHMIR	Power Development Deptt. of J & K - https://jk.ahasolar.in/	
12	JHARKHAND	Jharkhand Bijli Vitran Nigam Limited - http://suvidha.jbvn.co.in/	Email : ravishankar[dot]jseb[at]gmail, info[at]jreda[dot]com , cecr2018[at]gmail[dot]com , rishi[dot]jseb[at]gmail[dot]com
		TATA STEEL UTILITIES AND INFRASTRUCTURE SERVICES LIMITED - http://services.tatasteel.co.in/rts/	Email : debashish[dot]singha[at]tatasteel[dot]com
13	KARNATAKA	Bangalore Electricity Supply Company Ltd. (BESCOM) - http://srtpv.bescom.org/SRTPV/expression_of_interest_soura_gruha.jsp	Email : gmndsm[dot]work[at]gmail[dot]com
		Chamundeshwari Electricity Supply Company Ltd. (CHESCOM) - Apply for Installation Interest Request (Discom's Portal Under Process)	Email : agmproj1[at]cescmysore[dot]org
		Gulbarga Electricity Supply Company Ltd. (GESCOM) - Apply for Installation Interest Request (Discom's Portal Under Process)	Email : gescomdsm[at]gmail[dot]com
		Hubli Electricity Supply Company Ltd. (HESCOM) - Apply for Installation Interest Request (Discom's Portal Under Process)	Email : eedsmndrnd[dot]hescom[at]gmail[dot]com
		Mangalore Electricity Supply Company Limited - Apply for Installation Interest Request (Discom's Portal Under Process)	Email : seecoml[at]rediffmail[dot]com
14	KERALA	Kerala State Electricity Board - https://wss.kseb.in/selfservices/sbp	Email : sourakseb[at]gmail[dot]com
15	LAKSHADWEEP	Electricity Deptt. of Lakshadweep - http://uwp.lakshadweep.idaminfra.com/	Email : dharwesh[dot]mp[at]gmail[dot]com , dirleda[at]gov[dot]in
16	MADHYA PRADESH	M.P. Poorv Kshetra Vidyut Vitran Co - http://www.smartbijlee.mpez.co.in/view/net_metering/net_metering_form.php	Email : solarcellez[at]gmail[dot]com
		M.P.Madhya Kshetra Vidyut Vitran Co. - https://rooftop.mpcz.in/uwp_rooftop/home	Email : mpczc3[at]gmail[dot]com , mdvubn[at]gmail[dot]com , shrikantbdeshmukh[at]gmail[dot]com , mpvunl[dot]netmetering2016[at]gmail[dot]com
		M.P.Paschim Kshetra Vidyut Vitran Co. - https://mpwzservices.mpwin.co.in/mpeb_english/home	Email : dkpatidar[dot]20149[at]gmail[dot]com, technicalcellwz[at]gmail[dot]com
17	MAHARASHTRA	Adani Electricity Mumbai Limited - https://iss.adanielectricity.com/MUMBAINSC/	Email : Ashay[dot]Dalal[at]adani[dot]com, Dipti[dot]Padwal[at]adani[dot]com

5. Applications shall be submitted up to sanctioned load of the installation and CFA/subsidy is applicable as detailed in Table-B.
6. Applications which are not technically feasible will be rejected.
7. 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 below considering MNRE bench mark price for FY 2021-22.

Table B: Actual consumer investment

Individual Residential Consumers							
Proposed SRTPV Capacity (kW)	Benchmark Cost	Total Capital Cost based on Bench Mark Price (Rs)	Subsidy from MNRE (Rs.)		L1 Price of Empanelled Agencies	Total capital cost based on L1 Price (Rs.)	Actual Consumer Investment (Rs.)
1	51100	51100	@40% for 1kW	20440	53500	53500	33060
2	46980	93960	@40% for 2kW	37584	48300	96600	59016
3	45760	137280	@40% for 3kW	54912	48000	144000	89088
4	44640	178560	@40% for 3kW + @20% for 1kW	63168	46000	184000	120832
5	44640	223200	@40% for 3kW + @20% for 2kW	72096	46000	230000	157904
6	44640	267840	@40% for 3kW + @20% for 3kW	81024	46000	276000	194976
7	44640	312480	@40% for 3kW + @20% for 4kW	89952	46000	322000	232048
8	44640	357120	@40% for 3kW + @20% for 5kW	98880	46000	368000	269120
9	44640	401760	@40% for 3kW + @20% for 6kW	107808	46000	414000	306192
10	44640	446400	@40% for 3kW + @20% for 7kW	116736	46000	460000	343264
>10 to 100	41,640 per kW	Varies Depending upon capacity	@40% for 3kW + @20% for 7kW	116736	40000	Varies Depending upon capacity	Varies Depending upon capacity
>100 to 500	39,080 per kW	Varies Depending upon capacity	@40% for 3kW + @20% for 7kW	116736	34500	Varies Depending upon capacity	Varies Depending upon capacity
Group Housing Societies (GHS) / Residential Welfare Associations (RWA)							
Proposed SRTPV Capacity (kW)	Benchmark Cost	Total Capital Cost based on Bench Mark Price (Rs)	Subsidy from MNRE (Rs.)		L1 Price of Empanelled Agencies	Total capital cost based on L1 Price (Rs.)	Actual Consumer Investment (Rs.)
1	51100	51100	@20%	10220	53500	53500	43280
2	46980	93960	@20%	18792	48300	96600	77808
3	45760	137280	@20%	27456	48000	144000	116544
4	44640	178560	@20%	35712	46000	184000	148288
5	44640	223200	@20%	44640	46000	230000	185360
6	44640	267840	@20%	53568	46000	276000	222432
7	44640	312480	@20%	62496	46000	322000	259504
8	44640	357120	@20%	71424	46000	368000	296576
9	44640	401760	@20%	80352	46000	414000	333648
10	44640	446400	@20%	89280	46000	460000	370720
>10 to 100	41,640 per kW	Varies Depending upon capacity	@20%	89280	40000	Varies Depending upon capacity	Varies Depending upon capacity
>100 to 500	39,080 per kW	Varies Depending upon capacity	@20%	89280	34500	Varies Depending upon capacity	Varies Depending upon capacity

*The above subsidy calculations is done on the lowest price discovered through tendering or to the MNRE benchmark cost.

**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