

Scheme for Implementation of Phase-II Grid Connected Rooftop Solar Programme for achieving cumulative capacity of 12MW from Rooftop Solar (RTS) projects in Chandigarh for the current year 2020-21 through Renewable Energy Service Company (RESCO) in BOT model by CREST, Chandigarh.

MNRE (GOI) allocated a target of 15MW for Roof Top Systems to be installed during the Financial year 2019-20 vide letter No.318/63/2019-GCRT Dated 04th October, 2019, as per MNRE (GOI) Guidelines issued vide letter No. 318/331/2017-Grid Connected Rooftop dated 20th August, 2019 for the Implementation of Phase-II Grid Connected Rooftop Solar Programme.

1. Objectives of Phase-II of Grid Connected Rooftop Solar Programme.

- a. To promote grid connected RTS in all consumer segments, viz., residential, institutional, social, Govt., commercial, industrial etc.
- b. To bring DISCOMs at forefront as key drivers for rapid deployment of RTS.
- c. To create awareness, capacity building, human resource development, etc.
- d. To promote sustainable business models.
- e. To create additional RTS capacity of 38000 MW in the country by 31.12.2022 out of which a capacity of 4000 MW in residential sector with Central Financial Assistance and 34000 MW in other sectors (i.e., Social, Government, educational, PSUs, Statutory /Autonomous bodies, Private Commercial, Industrial Sectors etc.) by suitably incentivizing DISCOMs.
- f. To promote domestic manufacturing of solar cells and modules.

2. Business models:-

The MNRE (GOI) has given various Business Models in accordance with the prevailing legal framework, which are covered under the programme such as **CAPEX, RESCO, rent a roof/lease model, community model, utility model, through a SPV having share of Utility, plug-in RTS model and any other model as specified by respective State Govt. Policy/Regulations.** Roof Top systems with or without battery storage are covered under the programme.

CREST has formulated an innovative scheme i.e. RESCO with BOT Model only for Chandigarh residents, in which, power will be supplied to the beneficiary on the discounted cost then presently being charged by the DISCOM and transfer the system to the beneficiary at **zero cost** after certain time which will be decided through the tender.

3. Highlights of the scheme:-

- **TARGET GROUP:** - The high power consuming residential buildings/houses..
- Target Size: 2000 to 2400 Nos. Residential Buildings/houses on first come first serve basis.
- Project Size: 5 kWp to 10KWp
- Target Area: All residential sectors in Chandigarh
- Beneficiary Investment - NIL
- Cost of Power from Solar Plant- Approx. 35% lower than current applicable tariff of CED.
- Flat Solar Tariff of Rs.3.44/- per unit upto the time of BOT.
- After BOT period beneficiary will enjoy free Solar Power from the system
- System Expected life - 25 years
- Till BOT the system will be maintained by the RESCO at its own cost and after Transfer by the consumer.

4. ROLES OF DIFFERENT AGENCIES:-

Sr. No.	CREST	RESCO	DISCOM/CED	BENEFICIARY
1.	Project Development	Quoting the tender/Bidding competitively	Approach MNRE (GOI) for Targets & Sanction of subsidy on behalf of DISCOM	To apply online with the CREST under RESCO with BOT model
2.	Floating of tender for RESCO Selection	Site Survey	To allow the Grid connectivity	To allow RESCO company to install the SPV Power Plant and give access upto BOT time for O&M of the project and extend all cooperation to the RESCO
3.	Allocation of targets to RESCO Companies	Opening of Office/Service centre in the city	To develop procedures to fix timelines in consultation with CREST & RESCO for timely completion of Project	To sign the agreement with DISCOM, RESCO & CREST
4.	Identification of beneficiaries in cluster	Arrangement of funds for smooth & timely execution of Project	To work in mission mode as per regulations	To pay the solar power bill to DISCOM
5.	Allocation of beneficiaries in cluster to RESCO	Good O&M facilities to their Projects	To approach MNRE for subsidy as per achievements	To ensure the safe custody of the system and allow RESCO to access it from time to time whenever required.
6.	Quality Control & Monitoring of Project	On line monitoring	Recovery of Solar Energy supply bill & paid to RESCO Company	

7.	Co-ordination with all stake holders act as Nodal Point	To provide project performance to CREST as per timeline	Settlement of accounts after completion of the project with MNRE (GOI)	
8.	Release of Subsidy to the RESCO		To install the tested smart meters provided by RESCO company	
9.	Providing status of the project time to time to DISCOM for further action			

5. MODE OF SELECTION OF RESCO COMPANY

RESCO COMPANY WILL BE SELECTED THROUGH e-TENDERING MODE WITH THE FOLLOWING PARAMETERS:-

- i. Rs. 3.44 per unit (kWh) will be the capped price per unit and BOT period will be variable and deciding factor of the tender.