

FREQUENTLY ASKED QUESTION FOR INSTALLATION OF RTS SYSTEM

(1) Who can opt for installation of Rooftop Solar system?

Ans. All consumers under residential, commercial, industrial, institutions, Govt. buildings, hotels, resorts etc. can install RTS system subject to sufficient roof space and shadow free suitable area with ownership of the building for solar installation.

(2) How to apply for RTS installation?

Ans. Application with documents may be submitted to division office with complete details of required rooftop solar installation.

(3) Is there any application fee for submission of online application?

Ans. No. There is no application fee for submission of application in a portal.

(4) What documents are required to apply for RTS installation?

Ans. Electricity bill, Aadhar card, Applicant photograph and Building photograph.

(5) How much capacity of RTS can be installed?

Ans. Upto 10 KW, no technical feasibility is required. However for installation above 10 KW the department will check the feasibility and the approval of feasible capacity will be issued.

(6) What are the technical requirements for installing RTS system?

Ans. The roof should have sufficient space for solar panels and should be structurally strong to support the weight of the panels. The roof should also receive direct sunlight for a good portion of the day.

(7) How much roof area is required to set up the grid connected RTS system?

Ans. About 10 Sq.mm area is required to set up 1 KWp grid connected RTS system. However with large capacity of panel of more than 500 Watts, 6 Sqmt is also sufficient for installation of RTS plants.

(8) What is the role of Electricity Department in RTS installation?

Ans. The Electricity Department shall issue NOC and approve the RTS installation for grid connectivity and net metering arrangement for grid interconnection.

(9) How do I ensure my system is operating efficiently?

Ans. Regular maintenance, cleaning of panels and monitoring the system output are key activities to ensure optimal performance. The vendor may offer periodic service checks.

(10) Will my RTS system work on cloudy days?

Ans. Yes. Rooftop solar panels can still generate electricity on cloudy days but at a reduced capacity. Solar panels work by capturing diffused sunlight as well as direct sunlight.

(11) Is Rooftop solar a good investment for hotels?

Ans. Yes RTS is a good investment for hotels as they typically have large roof spaces and high electricity consumption. RTS installation can bring down the electricity consumption substantially which can result in substantial cost saving overtime. This is also mandate as per ECBC code and SVPMC Byelaws which is environmentally sustainable by reducing carbon wood print.

(12) What is the specification and benefits of Net Metering for RTS installation?

Ans. The specification of net meter shall be as per IS: 13779 and technical specification of CEA standards. Any excess power can be fed into the grid under net metering arrangement. The system can be extended by adding more panels or batteries depending on increasing energy needs and available shadow free Roof space. Net metering reduces electricity bills as the solar generation units are deducted from the total consumption thereby the payment of electric bill is made for the balance units i.e. Export - Import.

(13) What are the safety standards for RTS solar installations?

Ans. The installations must comply with BIS & MNRE guidelines for safety and performance. The details may be sought from MNRE website.

(14) Whom to contact for queries related to RTS system?

Ans. NRSE Division, Electricity Department is a Nodal office responsible for implementation and addressing the queries related to all kinds of Renewable Energy projects in A&N Islands including RTS system.

(15) Are there any specific solar panel brands to be used?

Ans. Only MNRE approved solar panels and invertors shall be used.

(16) Can multiple system be installed at one location?

Ans. Only one solar system is permitted per electricity connection.

(17) What will happen to the excess energy generated by RTS system?

Ans. If the total exported solar energy to the Electricity Department Grid exceeds the total energy drawn (Imported) from the grid the same shall be settled only within the settlement period i.e. April to March every financial year and shall not be carried over to the next financial year and shall be treated as free of cost beyond the settlement period.

(18) Is the Electricity Department will issue separate monthly electricity bill for Solar generation?

Ans. The new billing format is being introduced which will facilitate banking of solar units. The units accumulated during the current financial year will be adjusted in subsequent month and will be reset to zero at the end of financial year.

(19) Can the RTS system be connected to a battery back up?

Ans. Yes. Rooftop Solar system can be connected to battery storage to store excess energy generated during the day for use at night.

(20) Is there any subsidy scheme available for RTS installation?

Ans. The domestic consumer only under PM Suryaghar Muft Bijli Yojana is provided Central Subsidy as well as UT subsidy. UT subsidy of Rs. 45,000/KW upto 2 KW and 27,000 for another 1 KW upto 3 KW approved and notified on 23.10.2024 in addition to CFA of Rs. 33,000/KW upto 2 KW and 19,800 for another 1 KW upto 3 KW from MNRE.
