

Special Area Demonstration Programme (SADP) Scheme

SADP SCHEME AT RAJ BHAWAN

Ministry of New and Renewable Energy (MNRE), Govt. of India sanctioned Renewable Energy Project for Rajbhawan, Dehradun/Nainital under Special Area Demonstration Programme (SADP) Scheme. The total sanctioned cost of the project is Rs. 74.82 Lakhs which will be provided by MNRE as Central Financial Assistance. The following systems have been installed/being installed at Rajbhawan, Dehradun & Nainital campuses:-

A. Rajbhawan, Dehradun:-

- Solar Power Plants:-** Two numbers Solar Photovoltaic Power Plants of capacity 7 KW and 2 KW respectively are being installed. The generated power will be used for energizing the HE's residence campus lights.
- Solar Water Heating Systems:-** Evacuated Tube Solar Water Heaters of composite capacity 1400 Liters per day with auxiliary heating from air source heat pump and Evacuated Tube Solar Water Heaters of composite capacity 1400 Liters per day with electrical backup have been installed at Rajbhawan, Dehradun. The hot water is being used for domestic purpose.
- Solar Photovoltaic Pump:-** Solar Photovoltaic Pump of 1.8 Kilowatt capacity has been installed at Rajbhawan, Dehradun. The water lifting capacity of the pump is 8000 Liters per day. The pump is being used for lifting water from an under-ground tank for kitchen gardening.
- Solar Road Studs:-** Solar Road Studs provides a significant increase in the effective warning distance for drivers, help reduce pedestrian and vehicle accidents cause by poor weather conditions and help reduce driver fatigue caused by the perception of long, dull, dark roads at night. 250 Nos. Solar Road studs have been installed on the main road of Rajbhawan, Dehradun.
- Solar Power Door Frame Metal Detector :** - Two numbers of Solar Powered door frame metal detectors have been installed at Rajbhawan, Dehradun for security purpose.
- Solar Powered Water Purifier System:-** Solar Powered Water purifier system of 2500 Liters per day capacity has been installed in the canteen of Rajbhawan, Dehradun for pure drinking water facility.
- Biogas Plant:-** Biogas plant of 5 cubic meter capacity based on kitchen waste has been installed.

B. Rajbhawan, Nainital:-

- Solar Power Plants:-** Solar Photovoltaic Power Plant of 5 KW capacity has been installed. The generated power is being used for energizing the outdoor campus lights and staff quarter.
- Solar Water Heating Systems:-** Evacuated Tube Solar Water Heaters of composite capacity 1100 Liters per day with electrical backup have been installed at Rajbhawan, Nainital. The hot water is being used for domestic purpose.
- Solar Photovoltaic Pump:-** Solar Photovoltaic Pump of 1.8 Kilowatt capacity has been installed at Rajbhawan, Nainital. The water lifting capacity of the pump is 8000 Liters per day. The pump is being used for lifting water from an under-ground tank for kitchen gardening.
- Solar Road Studs:-** 100 Nos. Solar Road studs have been installed on the main road of Rajbhawan, Dehradun.
- Solar LED Street Light:-** 20 Nos. Solar LED Street Lights have been installed for street/campus lighting.
- Wind Power Generators:-** 5 Nos. of 1 KW capacity wind power generators have been installed.

Other Sites Selected in Uttarakhand under SADP

In Uttarakhand, MNRE has selected following other places/site under SADP programme in order to create publicity of the renewable energy technologies, systems and also to disseminate information on technology developments and promotion activities taking place in the area of new and renewable energy.

Sl. No.	Site/Places selected for SADP scheme in Uttarakhand
1	State Level Energy Park at G.B Pant Engineering College, Pauri Garhwal
2	Nanda Devi and Valley of Flowers National Park of Uttarakhand
3	Shri Badrinath Shrine
4	Shri Kedarnath Shrine
5	The Doon School, Dehradun
6	Gurukul Kangri Vishwavidyalaya, Haridwar
7	Indian Military Academy, Dehradun
8	State Assembly, Dehradun

Installation of Renewable Energy Systems at Shri Badrinath and Shri Kedarnath Shrines is being done according to the guidelines and sanction of the Ministry of New and Renewable Energy (MNRE), Govt. of India. For installation of Renewable Energy Systems at the other selected sites, Detailed Project Reports (DPRs) have been prepared by UREDA and submitted/being submitted to MNRE for providing financial assistance for the installation of the system.