

## **Solar Electricity Generation at Karmaveer Bhaurao Patil College, Islampur**

Karmaveer Bhaurao Patil College, Islampur, is committed to promoting sustainable development and adopting environmentally friendly practices on its campus. As part of its efforts towards the conservation of energy and the promotion of renewable energy sources, the college has installed a **35 kW solar power generation project** on its campus.

The solar power plant harnesses solar energy to generate clean and renewable electricity. The electricity generated through this system is utilized within the college campus to meet a part of its daily energy requirements. By generating electricity from solar energy, the institution is reducing its dependence on conventional sources of electricity and contributing towards the reduction of carbon emissions.

The installation of the **35 kW solar power project** reflects the college's commitment to energy conservation, environmental sustainability, and the responsible use of natural resources. The initiative also provides an opportunity for students and staff to understand the practical applications and benefits of renewable energy technologies.

The use of solar-generated electricity contributes to the development of a greener and more sustainable campus. It helps the institution reduce its conventional electricity consumption and promotes awareness about the importance of renewable energy among students, faculty, and other stakeholders.

Through this initiative, Karmaveer Bhaurao Patil College, Islampur, demonstrates its commitment to sustainable campus practices and encourages the adoption of renewable energy for a cleaner and environmentally responsible future.

The college has an average annual electricity consumption of 74,856 kWh. The 35 kW solar power plant generates approximately 3,000 kWh of electricity per month, corresponding to an estimated annual generation of 36,000 kWh. Thus, approximately 48.1% of the college's annual electricity requirement is met through renewable solar energy, significantly reducing dependence on conventional grid electricity and promoting sustainable energy practices on the campus.

## Rooftop solar system at Karmaveer Bhaurao Patil College, Urun- Islampur

