



University of Kota, Kota

M.B.S. Marg, Near Kabir Circle, Kota-324005 (Raj.)

Website: www.uok.ac.in

7.3- INSTITUTIONAL DISTINCTIVENESS

Use of Green Energy (solar) for teaching-learning process.

With due concern for the environment and to promote use of clean energy, it was decided to move towards use of solar energy in the campus. University of Kota, Kota started M.Tech. (Solar Energy) course in 2014 and run M.Sc. Physics course with specialization in Energy Studies, therefore installation of solar PV system(s) were also done for academic reasons and for increasing environmental awareness among students.

A 100kW grid connected solar photovoltaics based power system was installed in the University in 2016. This was amongst the first solar PV plants which were grid connected. Since then, the system is running efficiently and supplying power. On an average around 500 kWh units of electricity is generated per day by the system. Students from the university campus and also from other colleges visit the system to learn about the working and benefits of the system.

Objectives:

- To promote use of clean power in campus.
- To spread awareness among students and staff and general public of Kota towards benefits of solar power.
- To use the system for teaching and learning purposes.

Impacts:

- Electricity generation of around 10,000 to 14,000 kWh units each month.
- Savings of around 10-12 lakhs rupees each year due to electricity generated by solar power plant
- Reduction in around 40-50 tonnes of CO₂ emissions each year.
- Use in education and enhancing awareness of the campus students (around 500 students each year)
- Visit of students from other colleges and students undergoing Suryamitra training to the power plant (50-100 students each year).