

CHAMELI DEVI GROUP OF INSTITUTIONS INDORE

ENERGY & ENVIRONMENT PROJECTS

Solar Power Plant

In today's scenario, solar power is one of the best solution to overcome the energy deficit in the world. It is a kind of renewable energy source, and the generation of solar power does not have any adverse effect on the environment. Ministry of new and renewable energy, Government of India, is also taking initiatives for developing Solar / Green cities all over India. As a part of it, CDGI came forward to install Rooftop Solar Photovoltaic Power Plant which would not only satisfy the institute power demand, but in addition, this system can also feed the power back to Electricity Board (Grid) when the internal requirement is less than the generated power. CDGI is the first Educational Institute in Indore, which has established **125 KW Solar PV Power Plant** which is generating **600 units of power daily**. This plant will generate more than **1.8 lakh units every year**. Average monthly power generated is **approximately 15000 KWH**. The plant provides substantial cost savings on the power consumption for the College. The Solar Power Plant, with unique design consists of 399 Solar Photovoltaic Modules, 2 numbers of 50KW and 1 number of 20KW Grid Connected Inverters.



Rooftop Solar Photovoltaic Power Plant at CDGI

Rain water harvesting

One of the biggest challenges of the 21st century is to overcome the growing water shortage. Rainwater harvesting has thus regained its importance as a valuable alternative or supplementary water resource, along with more conventional water supply technologies. Water shortages can be relieved if rainwater harvesting is practiced more widely. Considering this view in mind CDGI has taken an initiative to develop rainwater harvesting project. The project is under development and would cater the water consumption need of whole campus of CDGI at Khandwa road Indore.

Waterless Urinals in CDGI Campus

DIR has taken up the responsibility of getting waterless urinals installed at CDGI, Indore in a phased manner. The project aims to break the myth that “Water is necessary in a urinal for flushing and without water, urinals would stink.” By installing waterless urinals, CDGI will be saving thousands of litres of precious potable water every year and in the process save lot of money that is spent in buying water during summer season.