

## **Solar Power Plant a Green Initiative**

Renewable energies are sources of clean, inexhaustible competitive energy. N. H. College, Bramhapuri is now a Solar campus. Aim of this solar power plant to be installing is to take advantage of freely available solar illumination in generating electricity for captive use and provide support in implementing national solar mission of government of India under roof top solarisation scheme.

Nevjabai Hitkarini college, Bramhapuri take an initiative to use this renewable source of energy (Solar energy) in its campus. Institution has install roof solar power plant with Grid tied Net metering system on 24 January 2019. Institution sign memorandum of understanding with Agreeen Allied Services Pvt. Ltd. to promote research interaction and co-operation by industry institute partnership.

Cost for the installation of this solar power plant is about 17,69,250 /- and having electricity generation capacity 32.50 Kw (3Phase, 50 Hz ) It cover almost all area of the campus including Library, auditorium, New P.G. Building, Old building. Institution has planned to install one another unit of solar power plant which cover girls hostel, boys hostel and indoor stadium in future. Some highlighted point about this solar power plants are incorporated here

Plant Capacity in Kw : 32.50 Kw , ( 3 phase, 50 Hz )

Total investment in Rs. : 17,69,250 /-

MNRE Subsidy in Rs. : 4,33,875 /-

Generation per month in Kwh : 4321 Kwh

Generation per month in Kwh : 51,852 Kwh

### **Savings**

Per Year in Rs : Rs. 6,22,224 /-

Life time : Rs. 13,222,261 /-

Water save in liters : 5,56,000

Life time CO<sub>2</sub> emission in Kg : 5,57,409

## Installation of Solar Panel on PG Building Roof

