



## DHARAMPET M. P. DEO MEMORIAL SCIENCE COLLEGE NAGPUR

### 7.1.2: *The Institution has facilities for alternate sources of energy and energy conservation measures*

1. **Solar Energy:** 50kVA On-Grid solar panels have been installed since 2018. The overall amount of electricity costs for the year has dropped dramatically. When needed, environmental responsibility is also taught to students.
2. **Biogas Plant:** We currently make compost out of the green waste, which is useful for plants. Still, we hope to build a biogas plant shortly.
3. **Whiling to Grid:** Our 50 kVA solar facility is entirely of the On-grid variety.
4. **Sensor-based energy conservation:** The majority of appliances, such as air conditioners, refrigerators, drinking water coolers, and other electronic devices, come with built-in temperature controllers or thermostats, which can help cut down on the amount of electricity needed. However, lighting, fans, and electric water pumps will soon all be automated. A small number of lights are trial-operated and rely on a light sensor.
5. **Use of LED bulbs/ power efficient equipment:** Presently, we have a plan in place to swap out outdated CFC/tube lights for LED bulbs when they break or fuse. An abundance of LED lighting has been placed lately. CRT-based computer systems are likewise being replaced with LED/LCD screens. The CRTs were delivered to recycling companies so they may be disposed of or used again in an environmentally responsible way. Invertor mode gadgets are preferred when purchasing new.

**Dr. N. P. Gaikwad**

IQAC Co-Ordinator

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**Dr. A. V. Peshwe)**

Principal

**Principal**

Dharampeth M. P. Deo Memorial  
Science College, Nagpur



## ON-GRID SOLAR ROOF-TOP POWER PLANT

Capacity: 20 KWp

Beneficiary Name: \_\_\_\_\_

Address: \_\_\_\_\_

Main Building,  
Dharamnagar, Nagpur.

Date of Commissioned: \_\_\_\_\_

Financial Assistance Details: \_\_\_\_\_

MNRE-GCRT Program

Total Project Cost: \_\_\_\_\_

Subsidy: \_\_\_\_\_

Details of Major Components

Solar Panels: Make: Icon Wp: 325 Tot: 62

Inverter: Make: Growatt Capacity: 20 kw

### Details of Channel Partner

#### GREEN LIFE SOLUTIONS PVT LTD

An ISO 9001:2008 Certified company  
Plot No. 36, Atrey Layout, Pratap Nagar, Nagpur-440022  
Email : info@greenlifesolution.in , M: 9225332011

Financial Assistance By:



Maharashtra Energy  
Development Agency



### Do's and Don't for Solar Roof Top System

- Solar Module cleaning instruction
- Clean your modules alternative days early in morning or late evening
- Clean your module with water, use hose with a suitable nozzle to allow the stream of water to reach the panels
- Do Not Step on solar module, Do not drop or allow any object to fall on solar module

### General Instruction:

- Do not switch On/Off Buttons of Inverter, MCCB etc.
- Do Not touch OR Disturb electrical connections
- Contact authorized engineer from Green Life in case of any system related problem.





Shot on OnePlus  
By Prashant Ambekar



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By Prashant Ambekar

powering tomorrow  
**Growatt**

PV INVERTER



GENERAL FAULT



**MATRIX**

Wire Box



Do not open except professionals!

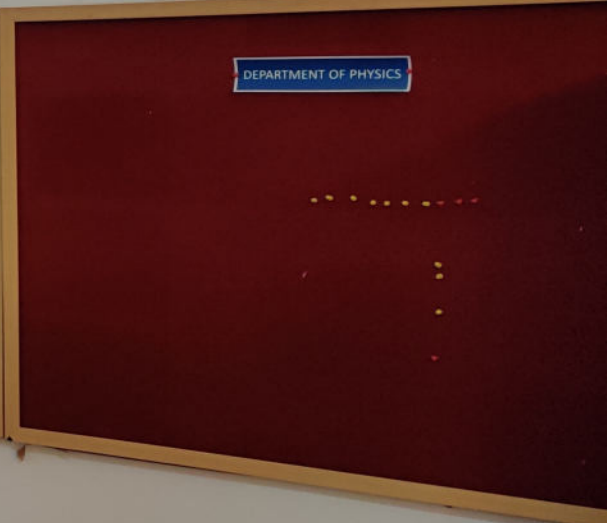
**DANGER**  
HIGH VOLTAGE  
बिजली  
काबू में रखें

AC Distribution Box  
16-20 KW 3P

**Growatt**



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