



DHARAMPETH 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:** Since 2018, 50kVA On-Grid solar panels have been installed, resulting in a significant reduction in annual electricity costs. Students are also taught environmental responsibility when necessary.
2. **Biogas Plant:** We currently convert green waste into compost, which is beneficial for plants, but we intend to construct a biogas plant soon.
3. **Whiling to Grid:** Our 50kVA solar facility is exclusively On-Grid.
4. **Sensor-based energy conservation:** Most appliances, including air conditioners, refrigerators, drinking water coolers, and other electronic devices, have built-in temperature controllers or thermostats, which can help reduce the amount of electricity required. But soon, electric water pumps, fans, and lighting will all be automated. A light sensor is used to control a few trial-operated lights.
5. **Using power-efficient devices and LED bulbs:** We now have a plan in place to replace old CFC/tube lights with LED bulbs if they fuse or fail. Recently, a lot of LED lighting has been installed. LED/LCD screens are also taking the role of CRT-based computer systems. For the CRTs to be disposed of or reused in an environmentally appropriate manner, they were shipped to recycling firms. When buying a new device, inverter mode devices are recommended.

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ON-GRID SOLAR ROOF-TOP POWER PLANT

Capacity: 20 KWp

Beneficiary Name: Main Building

Address: 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



NORMAL
FAULT



MATRIX

Wire Box



Do not open except professionals !

DANGER
LIVE WIRE
240V AC VOLTAGE
बिजली का तार
240V AC VOLTAGE

AC Distribution Box
16-20 KW 3P

Growatt



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR
DEPARTMENT OF COMPUTER SCIENCE

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1	Dr. Anand Shrivastava	Head of Department
2	Dr. Anand Kulkarni	Assistant Professor
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20	Dr. Anand Kulkarni	Assistant Professor

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DEPARTMENT OF PHYSICS

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DR. PRASHANT AMBEKAR
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