



Environmental Consciousness and Sustainability

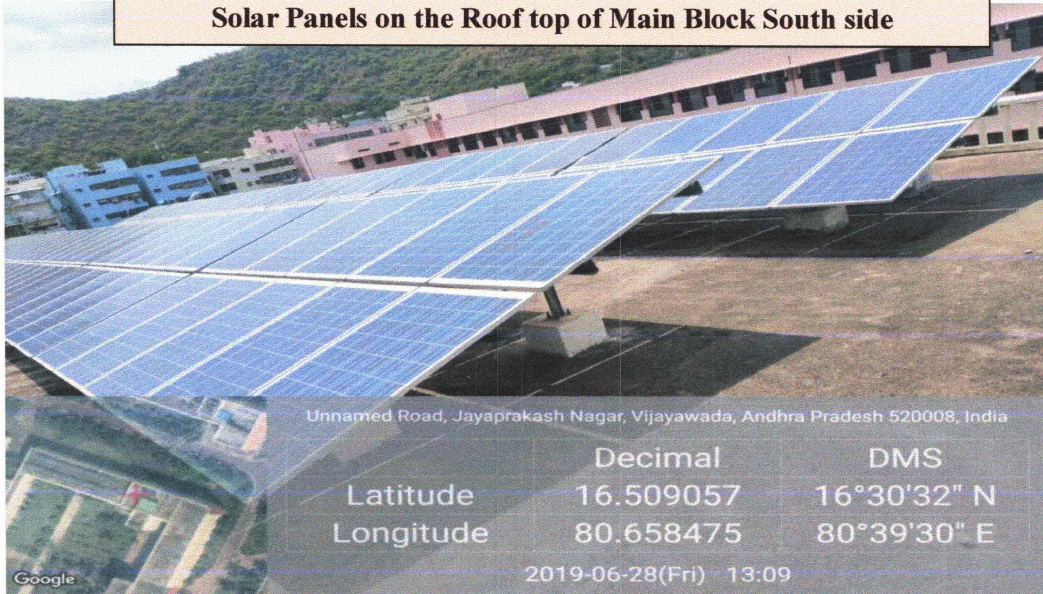
7.1.2: The Institution has Facilities for alternative sources of energy and energy conservation measures:

Ans: A. All of the Above

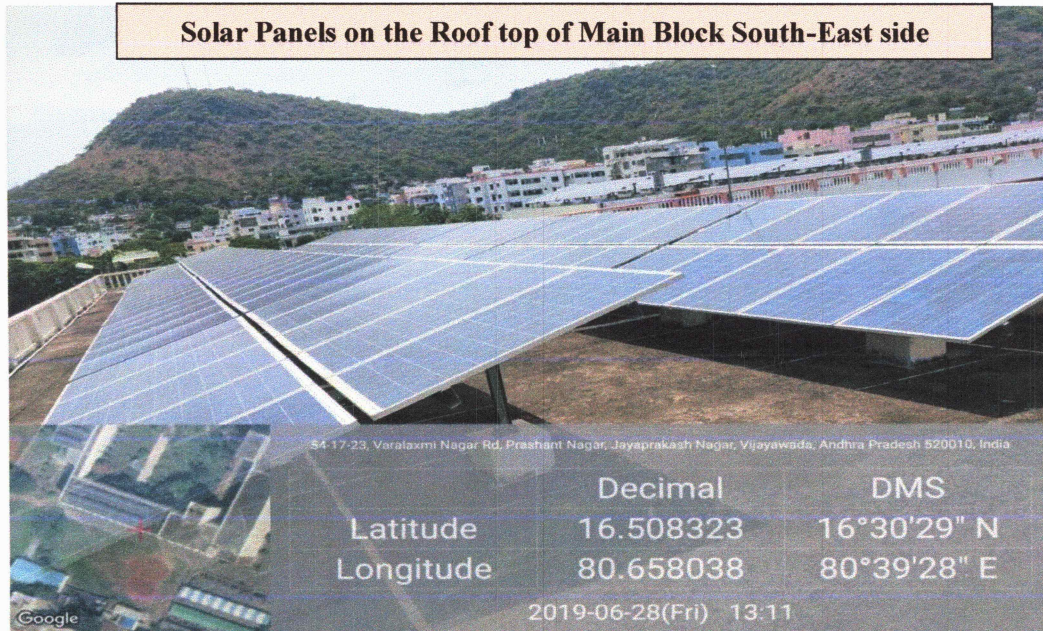
1. Solar Energy:

**Geo tagged photos of alternate energy Source
432 Solar Panels in the campus**

Solar Panels on the Roof top of Main Block South side



Solar Panels on the Roof top of Main Block South-East side



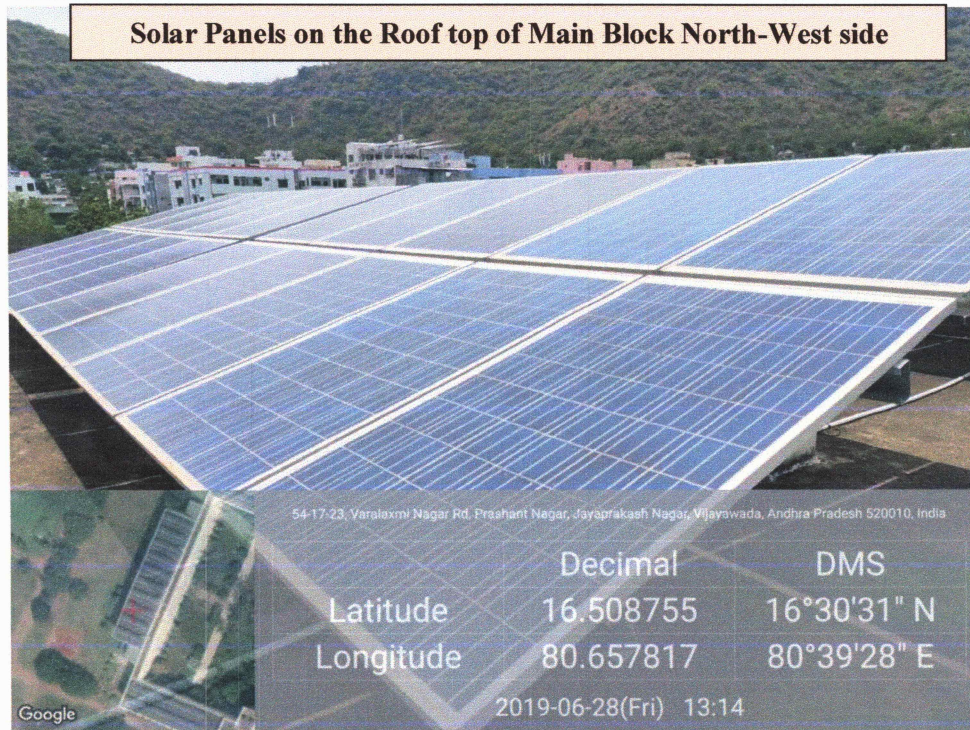
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Solar Panels on the Roof top of Main Block South-West side



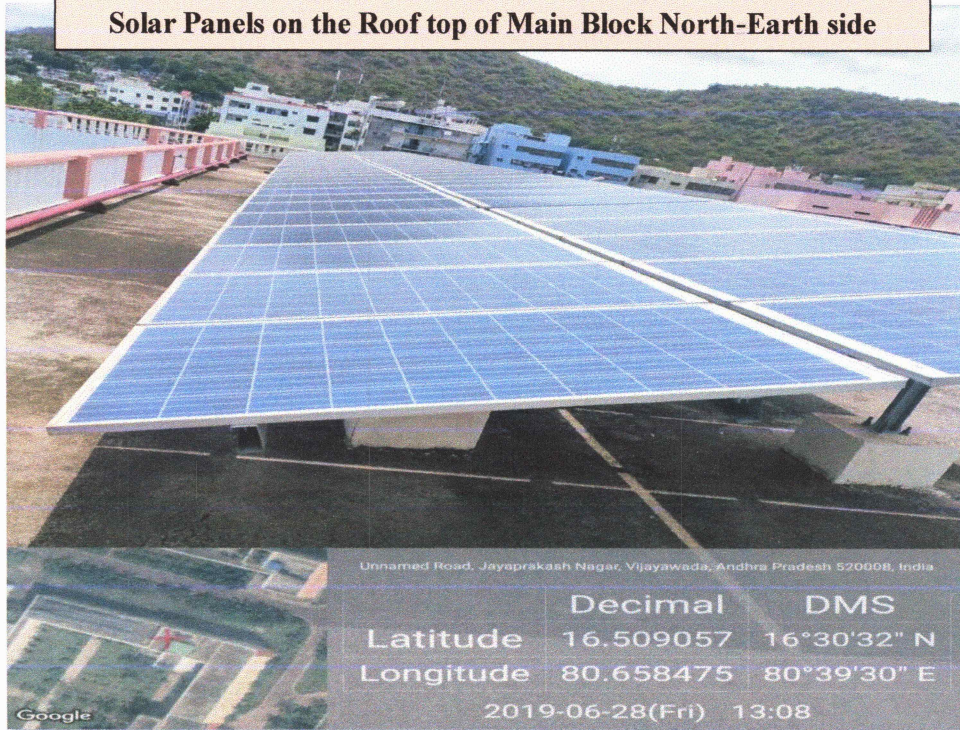
Solar Panels on the Roof top of Main Block North-West side



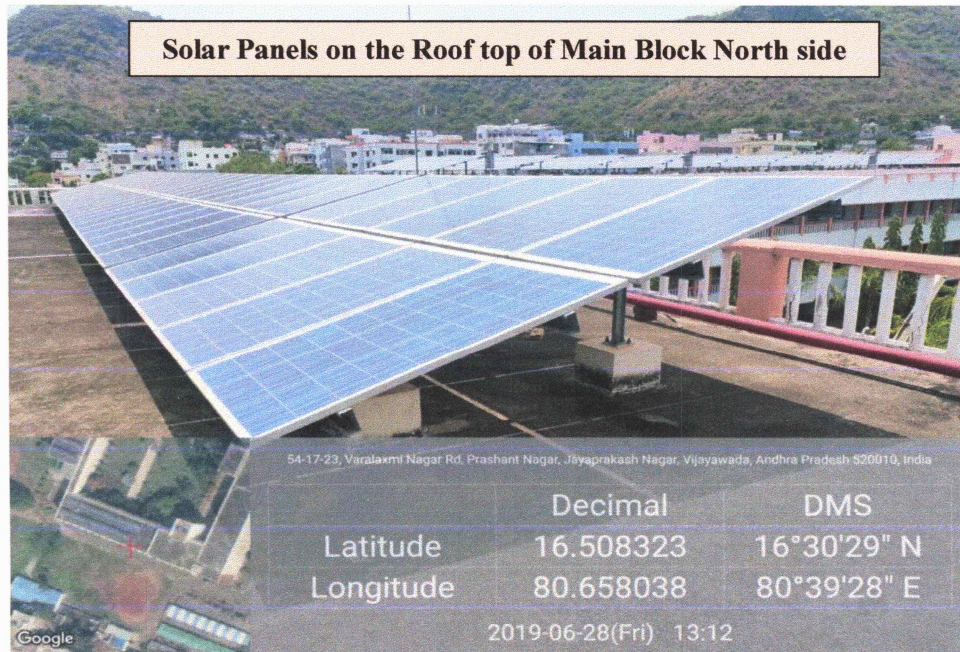
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Solar Panels on the Roof top of Main Block North-Earth side



Solar Panels on the Roof top of Main Block North side

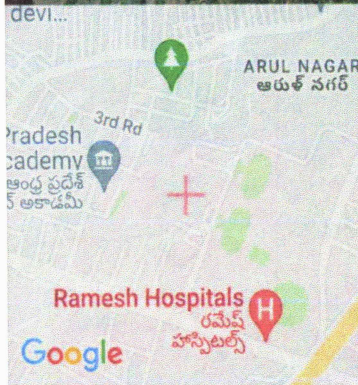


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2. Biogas Plant

Biogas Plant behind Chemistry Lab



Andhra Loyola Institute of Engineering and Technology, Vijayawada, Andhra Pradesh

| | Decimal | DMS |
|-----------|-----------|-------------|
| Latitude | 16.509024 | 16°30'32" N |
| Longitude | 80.658122 | 80°39'29" E |

2022-02-24(Thu) 15:23

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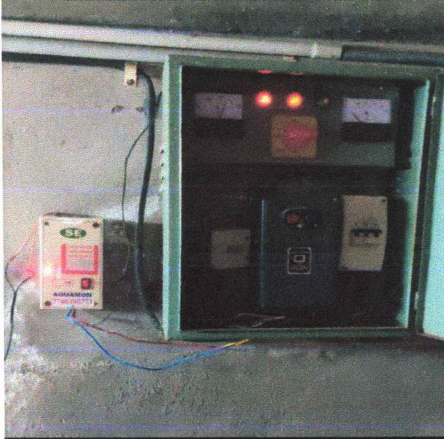
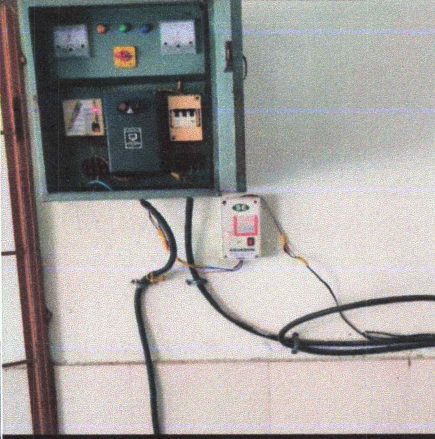


3. Wheeling to the Grid & Inverter:

| Wheeling to the Grid and Inverter in the campus | |
|---|---|
|  |  |
| 54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India | 54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India |
| Latitude 16.5096291° | Longitude 80.6567287° |
| Local 02:09:54 PM GMT 08:39:54 AM | Altitude -47.3 meters Thursday, 24-06-2021 |
| Latitude 16.50896019° | Longitude 80.65804068° |
| Local 02:14:49 PM GMT 08:44:49 AM | Altitude -45.12 meters Thursday, 24-06-2021 |

4. Sensor-Based energy conservation:

Sensor- Based Water refilling in the Overhead Tanks:

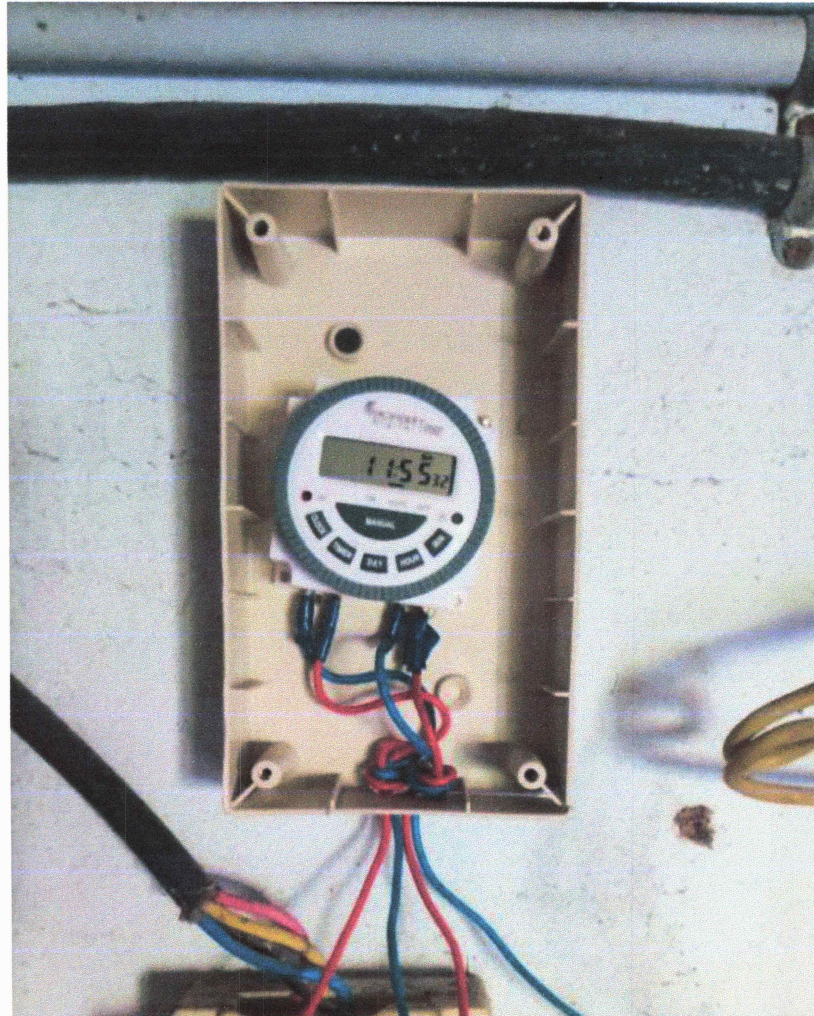
| Sensor Based switches for water refilling in the campus | |
|---|---|
|  |  |
| 54-17-23, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India | 54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India |
| Latitude 16.5084688° | Longitude 80.6584671° |
| Local 11:54:00 AM GMT 06:24:00 AM | Altitude -59.9 meters Wednesday, 23-06-2021 |
| Latitude 16.5094128° | Longitude 80.6585214° |
| Local 12:04:31 PM GMT 06:34:31 AM | Altitude -54.7 meters Wednesday, 23-06-2021 |

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Sensor- Based Power Supply to the college Street Lights:

Sensor Based switches for Street Lights in the campus



54-17-18, Varalaxmi Nagar Rd, Prashant
Nagar, Jayaprakash Nagar, Vijayawada,
Andhra Pradesh 520010, India

Latitude

16.5079447°

Longitude

80.6575679°

Local 11:57:01 AM

GMT 06:27:01 AM

Altitude -60 meters

Wednesday, 23-06-2021

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5. Use of LED Bulbs/ Power Efficient Equipment:

543 LED Bulbs meeting 68.50% of power requirement

Seminar Hall with LED Bulbs



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

Latitude 16.50860029° Longitude 80.65853204° Local 04:24:03 PM Altitude -56.94 meters GMT 10:54:03 AM Thursday, 24-06-2021



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

Latitude 16.5089641° Longitude 80.6587182° Local 04:23:51 PM Altitude -57.3 meters GMT 10:53:51 AM Thursday, 24-06-2021

Class Rooms and Campus Street Lights with LED



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

Latitude 16.50887979° Longitude 80.65873633° Local 04:26:10 PM Altitude -51.96 meters GMT 10:56:10 AM Thursday, 24-06-2021



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

Latitude 16.50897821° Longitude 80.65862993° Local 04:25:49 PM Altitude -53.71 meters GMT 10:55:49 AM Thursday, 24-06-2021

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Street Lights with LED



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

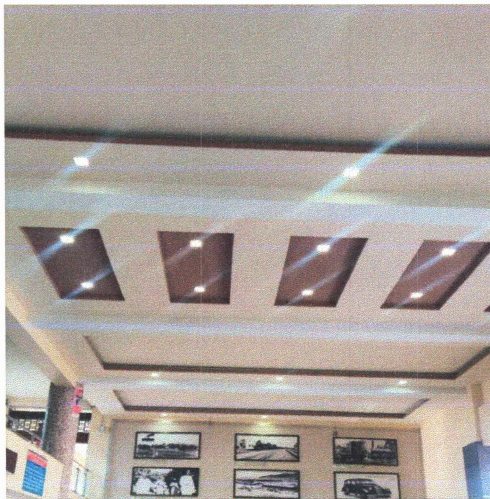
| | |
|-------------------|------------------------|
| Latitude | Longitude |
| 16.50810255° | 80.65871436° |
| Local 02:25:16 PM | Altitude -53.74 meters |
| GMT 08:55:16 AM | Thursday, 24-06-2021 |



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

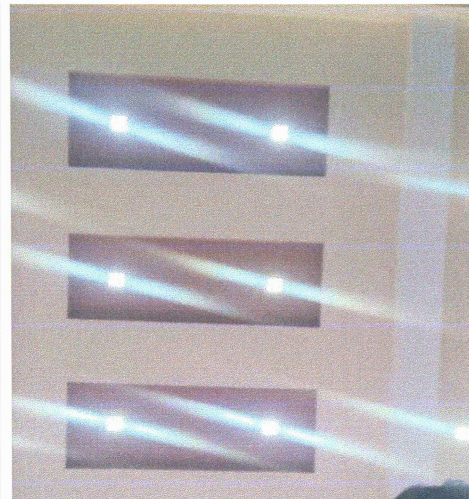
| | |
|-------------------|------------------------|
| Latitude | Longitude |
| 16.50810396° | 80.65871232° |
| Local 02:25:15 PM | Altitude -53.79 meters |
| GMT 08:55:15 AM | Thursday, 24-06-2021 |

Corridors with LED Bulbs



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

| | |
|-------------------|------------------------|
| Latitude | Longitude |
| 16.50854536° | 80.65850409° |
| Local 04:20:45 PM | Altitude -54.38 meters |
| GMT 10:50:45 AM | Thursday, 24-06-2021 |



54-17-18, Varalaxmi Nagar Rd, Prashant Nagar, Jayaprakash Nagar, Vijayawada, Andhra Pradesh 520010, India

| | |
|-------------------|------------------------|
| Latitude | Longitude |
| 16.50859187° | 80.65851913° |
| Local 04:21:46 PM | Altitude -58.48 meters |
| GMT 10:51:46 AM | Thursday, 24-06-2021 |

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LED Display Board – Main Portico



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