

Photographs

7.1.2.1 Alternate sources of energy and energy conservation measures

NAAC Criterion :

7 Institutional Values and Best Practices

Key Indicator :

7.1 Institutional Values and Social Responsibilities

Metric Number :

7.1.2.1 Alternate sources of energy and energy conservation measures

Submitted By:



Delhi Metropolitan Education

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Alternate sources of energy and energy conservation measures at the campus

The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Use of LED bulbs/power efficient equipment
3. Other measures

1. Solar energy

Institute has taken initiative to install solar lights in garden and also intends to increase campus wide solar light usage.



Solar Light in Garden

2. Use of LED bulbs/power efficient equipment

Power crisis is one of the most common problems in India. With the help of LED, we can eliminate this shortage by minimizing the wastage of electrical power or saving our generated power. Light-emitting diodes (LED) are one of today's most energy-efficient and rapidly developing lighting technologies. Quality LED light bulbs last longer, are more durable, and offer comparable or better light quality than other types of lighting. Energy Savings with use of LED is a highly energy efficient lighting technology, and has the potential to fundamentally change the future of lighting.

LED bulbs were used for newly constructed buildings and some of the incandescent and fluorescent tube lights were replaced with LED bulbs. Majority of the class rooms, laboratories, administrative blocks, computer centers, libraries, seminar halls and staff



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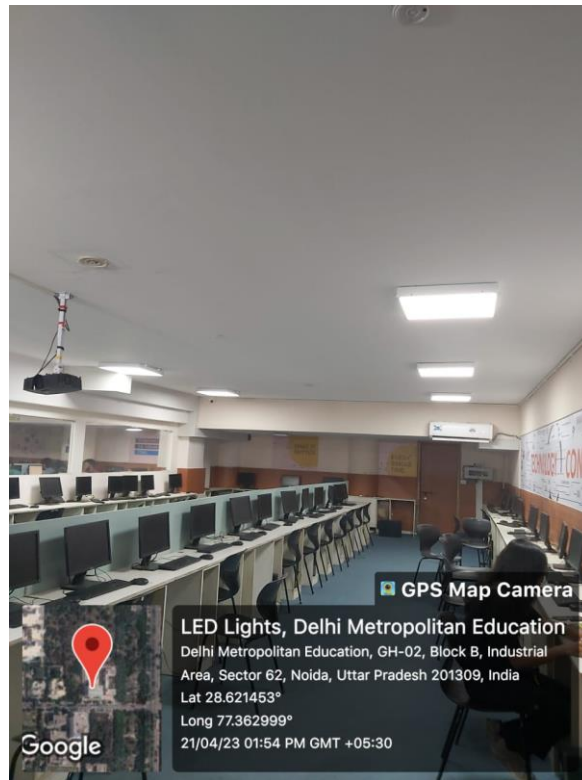
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rooms were provided with LED lighting systems which are supposed to be energy efficient. Now, the power consumption through lighting systems is about 20 percentage is met by LED bulbs.

This initiative is very low cost and also power saving. It also minimizes the electric bills of the institute. Moreover, it creates an opportunity for minimizing the load shedding in the campus.



LED lights installed in Institute

3. Other measures

- A. Energy efficient electronic gadgets like 4 STAR rated air conditioners are used and maintained regularly to achieve energy conservation.
- B. Campaigns on awareness on energy conservation are made available in all relevant locations.
- C. Unwanted usage of power is discouraged in the Institute.
- D. Institute has conducted various awareness drives in campus to ensure saving water & electricity.
- E. Star rated refrigeration system
- F. Invertors
- G. Use of induction in pantry
- H. Awareness on how to conserve energy during the day time



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Campaigns on awareness on energy conservation



GPS Map Camera

4Starr Ac, India

GH-02, Block B, Industrial Area, Sector 62, Noida, Uttar Pradesh 201309, India

Lat 28.621484°

Long 77.363085°

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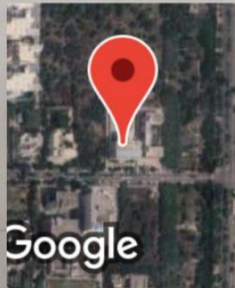
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GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY



 **GPS Map Camera**



Inverter, Delhi Metropolitan Education

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Lat 28.621453°

Long 77.362999°

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