



REPORT ON FACILITIES FOR ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

The use of alternate sources of energy and energy conservation methods would help the College in contributing for the reduction in the carbon footprint and global warming. P.E.S College is highly committed towards the same.

The College has adopted the following energy conservation measures:

- The built environment comprising of class rooms, laboratories, library and corridors are airy and naturally well lighted.
- The College encourages the conservation of energy in such acts as switching off (or unplugging) fans, lights, air condition, computers, printers, other electrical equipment's when not required.
- Awareness regarding environmental consciousness and sustainability is created among the various stake-holders through orientation programmes and circulars.

Besides these general measures, the College has the following facilities for alternate sources of energy and energy conservation:

- **Solar Energy**

Solar energy is an essential source of renewable energy, It is a safe alternative which can replace the energy generated using fossil fuels, that produce air, water and soil pollution. Use of solar energy will eliminate these unsafe and unclean consequences, In order to reduce the usage of conventional electricity, solar devices, such as solar street lights and solar water heaters, are installed in our institution and we will provide solar energy in College campus.

- **Biogas Plant**

The food waste generated in the canteen is highly insignificant due to the continuous effort of awareness creation among the various stake-holders regarding value of food. The highly insignificant quantity of food waste collected, is handed over to the cattle and pig rearing Agripreneurs. Hence, biogas plant is not installed.

- **Wheeling to the Grid**

The wheeling to the grid facility is not created in the Campus as it is not economically viable.

- **Sensor-based Energy Conservation**

The policy towards environmental consciousness and sustainability is successfully implemented in the College. The objectives of sensor-based energy conservation measures are being achieved manually. In our New Building installed Sensor based Lift and instal sensor based solar street lamps. Hence, there is no need for additional investment on sensor- based energy conservation measures.

- **Use of LED bulbs / Power Efficient Equipment**

Use of LED bulbs and power efficient equipment is another form of energy conservation as they use less power supply for working. LED bulbs and tube lights are power efficient which consumes less electricity and gives more light. The details are as follows:

- 516 LED bulbs and tube lights are installed at various locations in the Campus. The energy conserved through LED bulbs and tube lights are 18692 units per annum.
- The College is committed to replace the remaining incandescent bulbs by LED bulbs and tube lights in the phased manner.
- 04 air conditioners and 04 refrigerators are installed at various locations in the Campus. The energy conserved through this power efficient equipment is 3144 units per annum (1846 units from use of 4 star rated refrigerator and 1511 units from use of 4 star rated air conditioners).

By energy conserved methods, we use 79074 units per annum.


IQAC Co-ordinator


Principal
P.E.S. College of Science,
Arts & Commerce, MANDYA



People's Education Trust (R), Mandya
P.E.S. College of Science, Arts & Commerce, Mandya.

M.C. Road, Mandya, Karnataka - 571 401

Dr.H. Anilkumar, M.A.,Ph.D,
Principal

Affiliated to University of Mysore
Accredited by NAAC with 'A' Grade

Energy conservation Policy

The awareness and practice with respect to environmental consciousness and Sustainability issues are of paramount importance in creating and maintaining clean, safe and green environment. In this regard, all stake-holders have to adopt sustainable and eco-friendly practices, The specific policies on various aspects of environmental consciousness and Sustainability are stated in the ensuing paragraphs.

1. Energy Conservation Policy

The Energy Conservation Policy of P.E.S College to manage energy in systematic way so as to minimise the negative impact on the environment. The use of alternate sources of energy and energy conservation methods would help the College in contributing for the reduction in the carbon footprint and global warming. P.E.S College is highly committed towards the same.

The Energy Conservation Policy is as follows:

- Lights and fans shall be switched off when they are not in use.
- Electrical equipment shall be unplugged soon after the usage.
- Artificial lighting and ventilation should be used under unavoidable conditions.
- Existing electrical equipment shall be replaced with energy efficient equipment in the phased manner.
- Existing incandescent bulbs shall be replaced with LED bulbs and tube lights in the phased manner.
- In order to reduce the usage of conventional electricity, solar devices such as solar street lights and solar water heaters will be install.
- Energy auditing shall be carried out on yearly basis.
- Suitable measures shall be adopted in order to continuously improve energy conservation.


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Ref. PES/Circulars/2017-18

08 Jul 2017

**CIRCULAR REGARDING
ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY ON ENERGY CONSERVATION**

The awareness and practice with respect to environmental consciousness and sustainability issues are of paramount importance in creating and maintaining clean, safe and green environment. In this regard, all stake-holders have to adopt sustainable and eco-friendly practices.

Hence, all staff and students are hereby directed to practice the following:


1. Energy Conservation

- a. Turn off lights and fans when they are not in use.
- b. Unplug electrical equipment when not in use.
- c. Use natural light and air as much as possible.
- d. Use of non-conventional energy sources in campus.


IQAC Co-ordinator
PES College of Science, Arts
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Copy to:

1. All heads of various Departments
2. Notice boards.
3. Office


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Ref. PES/Circulars/2018-19

08 Jul 2018

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Hence, all staff and students are hereby directed to practice the following:

1. Energy Conservation

- Turn off lights and fans when they are not in use.
- Unplug electrical equipment if not necessary.
- Use natural light and air as much as possible. Do not use renewable sources of energy unnecessarily.

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Dr.C.R.Raju, M.Sc., Ph.D.
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Ref. PES/Circulars/2019-20

08 Jul 2019

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Hence, all staff and students are hereby directed to practice the following:


1. Energy Conservation

- Turn off lights and fans when they are not in use.
- Unplug electrical equipment when not in use.
- Use natural light and air as much as possible.
- Create the awareness on energy sources.


IQAC Co-ordinator
PES College of Science, Arts
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Ref. PES/Circulars/2020-21

08 August 2020

**CIRCULAR REGARDING
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Hence, all staff and students are hereby directed to practice the following:

1. Energy Conservation

- Turn off lights and fans when they are not in use.
- Unplug electrical equipment when not in use.
- Use natural light and air possible.


IQAC Coordinator
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Ref. PES/Circulars/2021-22

08 Jul 2021

**CIRCULAR REGARDING
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Hence, all staff and students are hereby directed to practice the following:

1. Energy Conservation

- Turn off lights and fans when they are not in use.
- Unplug electrical equipment when not in use.
- Use natural light and air as much as possible.
- Do not use artificial lighting and ventilation unnecessarily.

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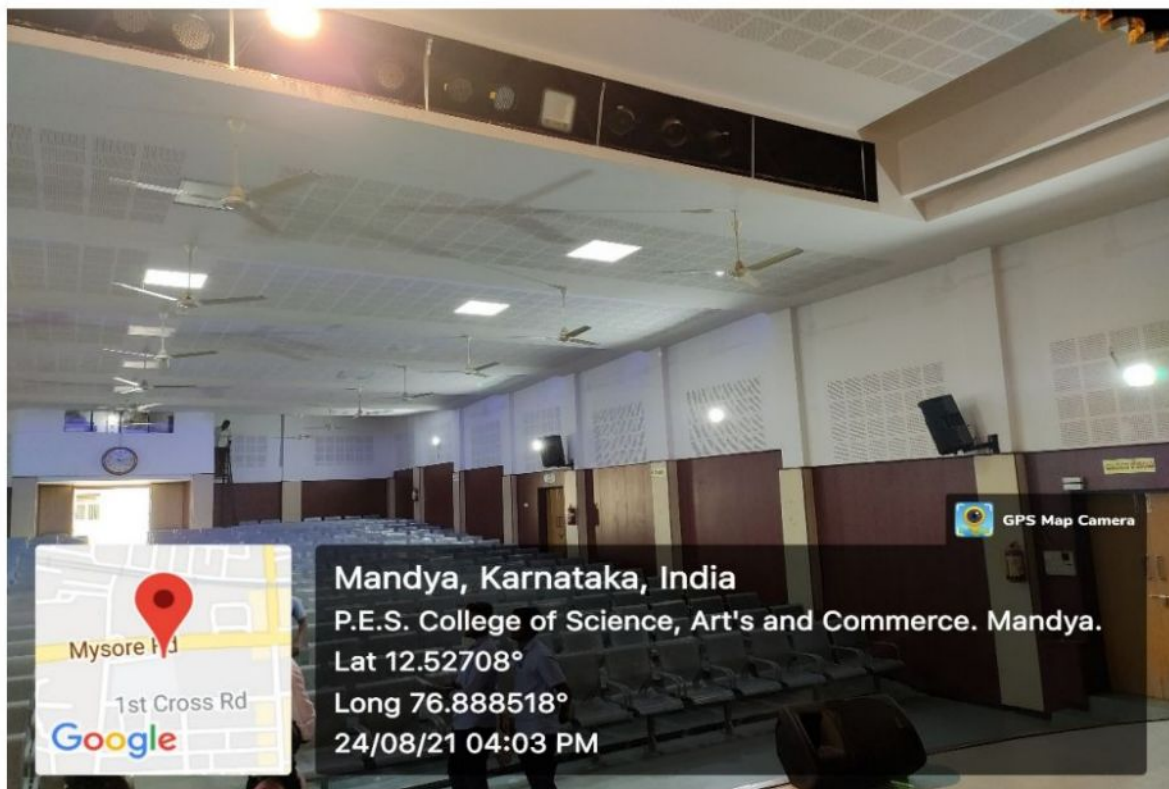
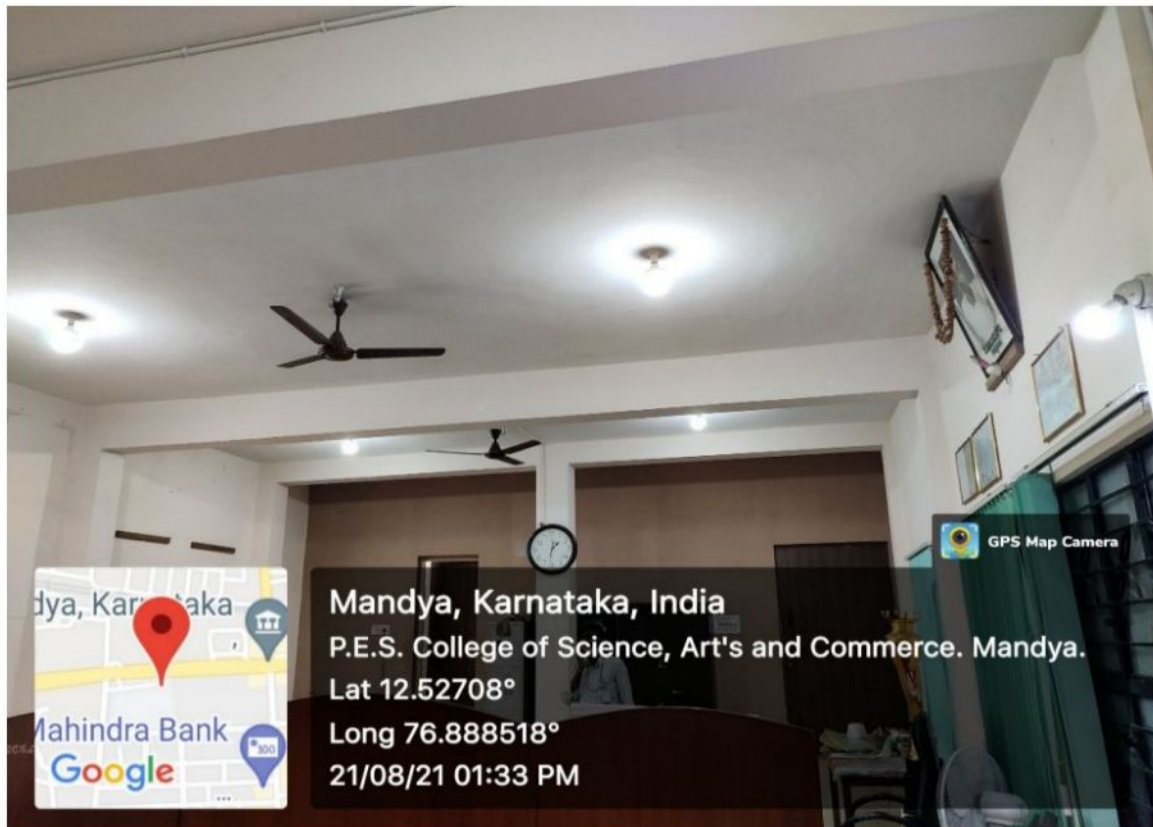
❖ Solar Energy- Solar Water Heater



❖ Sensor-based lift



❖ Use of LED bulbs/power saving Efficient Equipment





ಪಿ.ಇ.ಎಸ್. ಬಿಜ್ಜಾನ, ಕಲಾ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು
ಮಂಡ್ಯ

ಹಣ ಸಂದ ರಶೀತಿ

ಪ್ರಾಂಶುಪಾಲರು, ಪಿ.ಇ.ಎಸ್. ಬಿಜ್ಜಾನ, ಕಲಾ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು, ಮಂಡ್ಯ ಇವರಿಂದ ವಂದನಾಪೂರ್ವಕವಾಗಿ
ರೂ. 1075/- ನಿಂದೂ ಇಬರಿಸ್ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ದು. ಗ್ರಾ. ಮಂಡ್ಯ
ಇಬರಿಸ್ ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ 9ನೇ ಸಾಲುನಲ್ಲಿ 10 LED ಬಲ್ಲಾಬ್ಬು ಪರೀಕ್ಷಿಸಿ ರೂ.ಗಳನ್ನು
ಗಾಬಿ. [Philips - 9ನೇ X 115 → 575=10 / Ecolink 9ನೇ X 100 → 500=10]
ಉದ್ದೇಶಕ್ಕಾಗಿ ಪಡೆಯಲಾಗಿದೆ.

ದಿನಾಂಕ : 11-05-2021

Mandya
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