



தந்தை பெரியார் அரசு கலை மற்றும் அறிவியல் கல்லூரி (த)
THANTHAI PERIYAR GOVERNMENT ARTS AND SCIENCE COLLEGE(A)
(Nationally Re-Accredited with 'A' Grade by NAAC at 3rd Cycle)
(Affiliated to Bharathidasan University, Tiruchirappalli - 24)

No.36/2, RACE COURSE ROAD, KHAJAMALAI, TIRUCHIRAPPALLI - 620 023
TAMILNADU, INDIA.

Tel.No. : 0431 - 2420079 Website: www.thanthaiperiyargasc.ac.in E-mail : periyarevrcollege@yahoo.com

2017 – 2018

GREEN AUDIT REPORT

1. Energy Consumption

The college's annual energy consumption in 2018 is 1, 68,977 units, which is 14% higher than the previous calendar year. During 2017-2018, the average bimonthly energy consumption on campus was 28,163 units, with a range of 17490 to 34285 units. The campus's per capita annual energy consumption is 41 units.

2. Energy Conservation Efforts

The institution takes several steps to control and conserve energy by using energy- efficient equipment such as lights, fans, computers, printers, refrigerators, air conditioners, water purifiers, and other educational tools. Periodic maintenance and replacements are also carried out in order to reduce energy consumption. Machines, appliances, and instruments are immediately turned off after use.

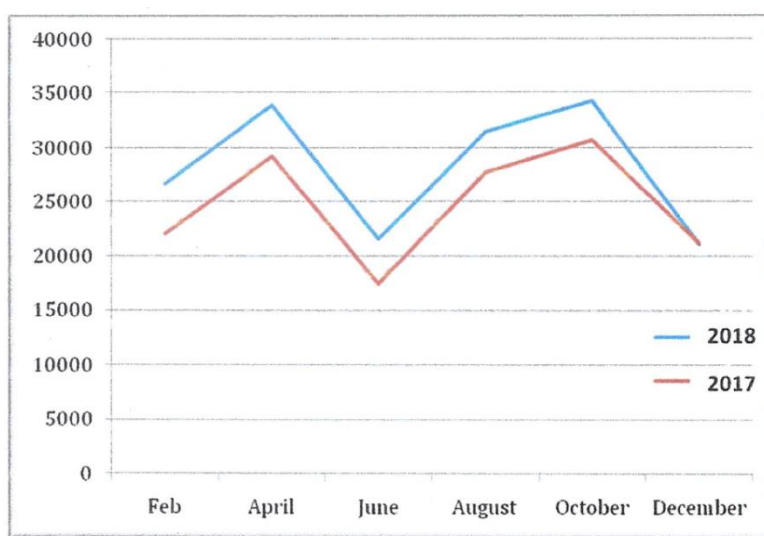


Fig.1. Consumption of electricity in the college campus

CERTIFICATE

This is certified that Green Audit for academic year 2017-18 is carried out by the Periyar EVR College, Tiruchirappalli - 620023.

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Since 1965

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2018 – 2019

GREEN AUDIT REPORT

1. Energy Consumption

In the year 2018-2019, the college's annual energy consumption amounted to 168,662 units, showing an increase of 315 units compared to the previous calendar year. On a bimonthly basis, the average energy consumption on campus during 2018-2019 was 37,793.5 units, ranging between 21,440 and 32,990 units.

2. Energy Conservation Efforts

To ensure energy conservation, the institution implements various measures such as the utilization of energy-efficient equipment including lights, fans, computers, printers, refrigerators, air conditioners, water purifiers, and educational tools. Regular maintenance and replacements are conducted periodically to minimize energy consumption. Additionally, machines, appliances, and instruments are promptly switched off after use, further contributing to energy conservation efforts.

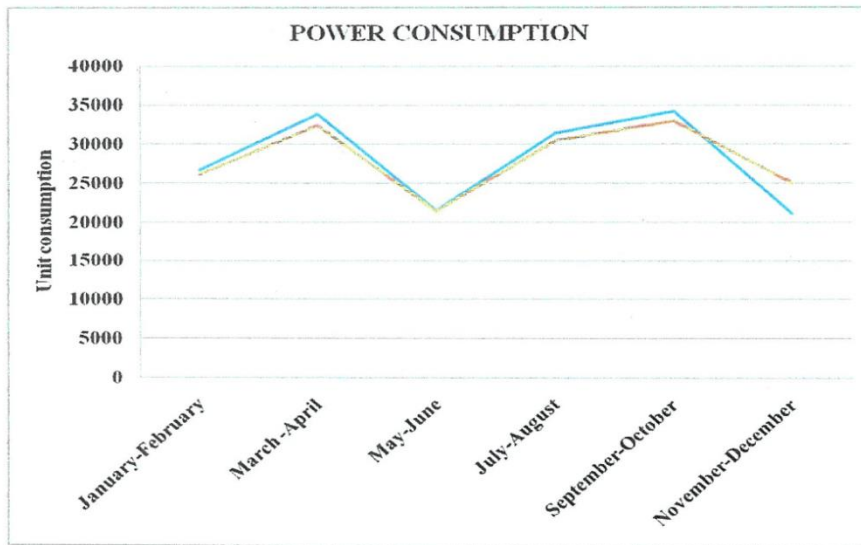


Figure 1. Consumption of electricity in the college campus

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2019 – 2020

GREEN AUDIT REPORT

1. Energy Consumption

During the 2019-2020 academic year, the college consumed a total of 1, 66,171 units of energy, indicating a slight rise of 2491 units compared to the preceding year. On a bimonthly basis, the average energy consumption on campus was 27695 units throughout 2019-2020. The energy usage fluctuated between 21,150 and 32,540 units within this period.

2. Energy Conservation Efforts

The institution implements various measures to effectively manage and conserve energy, including the utilization of energy-efficient equipment such as lights, fans, computers, printers, refrigerators, air conditioners, water purifiers, and other educational tools. Regular maintenance and timely replacements are undertaken to minimize energy consumption. Additionally, machines, appliances, and instruments are promptly switched off when not in use, further contributing to energy conservation efforts.

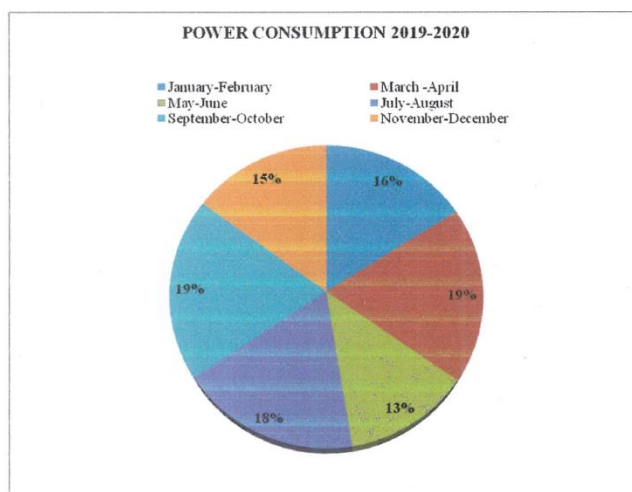


Fig. 1. Consumption of electricity in the college campus 2019-2020

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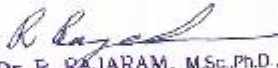

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2020 – 2022

GREEN AUDIT REPORT

1. Energy Consumption

Over the course of the academic years 2020-2022, the college consumed a total of 181,505 units of energy. On a bimonthly basis, the average energy consumption on campus during this period was 30,250 units. It is important to note that energy usage varied between 24,894 and 34,640 units within the same timeframe, reflecting fluctuations in energy consumption.

2. Energy Conservation Efforts

The institution has implemented a range of measures to efficiently manage and conserve energy. One such measure involves the utilization of energy-efficient equipment throughout the campus. This includes the use of energy-saving lights, fans, computers, printers, refrigerators, air conditioners, water purifiers, and other educational tools. Regular maintenance and timely replacement of equipment are prioritized to ensure optimal energy efficiency. Furthermore, the institution encourages the practice of switching off machines, appliances, and instruments when they are not in use. This simple yet effective measure helps conserve energy by preventing unnecessary power consumption. By promoting a culture of responsible energy usage, the institution aims to reduce its overall energy footprint and contribute to a more sustainable environment.

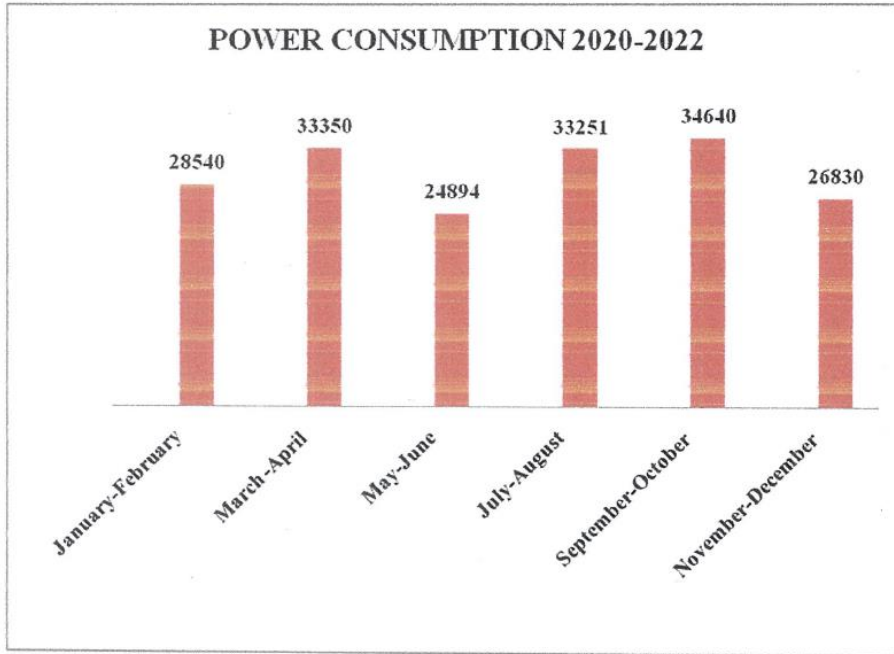


Figure 1. Consumption of electricity in the college campus 2019-2020

3. Energy Conservation Efforts

Solar panels were installed in the main building and chemistry block and by harnessing solar power, the buildings can rely less on traditional energy sources, such as fossil fuels, which helps reduce greenhouse gas emissions and environmental impact. Solar energy have significantly reduced the energy consumption of those buildings, it indicates the effectiveness of the solar energy system in providing clean and renewable energy.

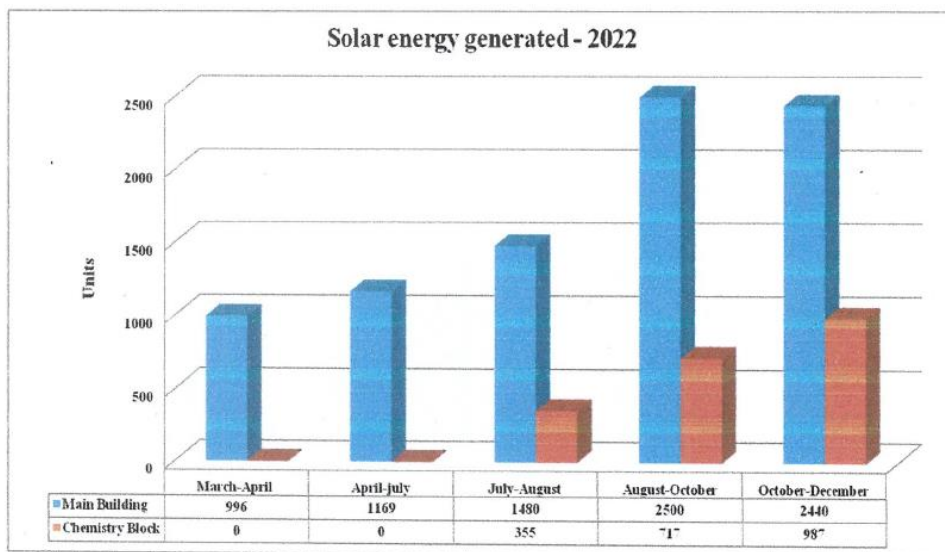


Figure 2: Solar energy generated in the year 2022


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