



Maratha Vidya Prasarak Samaj's
KARMAVEER SHANTARAMBAPU KONDAJI WAVARE
ARTS, SCIENCE AND COMMERCE COLLEGE, CIDCO

Uttamnagar, Nashik- 422 008 (Maharashtra)

Affiliated to Savitribai Phule Pune University Id. No. PU/NS/ASC/047/1993
AISHE C-42086 NAAC Re-accredited 'A' Grade (III Cycle 2017-22, CGPA 3.20)
Best College Award of Savitribai Phule Pune University Pune in 2009-10 and 2021-22

Principal

Prof. (Dr) S. K. Kushare
M.Sc., Ph. D.

Internal Quality Assurance Cell

Criterion – VII Institutional Values and Best Practices

Key Indicator - 7.1 Institutional Values and Social Responsibilities

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures

Energy Audit: An energy audit was conducted in the various departments to estimate the department wise energy consumption. Campaigning was also organized to identify the electrical instruments and devices with high energy intake in places like labs, class rooms, library, office etc. Detailed inventory of the electrical instruments was also generated through team activity. Currently Institute has been implementing a large amount of energy conservation measures which includes- replacement of old instruments by green instruments, use of LED lamps and switching over to solar energy. Roof top Solar panels are installed

- Laboratories with ventilation provision for energy conservation
- Counselling the staff as well as students about saving energy
- Promoting low wattage lights (LED bulbs) in the Department
- Regular maintenance of electrical appliances to save the energy consumption
- Faculty and students keep the lights and fans off whenever not needed.
- Instalment of Roof top Solar panels



Solar Rooftop Solar panel



LED Bulbs



Solar on Grid Inverter (15.3KW)

Conclusion: Monthly Electricity Bill Variation has been identified.

Roof Top PV Solar System (15KV) installed on terrace of Annex Building

- Before Installation Average Monthly Bill = **Rs. 33895/-**
- After Installation Average Monthly Bill = **Rs. 23414/-**
- Savings in Bill due to Installation (per month) = **Rs. 10481/-**
- Annual Savings in Bill (One Year) = **Rs. 1,25,772/-**

PV solar system (15KV) is installed which is expected to generate 60 Unit/day.

This saves Rs. **1,25,000/Year.**



LED Bulbs in the Principal Office



Solar Street Lamp



Kshud
Principal
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