



AMRUTVAHINI COLLEGE OF ENGINEERING (1983)



Credentials

- Three times accredited by NBA, New Delhi
- Accredited A grade by NAAC, Bangalore
- Awarded 'A' Grade by Government of Maharashtra
- Permanently affiliated to SPPU, Pune
- Best Engineering College award (professional) by SPPU, Pune
- Accredited by TCS for campus placements
- Nodal center for Unnat Maharashtra Abhiyan



21st National Energy Award for Excellence in Energy Management 2020

400 KW SRTPV Plant



Biogas Plant



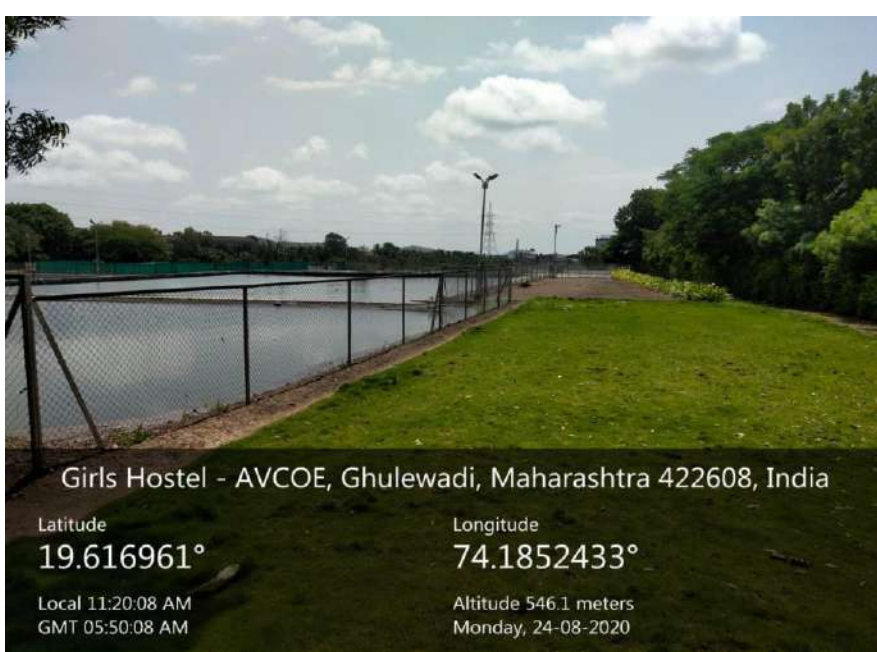


4,00,000 litres - Sewage Treatment Plant

5 KW Hybrid Solar Wind Plant

Solar water heaters – Capacity 41000 Litres





Water Reservoir and Filtration unit for gravitational water circulation in campus

GLIMPSES OF ENERGY CONSERVATION



Energy Consumption Overview

- *Overall energy consumption data of last three years FY 2017-2020*

Parameter	17-18	18-19	19-20
Annual Electricity Consumption in as per bill (KWh)	497344	420763	328855
Annual Electricity Generation through DG Set (KWh)	270	211	143
Total Annual Electricity Consumption (KWh)	497614	420974	328998

Reduction in energy consumption

2018-19 : 15.40%

2019-20 : 21.85%

Energy Generation & Consumption in last 3 years

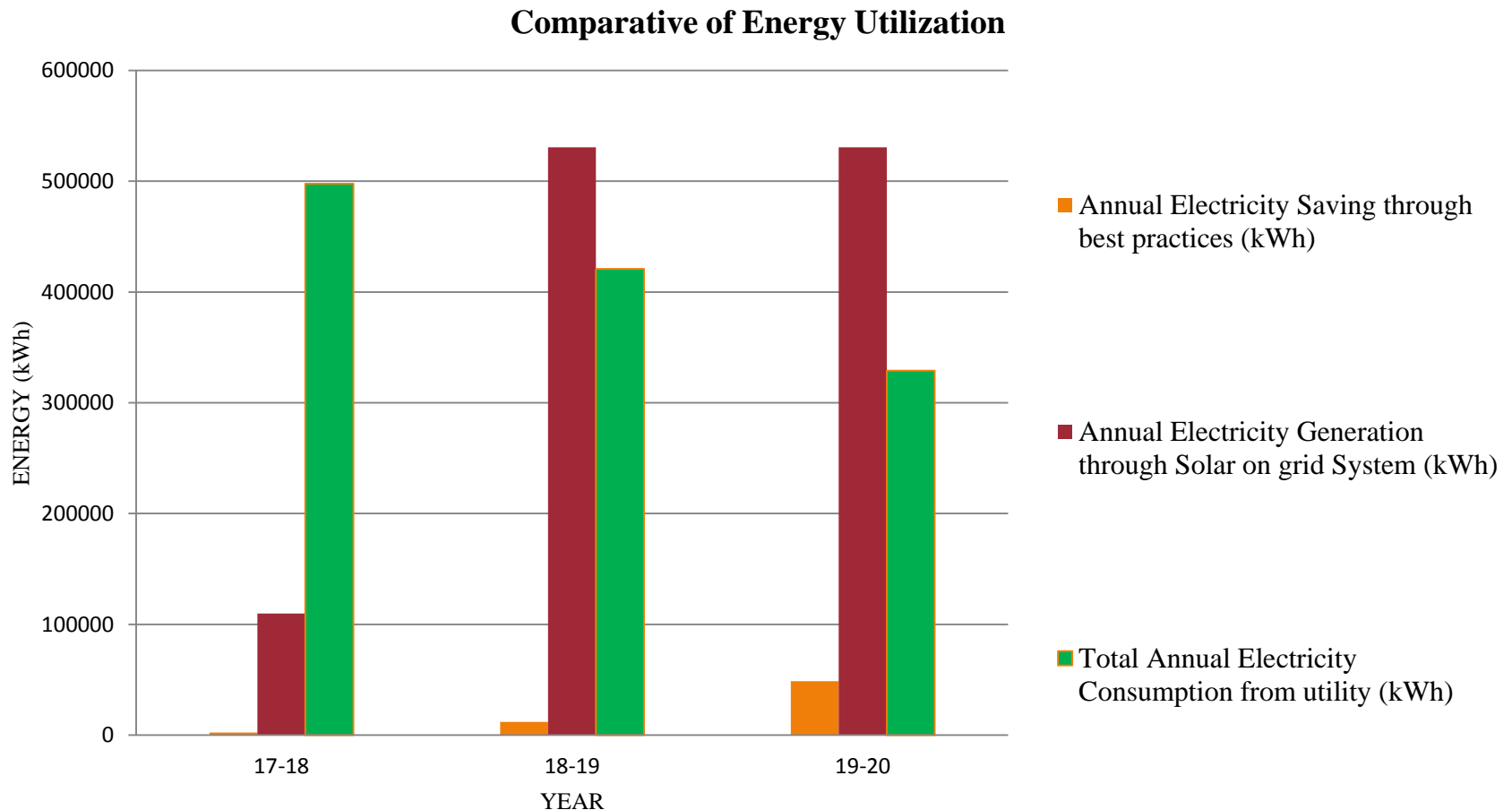
Year	Annual Electricity Generation through Solar on grid System (KWh)	Total Annual Electricity Consumption from utility (KWh)
2017-18	109781	497614
2018-19	530609	420974
2019-20	530609	328998

Surplus power exported to MSEDCL

- 1) 2018-19 : 109635 KWH**
- 2) 2019-20 : 201611 KWH**

Energy Saving projects implemented in for last three years

Annual Electricity Saving through best practices (kWh)	2017-18	2018-19	2019-20
	2500	12000	48870



Energy Saving projects implemented for last three years

Year	No of Proposals	Investments (In lakhs)	Savings (In lakhs)
2018-2019	2	137.25	82.05
2019-2020	1	27.94883	2.506

Sr. No.	Project Details	Investments (In lakhs)	Annual Saving (In lakhs)	Payback period
1	400 KWp Solar Rooftop Photovoltaic plant	133.25	74.6	1.78 yrs
2	Biogas Plant	4.0	7.45	0.44 yrs
3	Sewage Treatment Plant	27.94883	2.41704	11.56 yrs



Thank You

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