

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
New Arts Commerce and Science College, Parner
Skill Development Centre
Department of B.Voc. - Renewable Energy Technology and Management

Institutional Energy Audit 2017-18

An energy audit is an inspection, survey and analysis of energy flows, for energy conservation in a building, process or system to reduce the amount of energy input into the system without negatively affecting the output(s). In commercial and industrial real estate, an energy audit is the first step in identifying opportunities to reduce energy expense and carbon footprints.

A. Electricity Bill Analysis (June-2017 to May-2018)

Sr. No.	Area (Meter No)	Total Units (kWh)	Amount (Rs.)	% Energy Consumption	% Bill Consumption	Nonconventional Energy Total Units (kWh)	% Energy Consumption Nonconventional Energy mode
1.	150520095707	4441	72871	18.63	10.46	NIL	NIL
2.	150520106865	346	30328	1.14	4.35		
3.	150520906951	3478	61970.58	14.59	8.90		
4.	150520095693	7066	117737	29.65	16.90		
5.	150528020820	360	299798.52	1.51	43.05		
6.	150520930193	8137	113572.15	34.14	16.31		
	Total	23828	696277.25	100 %	100 %		

B. Observations

1. Total monthly energy consumption of the college campus is 1985 units.
2. Total monthly billing is Rs.58023.
3. Meter No 150520930193 is consumption more energy and its approx. 34.14 % of total Energy use.

19 OCT 2022



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In charge

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Nodal Officer
Nodal Officer

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IQAC COORDINATOR

New Arts, Commerce & Science College

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Principal
PRINCIPAL

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Parner, Dist. Ahmednagar

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Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
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Institutional Energy Audit 2018-19

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1. Electricity Bill Analysis (June-2018 to May-2019)

Sr. No.	Area (Meter No)	Total Units (kWh)	Amount (Rs.)	% Energy Consumption	% Bill Consumption	Nonconventional Energy Total Units (kWh)	% Energy Consumption on Nonconventional Energy mode
1.	950520095707	3516	41466	10.45	9.30	3037	09.02
2.	150520106865	329	369	0.98	0.08		
3.	150520906951	3626	41123	10.77	9.22		
4.	150520095693	8978	98843	26.67	22.17		
5.	150528020820	11473	230555	34.09	51.71		
6.	150520930193	2700	33521	8.02	7.52		
7.	Nonconventional Energy Total Units	3037		9.02			
	Total	33659	445877	100 %			

2. Observations

- ❖ Total monthly energy consumption of the college campus is **2805** units.
- ❖ Total monthly billing is **Rs. 37157**.
- ❖ Meter No **150528020820** is consumption more energy and its approx. **34.09 %** of total Energy use.

Generation of electricity by Nonconventional Energy source is about **3037** units and it is **09.02%** of total energy use.

1.9 AUG 2019

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17 August 2019

Ahmednagar Jilha Maratha Vidya Prasarak Samaj's
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Institutional Energy Audit 2019-20

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1. Electricity Bill Analysis (June-2019 to May-2020)

Sr. No.	Area (Meter No)	Total Units (kWh)	Amount (Rs.)	% Energy Consumption	% Bill Consumption	Nonconventional Energy Total Units (kWh)	% Energy Consumption on Nonconventional Energy mode
1.	950520095707	4014	46522.26	19.44	17.31	3931	19.04%
2.	150520106865	307	3558.13	1.49	1.32		
3.	150520906951	3199	37076.41	15.50	13.80		
4.	150520095693	7453	86380.27	36.10	32.14		
5.	150520936451	379	4392.61	1.84	1.63		
6.	150528020820	4332	79708	20.98	29.66		
7.	150520930193	960	11126.4	4.65	4.14		
Total		20644	268764.1	100 %	100 %		

2. Observations

- ❖ Total monthly energy consumption of the college campus is **1720** units.
- ❖ Total monthly billing is Rs. **22397**.
- ❖ Meter No **150520095693** is consumption more energy and its approx. **36.10 %** of total Energy use.
- ❖ Generation of electricity by Nonconventional Energy source is about **3931** units and it is **19.04%** of total energy use.

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12 6 OCT 2020

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Institutional Energy Audit 2020-21

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A. Electricity Bill Analysis (June-2020 to May-2021)

Sr. No.	Area (Meter No)	Total Units (kWh)	Amount (Rs.)	% Energy Consumption	% Bill Consumption	Nonconventional Energy Total Units (kWh)	% Energy Consumption Nonconventional Energy mode
1.	950520095707	6548	167403	29.23	28.11	1452	6.48
2.	150520106865	904	7371	4.03	1.23		
3.	150520906951	3359	73301	15.00	12.31		
4.	150520095693	9624	210204	43.00	35.30		
5.	150520936451	510	15584	2.27	2.61		
6.	150528020820	1153	112784	5.14	19		
7.	150520930193	299	8708	1.33	1.44		
	Total	22397	595355	100 %	100 %		

B. Observations

1. Total monthly energy consumption of the college campus is **1866** units.
2. Total monthly billing is Rs.**49612**.
3. Meter No **150520095693** is consumption more energy and its approx. **43.00 %** of total Energy use.
4. Generation of electricity by Nonconventional Energy source is about **1452** units and it is **6.48 %** of total energy use.

E4 DEC 2021


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Institutional Energy Audit 2021-22

An energy audit is an inspection, survey and analysis of energy flows, for energy conservation in a building, process or system to reduce the amount of energy input into the system without negatively affecting the output(s). In commercial and industrial real estate, an energy audit is the first step in identifying opportunities to reduce energy expense and carbon footprints.

A. Electricity Bill Analysis (June-2021 to May-2022)

Sr. No.	Area (Meter No)	Total Units (kWh)	Amount (Rs.)	% Energy Consumption	% Bill Consumption	Nonconventional Energy Total Units (kWh)	% Energy Consumption Nonconventional Energy mode
1.	150520095707	6492	78012	17.5	12.59	-	33.30
2.	150520106865	14	1695	0.03	0.27	-	
3.	150520906951	2899	44500	7.8	7.18	-	
4.	150520095693	9416	117737	25.22	19.00	-	
5.	150520936451	14018	248326	37.55	40.08	-	
6.	150528020820	1468	91656	3.9	14.79	13073	
7.	150520930193	3018	37724	8	6.09	5565	
	Total	37325	619650	100 %	100 %	18638	

B. Observations

1. Total monthly energy consumption of the college campus is 4663 units.
2. Total monthly billing is Rs.51637.
3. Meter No 150520936451 is consumption more energy and its approx. 40.08 % of total Energy use.
4. The meter number 150528020820 & 150520930193 generate Nonconventional Energy source is about 18638 units and it is 33.30 % of total energy use.

5 SEP 2022

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