

**CRITERION : 7**  
**Sub-Criterion : 7.1.2**

**7.1.2. Any Other document**

## ENERGY AUDIT SUMMARY, 2022-23

Energy Audit of the institute was done externally during the academic year 2022-23. The following is the summary of the findings from the Energy audit conducted:

S.No.	Name of the Equipment	Quantity	Watt Specification	Total Power Consumption (W)	Total Power Consumption (KW)	Hours of Usage per Day	Energy Consumption per Day (KWH)	Monthly Energy Consumption (KWH)	Annual Consumption (KWH)
1	Tubelight (36W)	296	36	10656	10.656	8	85.248	2557.44	30689.28
2	LED (24W)	98	24	2352	2.352	8	18.816	564.48	6773.76
3	LEDLight (12W)	318	12	3816	3.816	8	30.528	915.84	10990.08
4	Ceiling Fan	345	80	27600	27.6	4	110.4	3312	39744
5	Split AC	42	1100	46200	46.2	2	92.4	2772	33264
6	Ducting AC	0	0	0	0	0	0	0	0
7	Photocopy Machine	1	500	500	0.5	9	4.5	135	1620
8	Computer	418	200	83600	83.6	7	585.2	17556	210672
9	Printer	24	25	600	0.6	9	5.4	162	1944
10	WaterCooler	3	500	1500	1.5	10	15	450	5400
11	Projector	37	350	12950	12.95	7	90.65	2719.5	32634
12	Refrigerator	1	400	400	0.4	24	9.6	288	3456
13	Wall Fan	32	80	2560	2.56	4	10.24	307.2	3686.4
14	Microwave	1	700	700	0.7	0.5	0.35	10.5	126
15	Window AC	11	750	8250	8.25	4	33	990	11880
16	Printing Machine	0	0	0	0	0	0	0	0
17	RO Machine	1	500	500	0.5	1	0.5	15	180
18	Tower AC	0	0	0	0	0	0	0	0
19	Submersible Pump	2	5500	11000	11	1	11	330	3960
20	Halogen	9	400	3600	2.8	10	28	840	10080
21	Exhaust Fan	22	10	220	0.2	2	0.4	12	144
22	Generator	1	20000	20000	20	1	20	600	7200
							<b>Total</b>	<b>34536.96</b>	<b>414443.52</b>



For  
Empirical Energy Pvt. Ltd.  
Indore (M.P.)

<b>Total Energy Produced from Solar Grid - Academic Year 2022-2023</b>		
<b>Year</b>	<b>Month</b>	<b>Energy Produced (in KW)</b>
2022	July	548
2022	August	992
2022	September	1155
2022	October	1493
2022	November	3610
2022	December	3397
2023	January	2969
2023	February	3995
2023	March	2736
2023	April	2143
2023	May	926
	<b>Total Energy Produced from Solar Grid</b>	<b>23964</b>



*R. Dandekar*

For  
 Empirical Energy Pvt. Ltd.  
 Indore (M.P.)

## ENERGY AUDIT SUMMARY, 2021-22

### PRESTIGE INSTITUTE OF MANAGEMENT & RESEARCH, GWALIOR

Energy Audit of the institute was done externally during the academic year 2021-22. The following is the summary of the findings from the Energy audit conducted:

TOTAL ANNUAL ENERGY CONSUMPTION (2021-22)									
S.No.	Name of the Equipment	Quantity	Watt Specification	Total Power Consumption (W)	Total Power Consumption (KW)	Hours of Usage per Day	Energy Consumption per Day (KWH)	Monthly Energy Consumption (KWH)	Annual Consumption (KWH)
1	Tubelight (36W)	276	36	9936	9.936	8	79.488	2384.64	28615.68
2	LED (24W)	90	24	2160	2.16	8	17.28	518.4	6220.8
3	LEDLight (12W)	311	12	3732	3.732	8	29.856	895.68	10748
4	Ceiling Fan	335	80	26800	26.8	4	107.2	3216	38592
5	Split AC	44	1100	48400	48.4	2	96.8	2904	34848
7	Photocopy Machine	1	500	500	0.5	9	4.5	135	1620
8	Computer	418	200	83600	83.6	7	585.2	17556	210672
9	Printer	20	25	500	0.5	9	4.5	135	1620
10	WaterCooler	4	500	2000	2	10	20	600	7200
11	Projector	37	350	12950	12.95	7	90.65	2719.5	32634
12	Refrigerator	1	400	400	0.4	24	9.6	288	3456
13	Wall Fan	30	80	2400	2.4	4	9.6	288	3456
14	Microwave	1	700	700	0.7	0.5	0.35	10.5	126
15	Window AC	10	750	7500	7.5	4	30	900	10800
17	RO Machine	1	500	500	0.5	1	0.5	15	180
19	Submersible Pump	2	5500	11000	11	1	11	330	3960
20	Halogen	7	400	2800	2.8	10	28	840	10080
21	Exhaust Fan	20	10	200	0.2	2	0.4	12	144
22	Generator	1	20000	20000	20	1	20	600	7200
							<b>Total</b>	<b>34347.72</b>	<b>412172.48</b>



For  
Empirical Energy Pvt. Ltd.  
Indore (M.P.)

<b>Total Energy Produced from Solar Grid - Academic Year 2021-22</b>		
<b>Year</b>	<b>Month</b>	<b>Energy Produced (in KW)</b>
2021	July	498
2021	August	1020
2021	September	290
2021	October	776
2021	November	3407
2021	December	2610
2022	January	2581
2022	February	6916
2022	March	5674
2022	April	2143
2022	May	1262
2022	June	600
	<b>Total</b>	<b>27777</b>



*R. Jambhwal*

For  
 Empirical Energy Pvt. Ltd.  
 Indore (M.P.)