



PRESTIGE INSTITUTE OF MANAGEMENT & RESEARCH, GWALIOR

AN AUTONOMOUS INSTITUTE ACCREDITED WITH UGC NAAC GRADE 'A'

7.1.2: Energy Audit Report (2022-2023)

ENERGY AUDIT SUMMARY, 2022-23

Energy Audit of the institute was done internally 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
							Total	34536.96	414443.52

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

Total Energy Produced from Solar Grid - Academic Year 2022-2023		
Year	Month	Energy Produced (in KW)
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
	Total Energy Produced from Solar Grid	23964



A. Jambhwal

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