

AUDITING FOR ENERGY MANAGEMENT

1. List the ways that you use energy in your college. (Electricity, electric stove, kettle, microwave, LPG, firewood, Petrol, diesel and others). - **Electricity.**
2. Electricity bill amount for the last year- **Enclosed.**- 1
3. Amount paid for LPG cylinders for last one year - **Nil.**
4. Weight of firewood used per month and amount of money spent? Also mention the amount spent for petrol/diesel/ others for generators? - **Nil.**
5. Are there any energy saving methods employed in your college? If yes, please specify. If no, suggest some. -

We have replaced normal tube lights with LED tube lights and normal Fans with Energy efficient fans. - Enclosed.-2

6. How much money does your college spend on Energy such as electricity, gas, firewood, etc. in a month? - **Refer Question no 2 enclosures.**
7. How many CFL bulbs has your college installed? Mention use (Hours used/day for how many days in a month) **Nil.**
8. Energy used by each bulb per month? (For example- 60 watt bulb x 4hours x number of bulbs = Kwh). **Nil.**
9. How many LED bulbs are used in your college? Mention the use (Hours used /day for how many days in a month)- **40 LED Tubes , 6 Hours /per day& 25 days**
10. Energy used by each bulb per month? (kWh). -**0.3 kWh**
11. How many incandescent (tungsten) bulbs have your college installed? Mentions use (Hours used/day for how many days in a month) -**Nil.**
12. Energy used by each bulb per month? (kWh). -**Nil.**

13. How many fans are installed in your college? Mention use (Hours used/day for how many days in a month) **-42 Fans (25 energy efficient fans,17 normal fans), 4 hours / day, 25 Days**

14. Energy used by each fan per month? – **6 kWh**

15. How many air conditioners are installed in your college? Mention use (Hours used/day, for how many days in a month) **-1 (under repair)**

16. Energy used by each air conditioner per month? (kWh). - **Nil**

17. How many electrical equipment including weighing balance are installed your college? Mention the use (Hours used/day for how many days in a month)- **Nil.**

18. Energy used by each electrical equipment per month? (kWh). -**Nil.**

19. How many computers are there in your college? Mention the use (Hours used/day for how many days in a month) -

Total:42 computers, (36 New and 6 Old)6 computers regularly used per day and approximately 23 days per month.

20. Energy used by each computer per month? -**3220 kWh**

21. How many photocopiers are installed by your college? Mention the use (Hours used/day for how many days in a month) - **2 photo copiers, 2 hour per day, approximately 23 days per month.**

22. How many cooling apparatuses are in installed in your college? Mention the use (Hours used/day for how many days in a month) -**Nil.**

23. Energy used by each cooling apparatus per month? (kWh) Mention the use (Hours used/day for how many days in a month) -**Nil.**

Energy used by each photocopier per month? (Kwh) Mention the use (Hours used/day for how many days in a month) how many inverters your college installed? Mention the use (Hours used/day for how many days in a month) - **179.4 kWh, 2 hour per day, approximately 23 days per month.**

Inverters-Nil

24. Energy used by each inverter per month? (kWh). -**Nil.**

25. How many electrical equipment are used in different labs of your college? Mention the use (Hours used/day for how many days in a month) -**Nil.**
26. Energy used by each equipment per month? (kWh) -**Nil.**
27. How many heaters are used in the canteen of your college? Mention the use (Hours used/day for how many days in a month) -**Nil.**
28. Energy used by each heater per month? (kWh) -**Nil.**
29. No. of street lights in your college? – **3 street lights**
30. Energy used by each street light per month? – **0.01728 kWh**
31. No. of TV in your college and hostels? -**Nil.**
32. Energy used by each TV per month? (kWh) -**Nil.**
33. Any other item that uses energy (Please write the energy used per month) Mention the use (Hours used/day for how many days in a month) -**Nil.**
34. Are any alternative energy sources/nonconventional energy sources employed / installed in your college? (Photovoltaic cells for solar energy, windmill, energy efficient stoves, etc.) Specify. -**Nil.**
35. Do you run “switch off” drills at college? -**Nil.**
36. Are your computers and other equipment put on power-saving mode? - **Yes**
37. Does your machinery (TV, AC, Computer, weighing balance, printers, etc.) run on standby mode most of the time? If yes, how many hours? – **Approximate 3 hours**
38. What are the Energy Conservation methods adapted by your college? – **Installation of LED tube lights and energy efficient fans in our college.**
39. How many boards displayed for saving Energy awareness? - **10**
40. How much ash is collected after burning fire wood per day in the canteen? - **N.A.**
41. Write a note on the methods/practices/adaptations by which you can reduce the energy use in your college campus in future.

- a. We maintain Power saving mode.
- b. Class representative monitors to switch off fans and lights.
- c. We maintain display boards to save electricity.

ENERGY AUDIT

Room No. / name	Electrical Device/Items	Number	Power	usage time (hour/day)
Principal room	F 3 & L 4 DESK TOP 2 AND PRINTER 1	10	6459.2 kwh	6hrs/25days
Office 1	F 6 & L 3 DESK TOP 4 AND XERROX 1	14	12916.9kwh	6hrs/25days
Office 2	F 4 & L 3 DESK TOP 3 AND PRINTER/ XEROX 1 AND ONLY PRINTER 1	12	9684.9kwh	6hrs/25days
Ladies Staff room	F 4 & L 4 DESK TOP 2	10	6465.2kwh	6hrs/25days
NSB1	F 3 & L 3	6	18.9kwh	6hrs/25days
Comp lab	F 2 & L 2 DESK TOP 11	15	64526.2kwh	6hrs/25days
NSB 2	F 4 & L 4	8	25.2kwh	6hrs/25days
NSB 3	F 4 & L 4	8	25.2 kwh	6hrs/25days
NSB 4	F 3 & L 2	5	18.6kwh	6hrs/25days
Seminar hall	F 6 & L 6	12	37.8kwh	6hrs/25days
SSB 1	F 2 & L 2	4	12.6kwh	6hrs/25days
SSB 2	F 2 & L 2	4	12.6kwh	6hrs/25days
Office 3	F 3 & L 2 DESK TOP 1 AND PRINTER 1	7	3238.6kwh	6hrs/25days
HSB 1	F 4 & L 4	8	25.2kwh	6hrs/25days
HSB 2	F 4 & L 4	8	25.2kwh	6hrs/25days
JCB 5	F 1 & L 1	2	1.8kwh	6hrs/25days
JCB 6	F 1 & L 1	2	1.8kwh	6hrs/25days
Virtual class Room & comp lab	F 4 & L 4 virtual display board and desk top 17	25	54765.2kwh	6hrs/25days
Library & gents staff room	F 2& L 2	4	12.6kwh	6hrs/25days