BALAGARH BIJOY KRISHNA MAHAVIDYALAYA
Hasimpur,Balagarh,
Hooghly-712501
West Bengal
Mobile: +918670272229
Email : bbkm.hooghly@gmail.com
Website : https://www.bbkm.ac.in

BALAGARH B. K. MAHAVIDYALAYA BALAGARH ESTD-1965

1. ENERGY AUDIT

The focused area of energy efficiency

• Activate power management features on computer and monitor so that it will go into a low power "sleep" mode when you are not working on it. • Turn off monitor when anybody leaves his/her Table. • Turn off unnecessary lights and use daylight instead. • Use LED or compact fluorescent bulbs as much as possible • Switch off lights and fans in the staff rooms, classrooms, lecture halls and laboratories when not in use. • Implement solar system to cut down the heavy usage of electricity. • Avoid the use of decorative lighting.

3.1 Reduction of energy consumptions, especially fossil fuel energy

3.1.1 Total electric consumption amount **35.06** KWH/Yr
3.1.2 Average electrical consumption in a month – **2.96 KWH**
3.1.3 Total No. of
i)LED- **125**
ii) CFL- **5**
iii) Tube lights- **330**
iv) Incandescent lamps- **0**
v) Fans- **200**
vi) Air conditioners/Air Coolers- **3**
3.1.4 Whether college has any provision/choice of renewable and carbon-neutral electricity options: **No**
3.1.5 Whether college has planned to install solar panels: **Yes (Sanctioned by Govt.)**
3.1.6 Whether college has efficient water heating system: **No**
3.1.7 Whether the staff members of all sectors are concerned in turning off electrical appliances when not in use in both commercial and residential area: **Yes**
3.1.7 Is there any monitoring system – like put off the main switch where there is no need of electricity? **Yes**
3.1.8 Whether the users follow the appropriate and measurable targets for a reduction of energy, such as, computer, printers, electrical equipment when not in use: **Yes**
3.1.9 Is there any options for equipment's running on standby mode: **Yes**
3.1.10 Whether college has taken initiative to purchase efficient and environmentally sound appliances in order to fulfill the green budget: **Yes**
3.1.11 Whether college has its own mechanism in repairing of electrical fault: **Yes**
3.1.12 Whether the class rooms are with sufficient illumination in day time and ventilation: **Yes**
Number of lights & fans in class room (average): **Tube-Light-07, Fan-5**
Use of light & fans in the day time (average hours): **3 Hours per Day**
Number of windows per class: **6 pcs**
Natural light source in day time (in hours) (average per class): **9 hours**
3.1.13 How many (%) e-notice generated by the college for academic/administrative purposes in a month- **70%**
3.1.14 How many (%) paper-notice generated by the college for academic/administrative purposes in a month- **30%**
3.1.15 Total number of computer, printer, Laptop, Xerox machine

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3.1.15 Total number of computer, printer, Laptop, Xerox machine

Item	Computer	Printer	Laptop	Xerox Machine
Number	35	15	3	2

3.1.16 Whether college has organized lectures on energy conservation in order to give awareness to the students:

No

3.2 Energy conservation strategies

3.2.1 Whether the architectural design for college is based upon use of natural lighting & ventilation, to save extra power for bulbs and fans: **Yes**

3.2.2 Whether fluorescent bulbs are replaced with CFL bulbs/LEDs: **Yes**

3.3Minimize the use of unsustainable transport

3.3.1 What are the available/maximum transport facilities used by the staff members/students etc., - mention the number (in average per day): **20**

3.3.2 Whether college has any common car sharing/car pool among the students and faculty: **Yes**

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