

7.1.2

1. ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION MEASURES

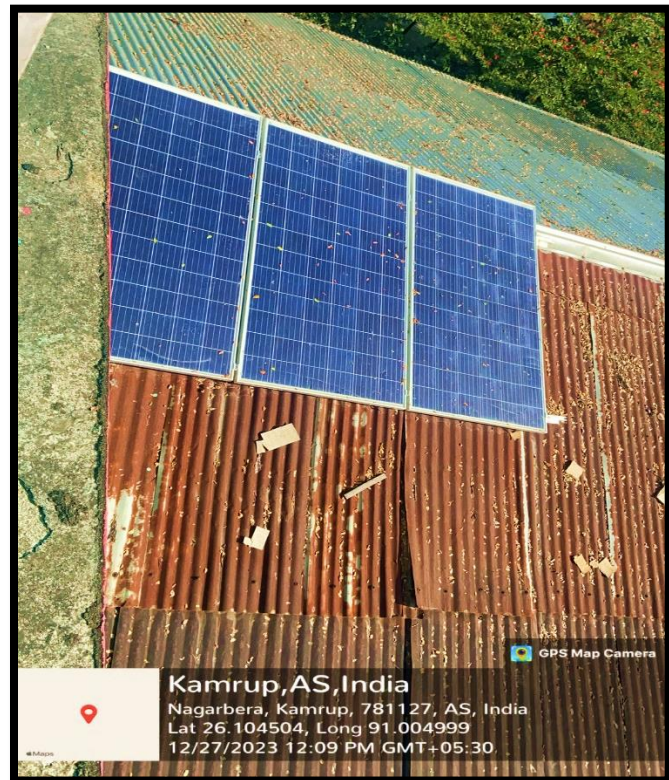
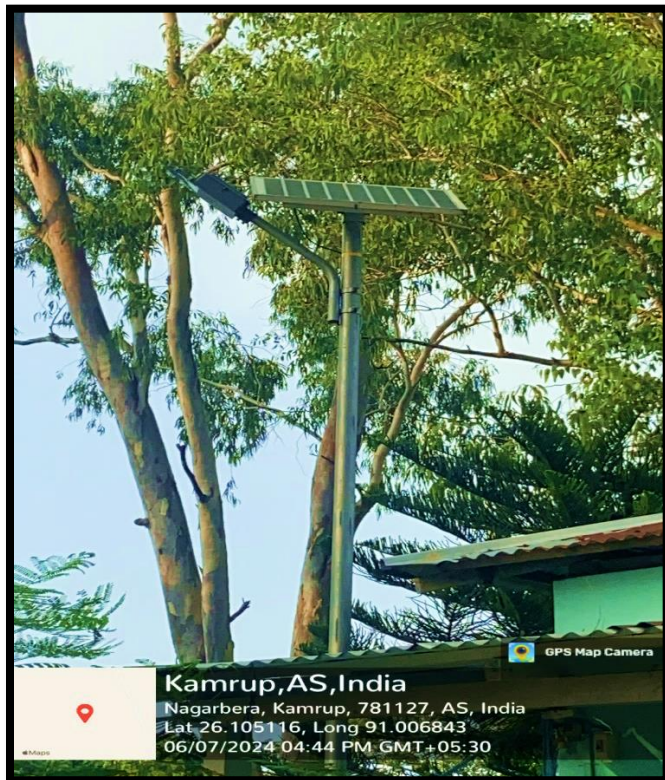
The Institution is committed to promoting sustainability and environmental responsibility through the implementation of energy conservation measures and the adoption of alternate energy sources. As part of these initiatives, the Institution has installed solar panels of 1 Luminous Solar Pcu of 1 kva 12V, 3 pc Luminous Solar Panels 335W solar panels around the campus to harness solar energy, reducing its reliance on conventional power sources and contributing to a cleaner environment.

In addition to using solar energy, the Institution has taken steps to conserve energy by replacing traditional lighting with energy-efficient LED bulbs throughout the campus. LED lighting significantly reduces energy consumption and has a longer lifespan, further reducing the environmental footprint. The institution also has a rigorous guideline that says that fans and lights must be switched off while not in use. This procedure lowers needless energy use and promotes additional energy savings. Additionally, B.P Chaliha College promotes an environmental consciousness among the campus community by teaching staff and students the value of sustainable practices and energy conservation.

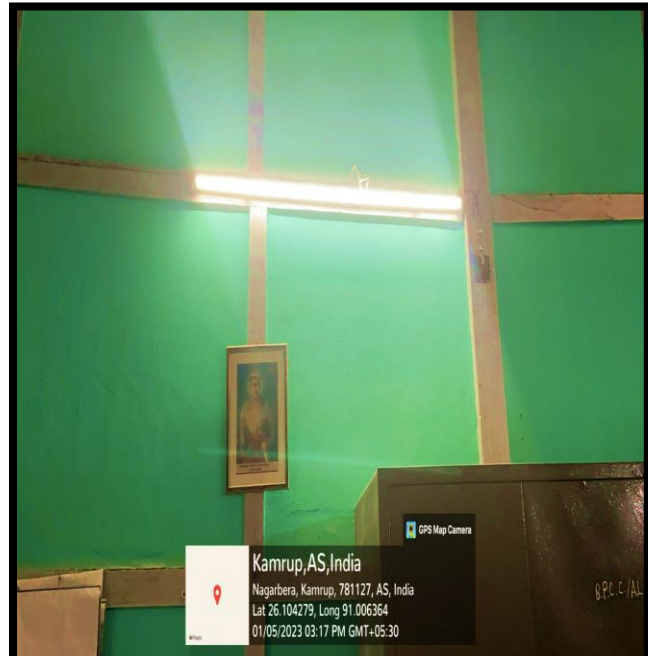
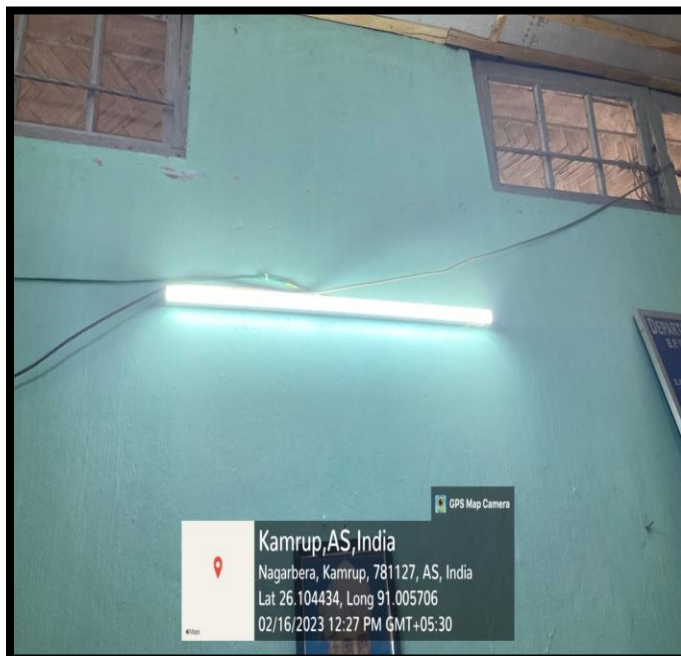
These measures not only lower the Institution's energy costs but also reflect its dedication to creating a sustainable and eco-friendly educational environment.

Link for Electricity bills: <https://bpchalihacollege.org.in/upload/dvv/1727970286.pdf>

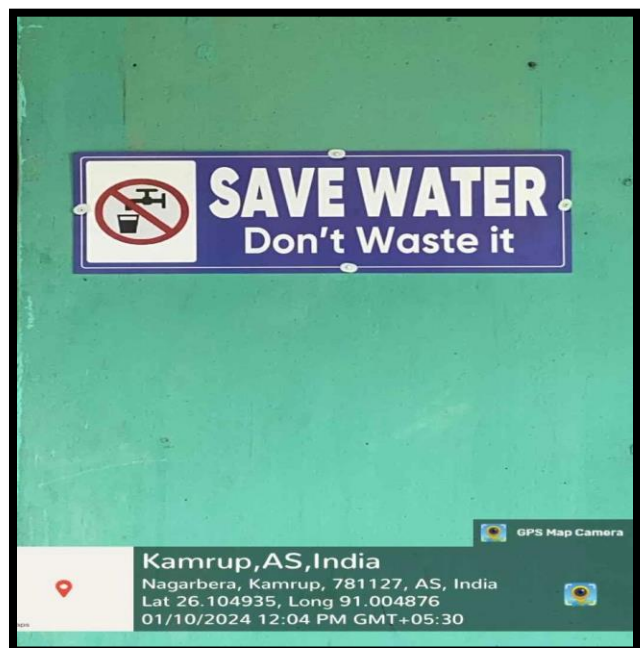
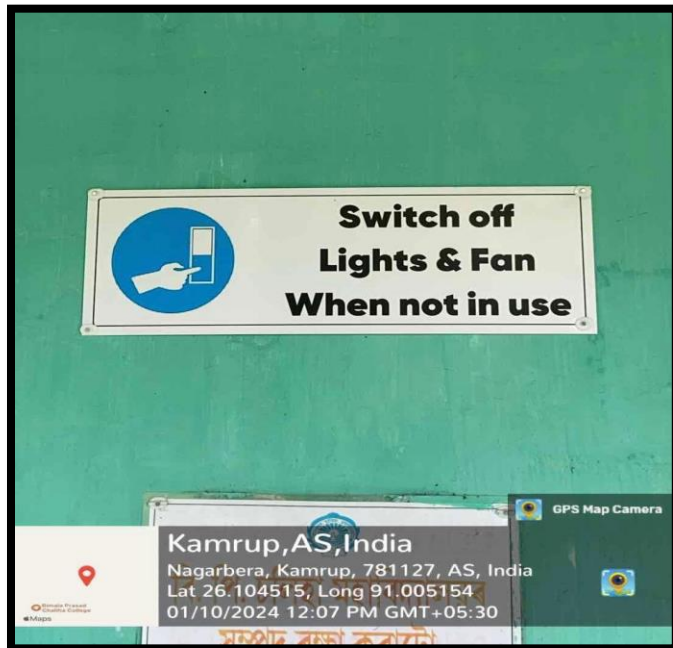
a. Solar panels



b. LED bulbs



c. Slogans for the conservation of energy and water



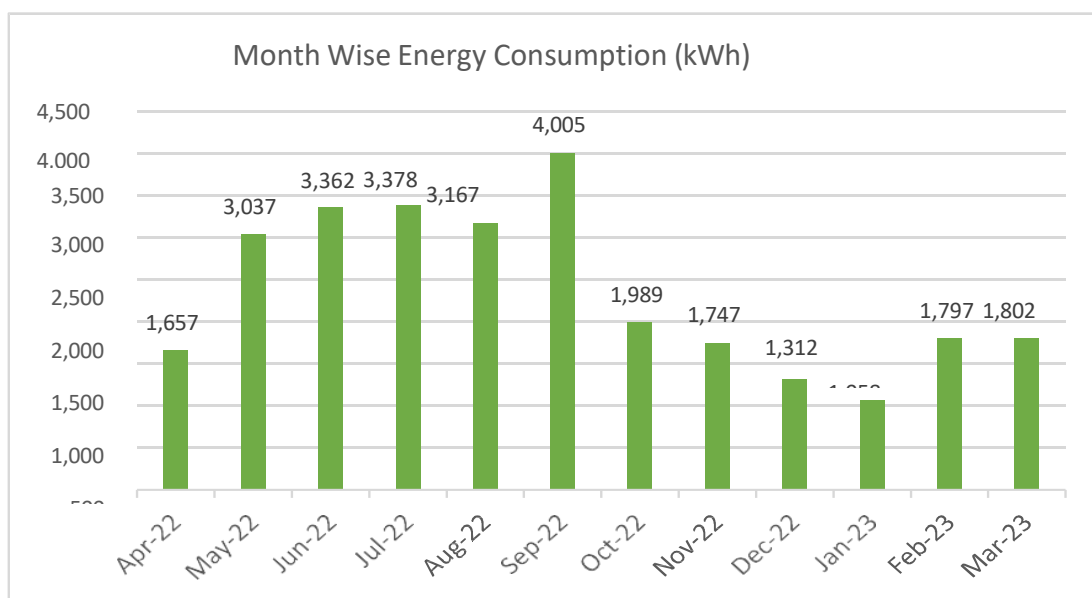
Electricity consumption from April 2022 to March 2023

Consumer Name- Bimala Prasad Chaliha College, Nagarbera


Consumer Number- 025000000946

Link for Electricity bills: <https://bpchalihacollege.org.in/upload/dvv/1727970286.pdf>

Sr. No.	Month	Energy (kWh)	Bill Amount (Rs)	Max. Demand (kVA)
1	Apr-22	1,657	16,819	12.56
2	May-22	3,037	26,620	22.6
3	Jun-22	3,362	29,116	24.23
4	Jul-22	3,378	29,447	25.56
5	Aug-22	3,167	28,641	26
6	Sep-22	4,005	35,090	23.68
7	Oct-22	1,989	16,712	20.2
8	Nov-22	1,747	18,228	12.52
9	Dec-22	1,312	15,206	6.12
10	Jan-23	1,058	13,496	7.88
11	Feb-23	1,797	18,573	16.4
12	Mar-23	1,802	19,189	11.68
	Total	28,312	2,67,136	209



Report taken from Energy audit, 2022-23


(Dr Kamal Ch Pathak)
Principal, B. P. Chaliha College
Principal
B.P. Chaliha College,
Nasirbora