

SUMMARY OF ENERGY AUDIT REPORT (2021-22)



Maharaja Manindra Chandra College
20, Ramanto Bose Street, Shyambazar,
Kolkata – 700003, West Bengal

Principal
Maharaja Manindra Ch. College
Kolkata-700 003



An energy audit is an inspection survey and an analysis of energy flows for energy conservation in a building. It may include a process or system to reduce the amount of energy input into the system without negatively affecting the output. The primary concern of the energy audit is to provide the best ways to reduce energy consumptions in any building while simultaneously maintaining or improving human comfort, health and safety. The energy use of a building can be expressed through the analysis of the electricity consumption (in units) of that building.

In case of the three buildings of Maharaja Manindra Chandra College, the following trend of consumptions has been observed:

Electricity Consumptions (in unit) from June 2021 to May 2022:

	68, Bhupen Bose Avenue, 700004	20, Ramanto Bose Street, 700003	23, Ramanto Bose Street, 700003
Month	Energy Consumption	Energy Consumption	Energy Consumption
June, 21	343	1217	363
July, 21	403	2064	302
August, 21	418	4379	306
September, 21	388	3318	609
October, 21	484	2772	537
November, 21	275	4089	561
December, 21	246	4794	446
January, 22	207	1379	367
February, 22	323	3617	430
March, 22	307	8476	733
April, 22	393	13721	1026
May, 22	378	10481	900
Total	4165	60307	6580

Total Electricity Consumptions (in unit) in 2020-2021:

	In Unit
68, Bhupen Bose Avenue, 700004	4165
20, Ramanto Bose Street, 700003	60307
23, Ramanto Bose Street, 700003	6580
Grand Total	71052

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Comments:

The total electricity consumption in the session June 2021 to May 2022 has been raised a little as in this period the regular activities of the college are restarted after COVID pandemic. In order to reduce electricity consumption, while renovating Seminar Hall (Room No.8) and main office room, energy saving LED lights have been installed which also makes both the places well illuminated. The LED lights are also being installed replacing the old non-functional tube lights wherever required. Such measures must have been reflected in the energy consumptions and it is decided that in future replacement energy saving bulbs and tube lights will be installed as far as practicable.

Suggestions and Recommendations:

It may be noted here that in pre-pandemic time, the electricity consumption of college buildings were quite high. In this context, it can be recommended to use renewable energy as alternative source of energy in the college. Incorporation of sensor based energy saving devices can also be adopted to reduce energy consumption while maintaining the usual activities of the college.


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