

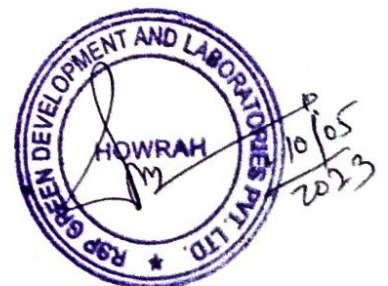
SUMMARY OF
ENERGY AUDIT REPORT
(2022-23)



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

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Teacher-in-Charge
Maharaja Manindra Chandra College
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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 2022 to May 2023:

	68, Bhupen Bose Avenue, 700004	20, Ramanto Bose Street, 700003	23, Ramanto Bose Street, 700003
Month	Energy Consumption	Energy Consumption	Energy Consumption
June, 22	128	10846	493
July, 22	147	11861	573
August, 22	137	11710	624
September, 22	115	14867	522
October, 22	216	12247	690
November, 22	0	812	424
December, 22	124	10390	554
January, 23	190	1041	928
February, 23	343	5689	363
March, 23	248	9894	748
April, 23	226	11050	798
May, 23	249	13024	652
Total	2123	113431	7369

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

	In Unit
68, Bhupen Bose Avenue, 700004	2123
20, Ramanto Bose Street, 700003	113431
23, Ramanto Bose Street, 700003	7369
Grand Total	122923

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10/05
2023

Comments:

The total electricity consumption in the session June 2022 to May 2023 has been raised as in this period the usual activities of the college are restored completely after the irregularity occurs due to COVID pandemic. Although some energy saving LED lights were installed in the Seminar Hall (Room No.8), main office room and other places, frequent use of air conditioners in the Seminar Hall (Room No.8) and main office room must have been elevated the total energy consumptions. In order to reduce the energy consumptions it is decided that in future replacement sensor based energy saving bulbs, tube lights *etc.* will be installed as far as practicable.

Suggestions and Recommendations:

It may be noted here that the electricity consumption of college buildings become quite high as it was in pre-pandemic time. In this context, it can be recommended to use renewable energy as alternative source (solar power) 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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