



**RSP Green Development & Laboratories Pvt. Ltd.**  
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**QCI-NABET ACCREDITED ENVIRONMENTAL CONSULTANT**

CIN NO: U74999WB2017PTC219565

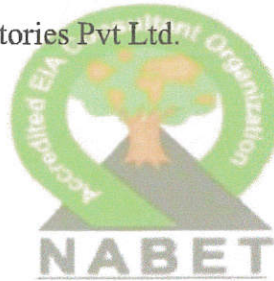
## **ENERGY AUDIT - MAHARAJA MANINDRA CHANDRA COLLEGE CERTIFICATE**

This is to certify that the Energy Audit report of Maharaja Manindra Chandra College is based on the original data collected during the period of study. Further it is certified that the baseline data was prepared by the internal Audit team of Maharaja Manindra Chandra College, Kolkata and submitted to us. The content of the data of the report has been personally verified by the Green Audit Team for verified and reliability.

RSP Green Development and Laboratories Pvt Ltd.



Pinaki Roy  
Managing Director



**SUMMARY OF  
ENERGY AUDIT REPORT  
(2023-24)**



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

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.

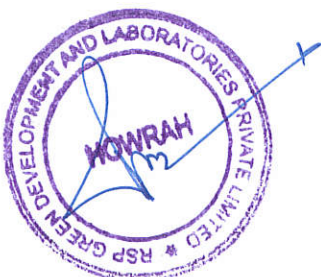
In case of the three buildings of Maharaja Manindra Chandra College, the following trend of consumptions has been observed:

**Electricity Consumptions (in unit) from June 2023 to May 2024:**

	<b>68, Bhupen Bose Avenue, 700004</b>	<b>20, Ramanto Bose Street, 700003</b>	<b>23, Ramanto Bose Street, 700003</b>
<b>Customer Id</b>	<b>40000255611</b>	<b>40000185660</b>	<b>40000185671</b>
<b>Month</b>	<b>Energy Consumption</b>	<b>Energy Consumption</b>	<b>Energy Consumption</b>
June, 23	165	10054	464
July, 23	168	13960	659
August, 23	174	15051	464
September, 23	175	13215	652
October, 23	193	10707	769
November, 23	0	3819	375
December, 23	90	4985	432
January, 24	0	4412	378
February, 24	0	5358	294
March, 24	0	7148	448
April, 24	0	7762	454
May, 24	15	14588	397
<b>Total</b>	<b>980</b>	<b>111059</b>	<b>5786</b>

**Total Electricity Consumptions (in unit) in 2023-2024:**

	<b>In Unit</b>	<b>Unit usage in 2022-23</b>
68, Bhupen Bose Avenue, 700004	980	2123
20, Ramanto Bose Street, 700003	11059	113431
23, Ramanto Bose Street, 700003	5786	7369
<b>Grand Total</b>	<b>117825</b>	<b>122923</b>



## Comments:

The total electricity consumption in the session June 2023 to May 2024 has been lowered than that of previous academic session. With proper allotment of classes and shifting to LED fittings 5098 units is saved in this session. Use of energy saving LED lights in the Seminar Hall (Room No.8), main office room and controlled use of air conditioners in the Seminar Hall (Room No.8), Laboratories(6), teachers' room and main office room is practiced. In order to reduce the energy consumptions, it is decided that in future, sensor-based energy saving bulbs, tube lights *etc.* will be installed as far as practicable.

## Suggestions and Recommendations:

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.

