

GREEN AUDIT REPORT

of

SHREE L. R. TIWARI COLLEGE OF LAW,

Shree L. R. Tiwari Educational Campus, Mira Road (East) Thane 401 107



Year: 2022-23

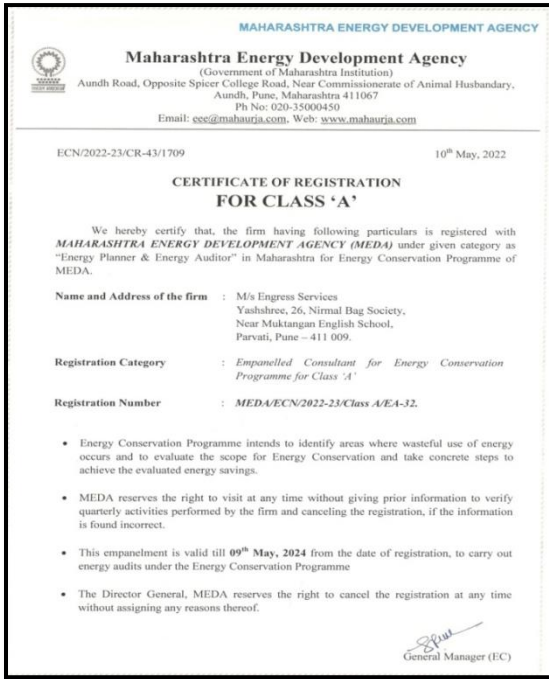
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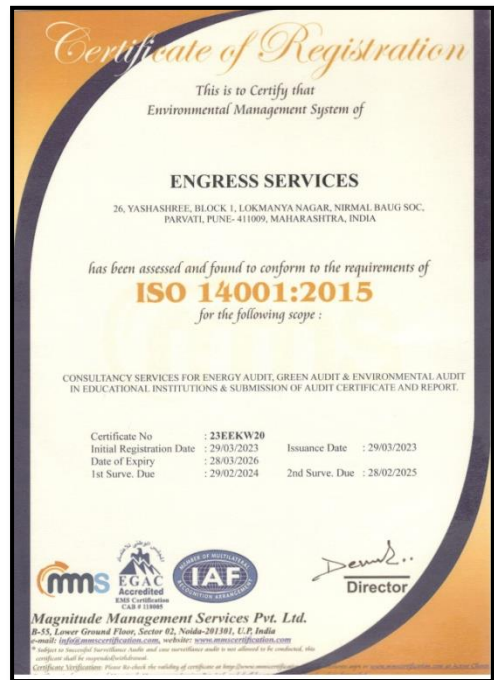


REGISTRATION CERTIFICATES



MEDA REGISTRATION CERTIFICATE

ASSOCHAM GEM CP CERTIFICATE



ISO: 9001-2015 Certificate

ISO: 14001-2015 Certificate

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ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of at Shree L. R. Tiwari College of Law, Shree L. R. Tiwari Educational Campus, Mira Road (East) Thane 401 107, for awarding us the assignment of Green Audit of their Campus for the Year: 2022-23.

We are thankful to all Staff members for helping us during the field study.

EXECUTIVE SUMMARY

1. **Shree L. R. Tiwari College of Law, Mira Road**, consumes Energy in the form of **Electrical Energy**; used for various Electrical Equipment.

2. Present Energy Consumption & CO₂ Emission:

No	Particulars	Value	Unit
1	Annual Energy Consumed	38018	kWh
2	Annual CO ₂ Emissions	34.22	MT

3. Usage of Renewable Energy:

- The College has yet to install Roof Top Solar PV Plant

4. Waste Management:

No	Head	Particulars
1	Solid Waste	Segregation of Waste at source
2	Organic Waste	Provision of Bio Composting Pit
3	E Waste	Recommended to dispose of through Authorized Agency

5. Rain Water Management:

The College has installed Pipes from the terrace and the Rain water falling on the terrace is collected through Pipes and is used to increase the underground Water Table.

6. Green & Sustainable Practices:

- Maintenance of good Internal Road
- Lawn and Tree Plantation in the campus.
- Provision of Ramp for Divyangajan
- Creation of awareness on Water Conservation Display of Posters

7. Assumptions:

1. Energy Consumption is computed based on Load Utilization Factor
2. **1 kWh** of Electrical Energy releases **0.9 Kg of CO₂** into atmosphere

8. Reference:

- For CO₂ Emissions: www.tatapower.com

ABBREVIATIONS

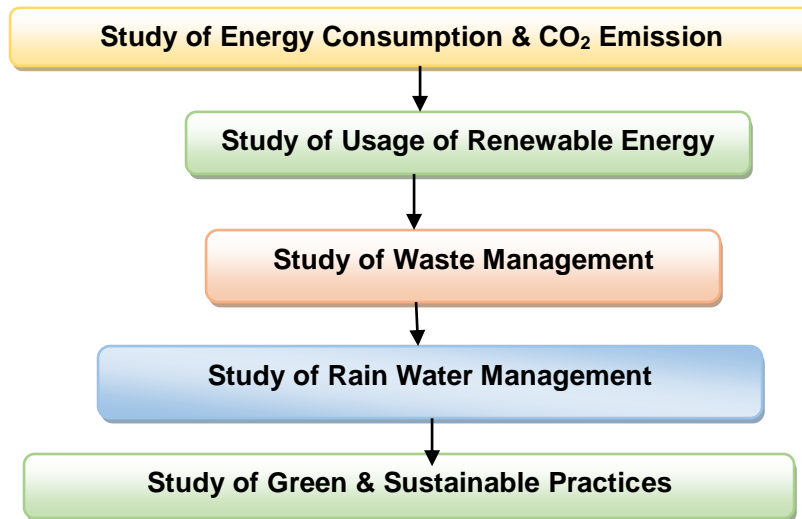
Kg	:	Kilo Gram
MT	:	Metric Ton
kWh	:	kilo-Watt Hour
LED	:	Light Emitting Diode

CHAPTER-I INTRODUCTION

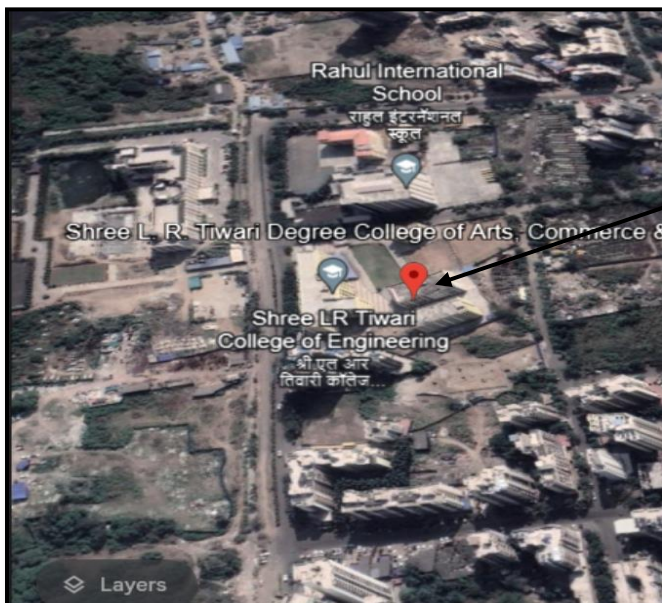
1.1 Introduction:

A Green Audit is conducted at conducted at Shree L. R. Tiwari College of Law, Mira Road (East) Thane 401 107.

1.2 Audit Procedural Steps:



1.3 Google Earth Image:



College
Campus

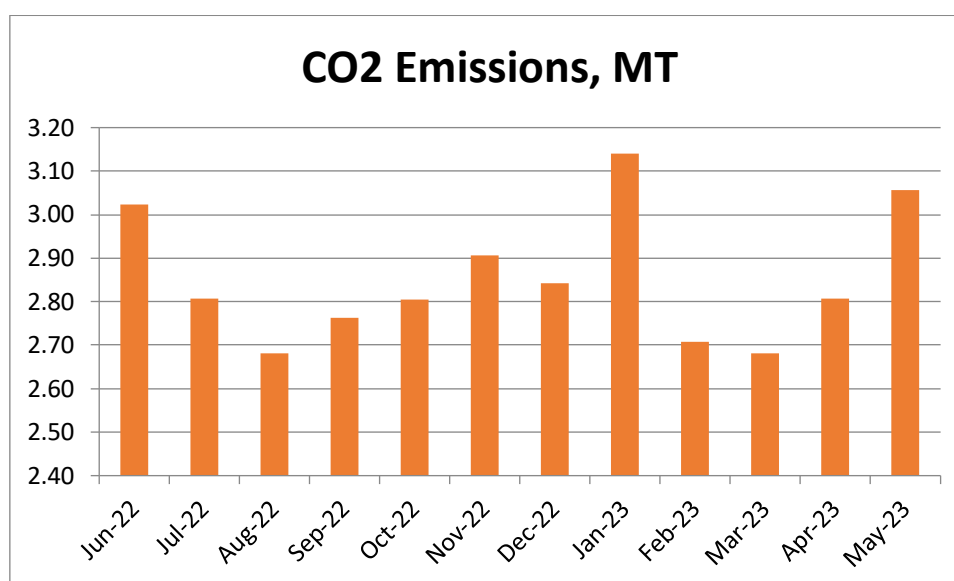
CHAPTER-II STUDY OF ENERGY CONSUMPTION & CO₂ EMISSION

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities. **Basis for computation of CO₂ Emissions: 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere**

Table No 1: Month wise CO₂ Emissions:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jul-22	3360	3.02
2	Aug-22	3118	2.81
3	Sep-22	2978	2.68
4	Oct-22	3069	2.76
5	Nov-22	3116	2.80
6	Dec-22	3229	2.91
7	Jan-23	3157	2.84
8	Feb-23	3489	3.14
9	Mar-23	3009	2.71
10	Apr-23	2978	2.68
11	May-23	3118	2.81
12	Jun-23	3397	3.06
13	Total	38018	34.22
14	Maximum	3489	3.14
15	Minimum	2978	2.68
16	Average	3168.17	2.85

Chart No 1: Month wise CO₂ Emissions:



CHAPTER III

STUDY OF USAGE OF RENEWABLE ENERGY

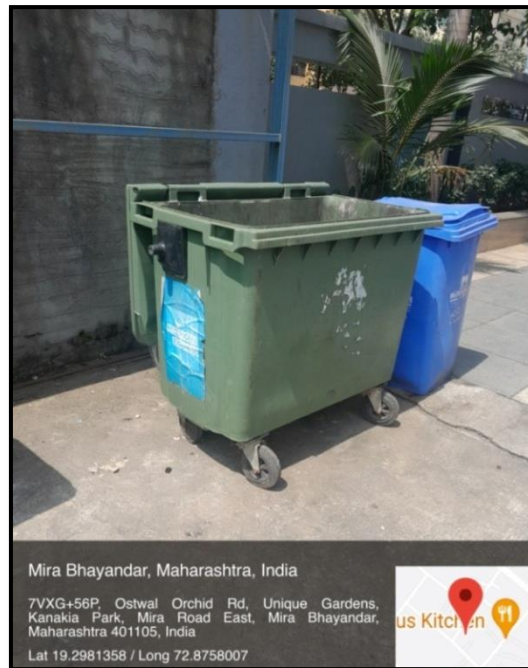
The College has yet to install Roof Top Solar PV Plant.

CHAPTER IV STUDY OF WASTE MANAGEMENT

4.1 Segregation of Waste at Source:

The Dry and Wet waste is segregated at the source. Waste collection Bins are kept at various points.

Photograph of Waste Collection Bin:



4.2 Organic Waste Management:

The College has made provision of a Bio Composting Pit, for conversion of Organic Waste.

Photograph of Bio Composting Pit:



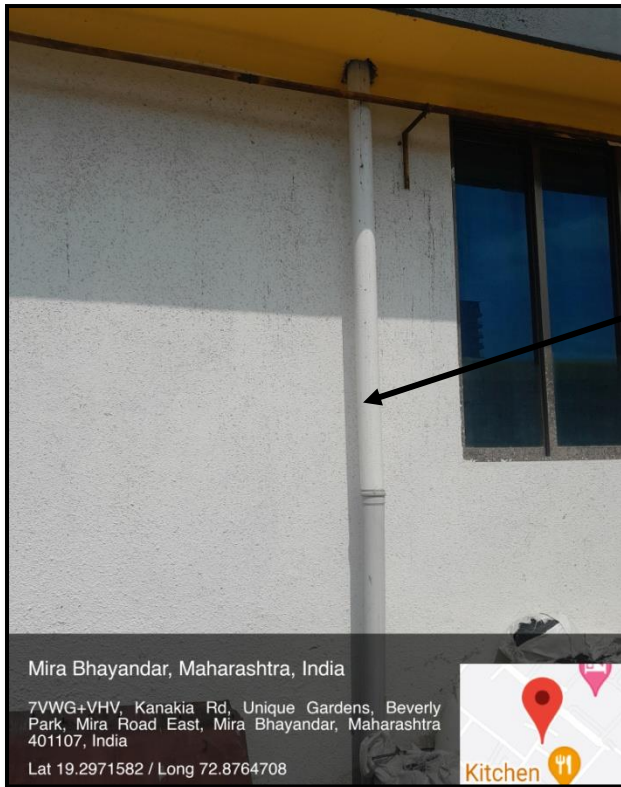
6.3 E-Waste Management:

It is recommended to dispose of the E Waste through Authorized Agency.

CHAPTER-V STUDY OF RAIN WATER MANAGEMENT

The Rain Water falling on the terrace is used to increase the underground Water Table.

Photograph of Rain Water Carrying Pipe:



Rain Water
Carrying Pipe

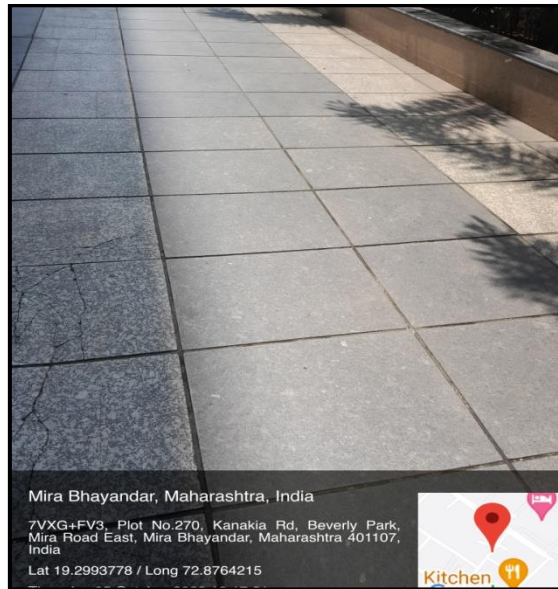
CHAPTER-VI

STUDY OF GREEN & SUSTAINABLE PRACTICES

6.1 Pedestrian Friendly Road:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

Photograph of Internal Road inside the College Campus:



6.2 Green Landscaping:

The College has maintained Lawn in the campus.

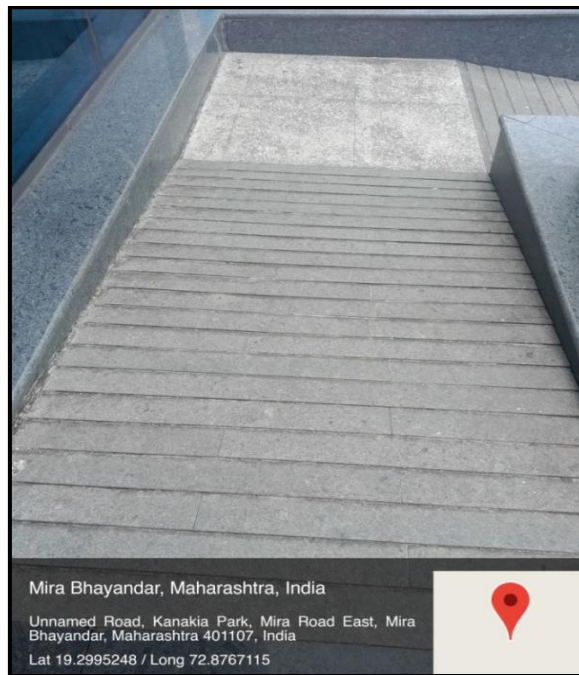
Photograph of Lawn in the College campus:



6.3 Provision of Ramp for Divyangajan:

The College has made provision of Ramp for Divyangajan.

Photograph of Ramp:



6.4 Creation of Awareness on Water Conservation:

The College has displayed posters emphasizing on importance of Water Conservation.

Photograph of Poster on Water Conservation:

