

GREEN AUDIT REPORT

Dnyanoday Prashikshana Sevabhavi Sanstha's,
FORESIGHT COLLEGE OF COMMERCE,
Rasta Peth, Pune 411 002



Year: 2023-24

Prepared by:

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society
Near Muktangam English School, Parvati, Pune 411009
Phone: 09890444795 Email: engress123@gmail.com



Registration Certificates: UDYAM, MEDA, ASSOCHAM GEM-CP, ISO: 9001 & 14001:


 भारत सरकार
 Government of India
 सूक्ष्म, नपु एवं मध्यम उद्यम विभाग
 Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER: UDYAM-MH-26-0135636

NAME OF ENTERPRISE: ENGRESS SERVICES

| S.No. | Classification Year | Enterprise Type | Classification Date |
|-------|---------------------|-----------------|---------------------|
| 1 | 2023-24 | Micro | 03/02/2024 |
| 2 | 2022-23 | Micro | 26/06/2022 |
| 3 | 2021-22 | Micro | 27/07/2021 |

TYPE OF ENTERPRISE: SERVICES

MAJOR ACTIVITY: SERVICES

SOCIAL CATEGORY OF ENTREPRENEUR: GENERAL

NAME OF UNIT(S):

| S.No. | Name of Unit(s) |
|-------|------------------|
| 1 | Engress Services |

OFFICIAL ADDRESS OF ENTERPRISE:

| Flat/Door/Block No. | Name of Premises/ Building | Village/Town | Block |
|---------------------|----------------------------|--------------|-------|
| 26 | Yashashree | Pune | 1 |

Road/Street/Lane: Lokmanya Nagar/Nirmal Baug Soc
 City: Pune
 State: MAHARASHTRA District: PUNE, Pin 411009
 Mobile: 8767447244 Email: engress12@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 13/04/2021

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 13/04/2021

| S.No. | NIC 2 Digit | NIC 4 Digit | NIC 5 Digit | Activity |
|-------|--|--|---|----------|
| 1 | 79 - Activities of head offices; management consultancy activities | 7920 - Management consultancy activities | 79200 - Management consultancy activities | Services |

NATIONAL INDUSTRY CLASSIFICATION CODE(S):

DATE OF UDYAM REGISTRATION: 27/07/2021



MAHARASHTRA ENERGY DEVELOPMENT AGENCY

Maharashtra Energy Development Agency
 (Government of Maharashtra Institution)
 Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary, Aundh, Pune, Maharashtra 411067
 Ph No: 020-35000450
 Email: eee@maharaja.com, Web: www.maharaja.com

ECN/2022-23/CR-43/1709 10th May, 2022

CERTIFICATE OF REGISTRATION FOR CLASS 'A'

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm: M/s Engress Services, Yashashree, 26, Nirmal Baug Society, Near Muktaganj English School, Parvati, Pune - 411 009.

Registration Category: Empanelled Consultant for Energy Conservation Programme for Class 'A'

Registration Number: MEDA/ECN/2022-23/Class A/EA-32.

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

General Manager (EC): [Signature]



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ACKNOWLEDGEMENT

We at Engress Services, Pune, express our sincere gratitude to the management Dnyanoday Prashikshana Sevabhavi Sanstha's Foresight College of Commerce, Pune, for awarding us the assignment of Green Audit of their campus for the Year: 2023-24.

We are thankful to all the faculty and staff members for helping us during the field study.

EXECUTIVE SUMMARY

1. Dnyanoday Prashikshana Sevabhavi Sanstha's Foresight College of Commerce, Rasta Peth, Pune 411 002, consumes Energy in the form of **Electrical Energy**; used for various gadgets, Office & other facilities

2. Present Energy Consumption & CO₂ Emission:

| No | Particulars | Value | Unit |
|----|----------------------------------|-------------|------|
| 1 | Annual Energy Consumed | 4864 | kWh |
| 2 | Annual CO ₂ Emissions | 4.52 | MT |

3. Usage of Renewable Energy:

- The College has yet to install Solar PV Plant.

4. Waste Management:

| No | Head | Particulars |
|----|-------------|---|
| 1 | Solid Waste | Segregation of Waste at source |
| 2 | E Waste | Recommended to dispose of through Authorized Agency |

5. Rain Water Management:

The College is in process of installing the Rainwater Harvesting Project.

6. Green & Sustainable Practices:

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

7. Assumption:

1. **1 kWh** of Electrical Energy releases **0.93 Kg of CO₂** into atmosphere

8. Reference:

- For CO₂ Emissions: www.ccd.gujarat.gov.in

ABBREVIATIONS

| | |
|-----------------|-----------------------------|
| BEE | Bureau of Energy Efficiency |
| kWh | Kilo Watt Hour |
| LPD | Liters Per Day |
| Kg | Kilo Gram |
| MT | Metric Ton |
| CO ₂ | Carbon Di Oxide |
| Qty | Quantity |

CHAPTER-I INTRODUCTION

1.1 Introduction:

A Green Audit is conducted at Dnyanoday Prashikshana Sevabhavi Sanstha's Foresight College of Commerce YMCA Complex, Rasta Peth, Pune

1.2 Key Study Points:

| No | Particulars |
|----|--|
| 1 | Study of Present Energy Consumption & CO ₂ Emission |
| 2 | Study of Usage of Renewable Energy |
| 3 | Study of Waste Management Practices |
| 4 | Study of Rain Water Management |
| 5 | Study of Green & Sustainable Initiatives |

1.3 College Location Image:



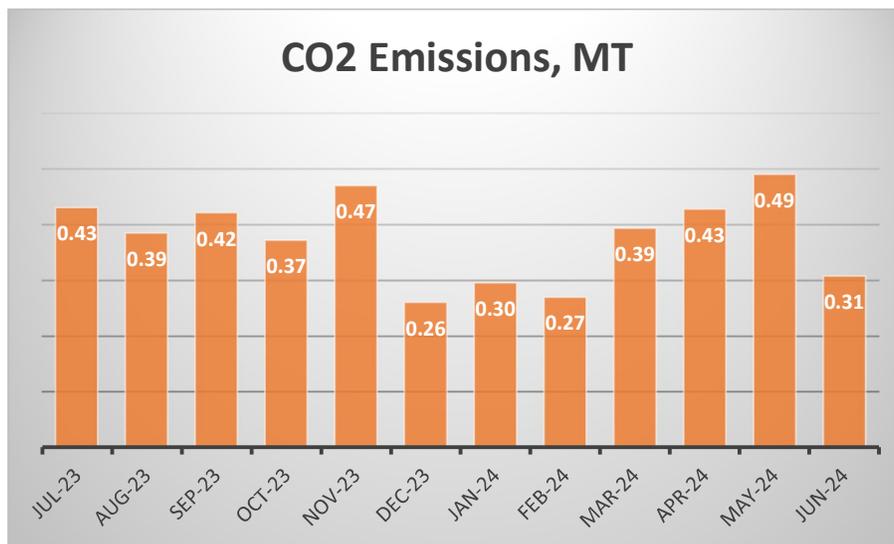
CHAPTER-II STUDY OF ENERGY CONSUMPTION & CO₂ EMISSION

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 0.93 Kg of CO₂ into atmosphere.**

Table No 1: Month wise CO₂ Emissions:

| No | Month | Energy Consumed, kWh | CO ₂ Emissions, MT |
|----|---------|----------------------|-------------------------------|
| 1 | Jul-23 | 463 | 0.43 |
| 2 | Aug-23 | 414 | 0.39 |
| 3 | Sep-23 | 453 | 0.42 |
| 4 | Oct-23 | 400 | 0.37 |
| 5 | Nov-23 | 505 | 0.47 |
| 6 | Dec-23 | 280 | 0.26 |
| 7 | Jan-24 | 318 | 0.30 |
| 8 | Feb-24 | 290 | 0.27 |
| 9 | Mar-24 | 423 | 0.39 |
| 10 | Apr-24 | 460 | 0.43 |
| 11 | May-24 | 527 | 0.49 |
| 12 | Jun-24 | 331 | 0.31 |
| 13 | Total | 4864 | 4.52 |
| 14 | Maximum | 527 | 0.49 |
| 15 | Minimum | 280 | 0.26 |
| 16 | Average | 405.33 | 0.38 |

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

In this Chapter, we present the Waste Management Practices, followed by the Institute.

Details of Waste Management Practices:

| No | Head | Observation | Photograph |
|----|-------------|---|---|
| 1 | Solid Waste | Segregation of Waste at Source: Provision of Waste Collection Bins | <p>Waste Collection Bin:</p>  |
| 2 | E Waste | Recommended to dispose of through Authorized Agency. | |

CHAPTER-V

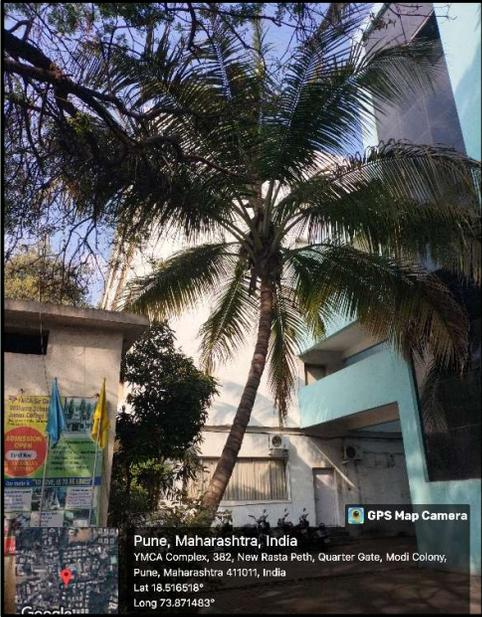
STUDY OF RAIN WATER MANAGEMENT

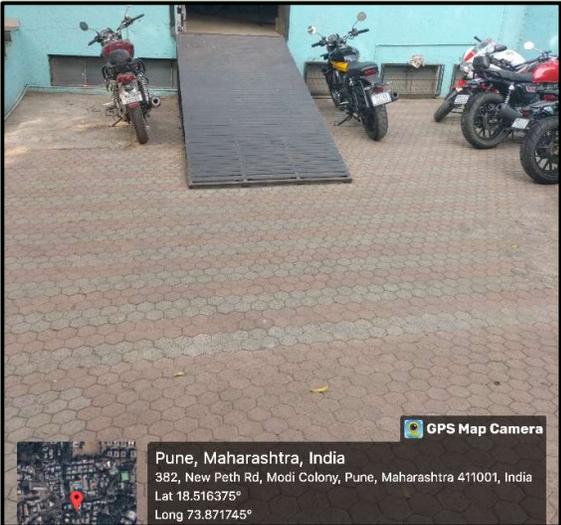
The College is in a process of installing the Rainwater Harvesting Project.

CHAPTER-VI STUDY OF GREEN & SUSTAINABLE PRACTICES

In this Chapter, we present the Green & Sustainable Practices followed by the Institute.

Green & Sustainable Practices:

| No | Head | Observation | Photograph |
|----|--------------------------------|---|---|
| 1 | Easy Movement of Stake Holders | Provision of Good Internal Road within the Campus | <p>Internal Road:</p>  <p>A photograph showing a wide, paved internal road within a campus. The road is made of interlocking bricks and is flanked by buildings and trees. A white truck is parked on the right side of the road. The image includes a GPS overlay at the bottom right with the text: 'Pune, Maharashtra, India', 'YMCA Complex, 382, New Rasta Peth, Quarter Gate, Modi Colony, Pune, Maharashtra 411011, India', 'Lat 18.516497°', and 'Long 73.871466°'.</p> |
| 2 | Tree Plantation | Internal Tree Plantation in the Campus | <p>Internal Tree Plantation:</p>  <p>A photograph showing a large, mature tree, likely a palm tree, planted in the campus. The tree is tall and has a thick trunk. It is situated in front of a building. The image includes a GPS overlay at the bottom right with the text: 'Pune, Maharashtra, India', 'YMCA Complex, 382, New Rasta Peth, Quarter Gate, Modi Colony, Pune, Maharashtra 411011, India', 'Lat 18.516618°', and 'Long 73.871463°'.</p> |

| | | | |
|----------|---|---|---|
| <p>3</p> | <p>Facilities for Divyangajan</p> | <p>Provision of ramp for Divyangajan</p> | <p>Ramp for Divyangajan:</p>  <p>Pune, Maharashtra, India 382, New Peth Rd, Modi Colony, Pune, Maharashtra 411001, India Lat 18.516375° Long 73.871745°</p> |
| <p>4</p> | <p>Creation of Awareness among Stake Holders</p> | <p>Display of Poster on Energy Conservation</p> | <p>Poster on Energy Conservation:</p>  <p>SAVE ENERGY SAVE THE PLANET</p> <p>Simple Steps to Maintain Energy Efficient Campus</p> <ul style="list-style-type: none">Turn Off Lights When you leave a room, turn off the lights to save energy.Unplug Devices Unplug chargers and devices when not in use to prevent "phantom" energy use.Use Efficient Equipment Use STAR Rated energy efficient equipment. <p>Together, Let's Conserve Energy for a Brighter Tomorrow!</p> <p>www.campusmark.in</p> <p>Pune, Maharashtra, India YMCA Complex, 382, New Rasta Peth, Quarter Gate, Modi Colony, Pune, Maharashtra 411011, India Lat 18.516504° Long 73.871677°</p> |

ANNEXURE-1:
LIST OF TREES & PLANTS IN THE CAMPUS:

| No | Common Name of Tree/Plant |
|----|---------------------------|
| 1 | Ticoma |
| 2 | Hibiscus |
| 3 | Audumbar |
| 4 | Curry Leaves |
| 5 | Peace Lily |
| 6 | Papaya |
| 7 | Agelia |
| 8 | Ceditica |
| 9 | Aloe Vera |
| 10 | Neem |
| 11 | Rohdea |
| 12 | Coconut |
| 13 | Mango |
| 14 | Palm |
| 15 | Moneyplant |
| 16 | Coleus |
| 17 | Umberella Palm |
| 18 | Bahava |
| 19 | Morpankhi |
| 20 | Ashoka |
| 21 | Cow's Foot |
| 22 | Ticoma |
| 23 | Hibiscus |
| 24 | Audumbar |
| 25 | Curry Leaves |
| 26 | Peace Lily |
| 27 | Papaya |