



Samaj Prabodhan Sanstha's

CHANDRABHAMA MAHAVIDYALAYA, KARJAT

(Affiliated to Savitribai Phule Pune University, Pune ID: PU/AN/AS/150/2018)

At/Post. Karjat Tal. Karjat, Dist. Ahmednagar (MH) – 414402

<https://chandrabhamamahavidyalayakarjat.com/> Email – cmkarjat@gmail.com

Unipune ID: CAAA020760 AISHE CODE – C-59888

CRITERION 7

7.1.3 INSTITUTIONAL VALUES AND SOCIAL RESPONSIBILITIES

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Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat.
Tal.Karjat, Dist.A'Nagar (MH)



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7.1.3. Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following 1. Green audit / Environment audit 2. Energy audit 3. Clean and green campus initiatives 4. Beyond the campus environmental promotion activities

7.1.3 Index

Sr. No.	Particulars
1.	Energy, Green and Environment Audit Reports
2.	Energy, Green and Environment Audit Certificates 2021-20
3.	Energy, Green and Environment Audit Certificates 2022-21
4.	Energy, Green and Environment Audit Certificates 2023-22
5.	Green Campus Policy
6.	Photos of Green and Clean Campus
7.	Beyond the campus environmental promotion activities

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ENVIRONMENT AUDIT 2021- 2022

ACKNOWLEDGEMENT

We Enrich Consultants, Pune, express our sincere gratitude to the management of Creative Educational Foundation's Chandrabhama mahavidyalahya,. Karjat for awarding us the assignment of Environmental Audit of their college Campus for the Year: 2021 -2022 . We are thankful to all Staff members for helping us during the field study.

EXECUTIVE SUMMARY

1. **Creative Educational Foundation's chandrabhama college , karjat** consumes Energy in the form of **Electrical Energy**; used for various office equipment.
2. **Pollution due to College Activities:**
 - **Air pollution:** Mainly CO₂ on account of Electrical Energy Consumption
 - **Solid Waste:** Bio degradable Kitchen Waste, Garden Waste
 - **Liquid Waste:** Human liquid waste
3. **Present Level of Energy Consumption & CO₂ Emission:**

No	Parameter/ Value	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Total	5557	5.00
2	Maximum	847	0.76
3	Minimum	104	0.09
4	Average	463.08	0.42

4. **Usage of Renewable Energy & CO₂ Emission Reduction:**

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

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5. Indoor Air Quality Parameters:

No	Parameter/Value	AQI	PM-2.5	PM-10
1	Maximum	71	44	57
2	Minimum	53	35	37

6. Waste Management:

6.1 Solid Waste Management:

The recyclable waste, like paper waste is segregated at source and then handed over to Authorized Agency for further action.

7. Rain Water Management:

The College has installed Rainwater Management project; the rain water falling on the terrace is used to increase underground water table.

8. Environment Friendly Initiatives:

- Tree Plantation in the campus

ABBREVIATIONS

Kg	:	Kilo Gram
MSEDCL	:	Maharashtra State Distribution Company Limited
MT	:	Metric Ton
kWh	:	kilo-Watt Hour
LPD	:	Liters per Day
LED	:	Light Emitting Diode
AQI	:	Air Quality Index

CHAPTER-I INTRODUCTION

1.1 Important Definitions:

1.1.1 Environment: Definition as per environment Protection Act: 1986

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Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment

1.1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

1.1.4. Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water (Prevention and Control of Pollution) Act
1977	The Water (Prevention & Control of Pollution) Cess Act
1980	The Forest (Conservation) Act
1981	The Air (Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

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1.2 Objectives:

1. To study Resource Consumption & CO₂ Emissions
2. To study Usage of Renewable Energy
3. To study Indoor Air Quality Parameters
4. To study Waste Management Practices
5. To study Rain Water Management
6. To study Environment friendly Initiatives

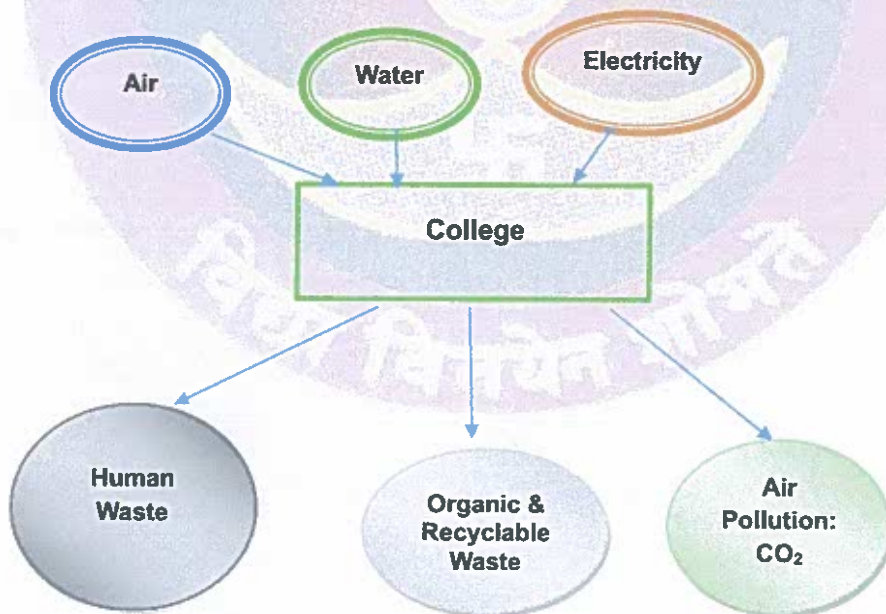
CHAPTER-II STUDY OF RESOURCE CONSUMPTION & CO₂ EMISSION

2.1 The College consumes following Natural/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.

2.2 Chart No 1: Representation of College as a System:



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2.3 Computation of CO₂ Emissions: A Carbon Foot print is defined as the Total Greenhouse Gas Emissions, emitted due to various activities. The College uses Electrical Energy for various Electrical gadgets & day to day activities.

CHAPTER-III STUDY OF USAGE OF RENEWABLE ENERGY

The College has yet to install Roof Top Solar PV Plant

CHAPTER IV STUDY OF INDOOR AIR QUALITY

4.1 Importance of Air Quality:

Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases.

On average, a person inhales about **14,000 liters** of air every day. Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability. Rapid urbanization and industrialization has added other elements/compounds to the pure air and thus caused the increase in pollution. In order to prevent, control and abate air pollution, the Air (Prevention and Control of Pollution) Act was enacted in 1981.

Air quality is a measure of the suitability of air for breathing by people, plants and animals.

According to Section 2(b) of Air (Prevention and control of pollution) Act, 1981 'air pollution' has been defined as 'the presence in the atmosphere of any air pollutant.'

4.2 Air Quality Index:

An **Air Quality Index (AQI)** is a number used by government agencies to measure the air pollution levels and communicate it to the population.

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We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM-2.5- Particulate Matter of Size 2.5 micron
3. PM-10- Particulate Matter of Size 10 micron

CHAPTER V STUDY OF WASTE MANAGEMENT

6.1 Solid Waste Management:

The recyclable waste, like paper waste is segregated at source and then handed over to Authorized Agency for further action.

CHAPTER-VII STUDY OF RAIN WATER MANAGEMENT

The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is used to increase underground water table

CHAPTER-VIII STUDY OF ENVIRONMENT FRIENDLY INITIATIVES

8.1 Tree Plantation:

The College has well Tree Plantation in the campus.

Photograph of Tree plantation in the campus:

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EXECUTIVE SUMMARY

1. Creative Educational Foundation' chandrabhama mahavidyalaya , karjat consumes Energy in the form of Electrical Energy; used for various office equipment.
2. Present Energy Consumption & CO2 Emission:

No	Parameter/ Value	Energy Consumed, kWh	CO ₂ Emissions MT
1	Total	7249	6.52
2	Maximum	889	0.80
3	Minimum	384	0.35
4	Average	604.08	0.54

3. Projects implemented for Energy Conservation: • Usage of Energy Efficient LED fittings 4.

Usage of Renewable Energy & CO2 Emission Reduction: •

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

5. Waste Management:

5.1 Solid Waste Management: The recyclable waste, like paper waste is segregated at source.

6. Rain Water Management: The rain water falling on the terrace is used to increase underground water table.

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7. Green & Sustainable Initiatives: • Good internal road • Tree Plantation in the campus • Provision of Ramp for Divyangajan • Creation of Awareness on Water Conservation, by Display of Posters

CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To study the present CO2 emissions
3. To study usage of Renewable Energy
4. To study Waste Management Practices
5. To study Rain Water Management 6. To study Green & Sustainable Initiatives

CHAPTER III STUDY OF CARBON FOOTPRINTING

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

CHAPTER IV STUDY OF USAGE OF ALTERNATE ENERGY

The College has yet to install Roof Top Solar PV Plant

CHAPTER V STUDY OF WASTE MANAGEMENT

5.1 Solid Waste Management: The recyclable waste, like paper waste is segregated at source and then handed over to Authorized Agency for further action. Photograph of Waste Collection Bin:

Provision of Sloppy Structure for Divyangajan:

The College has made provision of Sloppy Structure at the main entrance of the College for the Divyangajan Photograph of Sloppy Structure for Divyangajan:

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EXECUTIVE SUMMARY 1.

Creative Educational Foundation' Chandrabhama mahavidyalaya karjat consumes Energy in the form of Electrical Energy; used for various office equipment.

2. Present Energy Consumption & CO2 Emission:

PROJECTS IMPLEMENTED FOR ENERGY CONSERVATION: •

Usage of Energy Efficient LED fittings

Usage of Renewable Energy & CO2 Emission Reduction: •

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

Waste Management:

Solid Waste Management: The recyclable waste, like paper waste is segregated at source.

6. Rain Water Management: The rain water falling on the terrace is used to increase underground water table.

7. Green & Sustainable Initiatives: • Good internal road • Tree Plantation in the campus • Provision of Ramp for Divyangajan • Creation of Awareness on Water Conservation, by Display of Posters

CHAPTER-I INTRODUCTION 1.1

Objectives: 1. To study present Energy Consumption

2. To study the present CO2 emissions

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3. To study usage of Renewable Energy
4. To study Waste Management Practices
5. To study Rain Water Management
6. To study Green & Sustainable Initiatives

CHAPTER IV STUDY OF USAGE OF ALTERNATE ENERGY

The College has yet to install Roof Top Solar PV Plant

CHAPTER V STUDY OF WASTE MANAGEMENT 5.

1 Solid Waste Management: The recyclable waste, like paper waste is segregated at source and then handed over to Authorized Agency for further action.

CHAPTER-VI STUDY OF RAIN WATER MANAGEMENT The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is used to increase underground water table

CHAPTER-VII STUDY OF GREEN & SUSTAINABLE PRACTICES

7.1 Pedestrian Friendly Road: The College has well defined pedestrian roads to facilitate the easy movement of the students within the campus.

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EXECUTIVE SUMMARY

1. Creative Educational Foundation's Chandrabhama college karjat consumes Energy in the form of Electrical Energy; used for various office equipment.

Energy Conservation projects Installed: • Usage of Energy Efficient LED fittings

- Maximum Usage of Day Light

4. Usage of Alternate/Renewable Energy:

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

5. Usage of LED Lighting: • The percentage of LED Lighting Load to Total Lighting Load is 100 %.

6. Assumption: 1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

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CHAPTER-I INTRODUCTION 1.1

OBJECTIVES:

1. To study Connected Load
2. To study Present Energy Consumption
3. To compute CO2 emissions
4. To study Usage of Renewable Energy
5. To study usage of LED Lighting

CHAPTER-2

STUDY OF USAGE OF ALTERNATE ENERGY The College has yet to install Roof Top Solar PV Plant.

CHAPTER 3

STUDY OF USAGE OF LED LIGHTING

In this chapter, we compute the percentage of usage of LEDs to Total Lighting Load.

- The Total Lighting Load of the College is 1.776 kW
- All the Fittings are LEDs
- The percentage of LED Lighting Load to Total Lighting Load is 100 %

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ENERGY AUDIT 2022-2023

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EXECUTIVE SUMMARY

1. Creative Educational Foundation's Chandrabhama mahavidyalaya karjat consumes Energy in the form of Electrical Energy; used for various office equipment.
2. Present Connected Load & Energy Consumption:

RENEWABLE ENERGY & ENERGY EFFICIENCY:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting

Assumption: 1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

CHAPTER-I INTRODUCTION 1.1

Introduction: An Energy Audit is conducted at Chandrabhama mahavidyalaya Karjat The guidelines followed for conducting the Energy Audit are:

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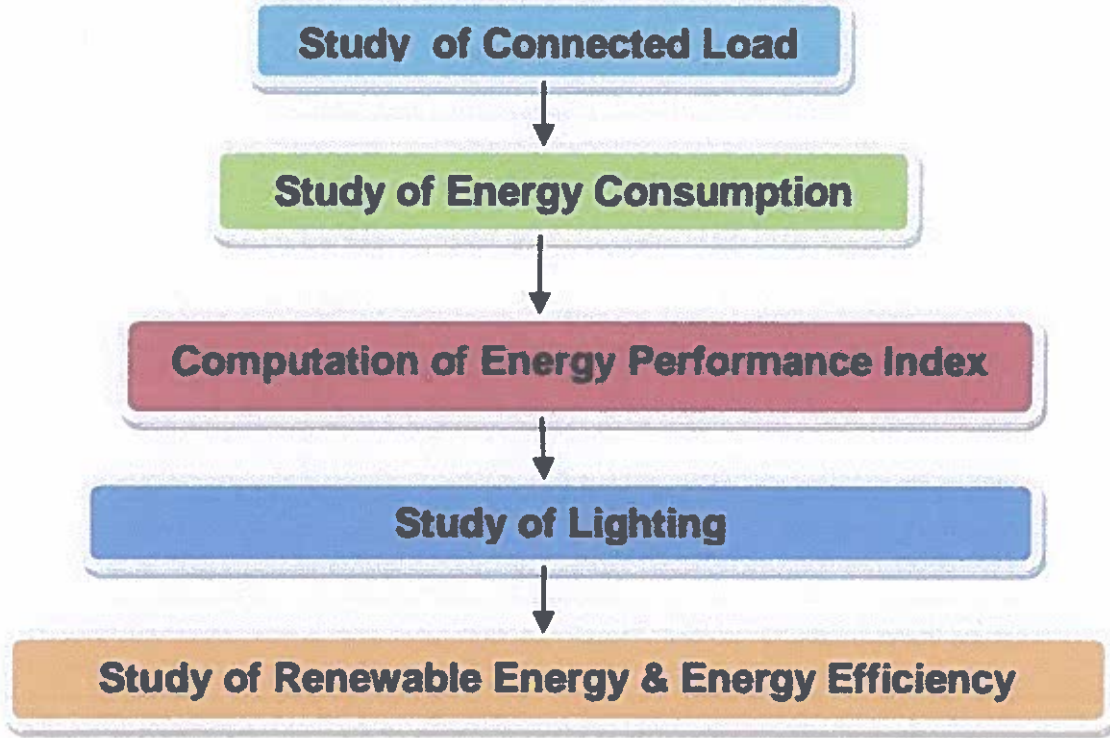
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CHAPTER-IV STUDY OF ENERGY PERFORMANCE

INDEX Energy Performance Index: Energy Performance Index of a Building is its Annual Energy Consumption in Kilo Watt Hours per square meter of the building

It is determined by: $EPI = \frac{\text{Annual Energy Consumption in kWh}}{\text{Total Built-up area in m}^2}$
Now we compute the EPI for the College as under:

CHAPTER-V STUDY OF LIGHTING

Terminology:

1. Lumen is a unit of light flow or luminous flux. The lumen rating of a lamp is a measure of the total light output of the lamp. The most common measurement of light output (or luminous flux) is the lumen. Light sources are labeled with an output rating in lumens.

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Karjat. Tal.Karjat, Dist.A'Nagar(M.H.)



Samaj Prabodhan Sanstha's

CHANDRABHAMA MAHAVIDYALAYA, KARJAT

(Affiliated to Savitribai Phule Pune University, Pune ID: PU/AN/AS/150/2018)

At/Post. Karjat Tal. Karjat, Dist. Ahmednagar (MH) – 414402

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Unipune ID: CAAA020760 AISHE CODE – C-59888

2. Lux is the metric unit of measure for illuminance of a surface. One lux is equal to one lumen per square meter.
3. Circuit Watts is the total power drawn by lamps and ballasts in a lighting circuit under assessment.
4. Installed Load Efficacy is the average maintained illuminance provided on a horizontal working plane per circuit watt with general lighting of an interior. Unit: lux per watt per square metre (lux/W/m²)
5. Lamp Circuit Efficacy is the amount of light (lumens) emitted by a lamp for each watt of power consumed by the lamp circuit, i.e. including control gear losses. This is a more meaningful measure for those lamps that require control gear. Unit: lumens per circuit watt (lm/W)
6. Installed Power Density. The installed power density per 100 lux is the power needed per square metre of floor area to achieve 100 lux of average maintained illuminance on a horizontal working plane with general lighting of an interior. Unit: watts per square metre per 100 lux (W/m²/100 lux) 100 Installed power density (W/m²/100 lux)
7. Lighting Power Density: It is defined as Total Lighting Load in a room divided by the Area of that Room in square meters. Now we compute the percentage of usage of LEDs to Total Lighting Load

The percentage of LED Lighting Load to Total Lighting Load is 100 %.

CHAPTER-VI STUDY OF RENEWABLE ENERGY & ENERGY EFFICIENCY 6.1

Usage of Renewable Energy: The College has yet to install Roof Top Solar PV Plant.

6.2 Energy Efficiency Measures adopted:

- The College has Energy Efficient LED Fittings

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Cordinator

Internal Quality Assurance Cell
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Tal.Karjat, Dist.A'Nagar (MH)

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• **ENVIRONMENT AUDIT 2022-2023**

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Creative Educational Foundation's Chandrabhama mahavidyalaya Karjat for awarding us the assignment of Environmental Audit of their college Campus for the Year: 2022-23. We are thankful to all staff members for helping us in the Field Study .

EXECUTIVE SUMMARY

1. Creative Educational Foundation's Chandrabhama mahavidyalaya karjat consumes Energy in the form of Electrical Energy; used for various office equipment.

2. Pollution caused due to College Activities: → Air pollution: Mainly CO₂ on account of Electricity Consumption →

Solid Waste: Bio degradable Garden Waste, Recyclable Waste and Human Waste Liquid Waste: Human Liquid Waste

4. Usage of Renewable Energy & CO₂ Emission Reduction:

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

Rain Water Management: The College has implemented Rain Water Management Project. The Rain Water falling on the terrace is used to increase the Underground Water table

Environment Friendly Practices:

- Internal Tree Plantation.
- Creation of awareness on Energy Conservation by Display of Posters

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Assumption: 1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

CHAPTER-I INTRODUCTION 1.

Important Definitions: 1.1. Environment: Definition as per environment Protection Act: 1986 Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.2. Environmental Audit: Definition: An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment

1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

CHAPTER-II STUDY OF RESOURCE CONSUMPTION & CO₂ EMISSION

2.1 The College consumes following Natural/derived Resources:

1. Air
2. Water
3. Electrical Energy & Diesel

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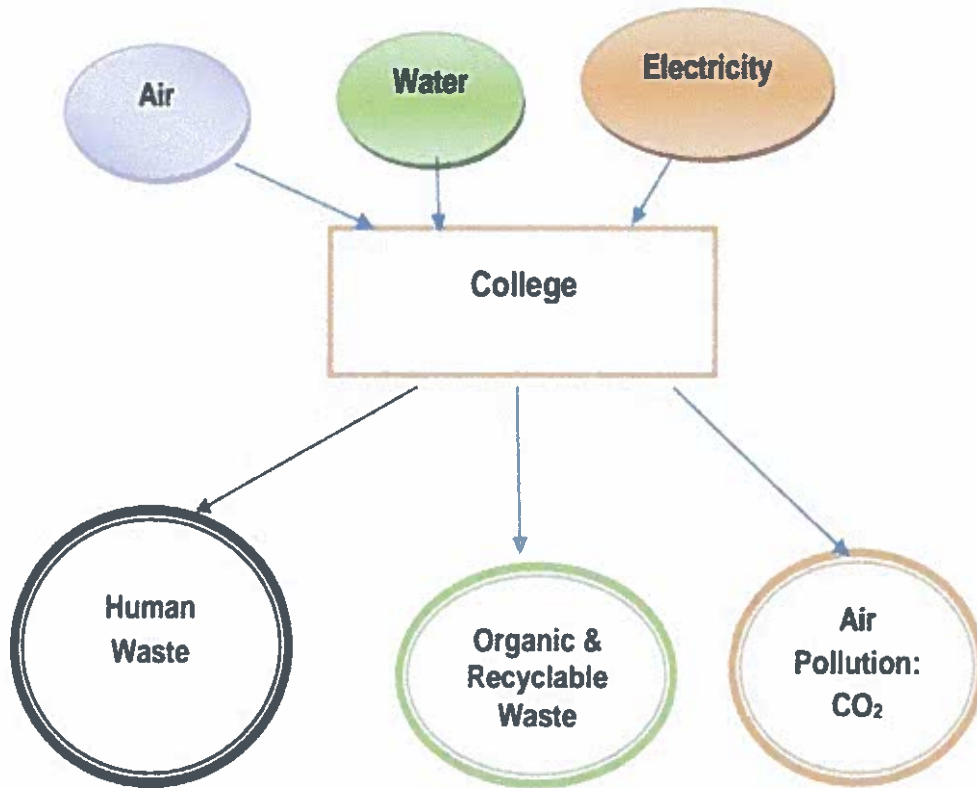
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We try to draw a schematic diagram for the Institute System & Environment as under.



2.3 Computation of CO₂ Emissions: 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

CHAPTER-III STUDY OF USAGE OF RENEWABLE ENERGY

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

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CHAPTER IV STUDY OF INDOOR AIR QUALITY PARAMETERS

4.1 Importance of Air Quality: Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases. On average, a person inhales about 14,000 liters of air every day.

Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability.

Air quality is a measure of the suitability of air for breathing by people, plants and animals. According to Section 2(b) of Air (Prevention and control of pollution)

Act, 1981 'air pollution' has been defined as 'the presence in the atmosphere of any air pollutant.' As per Section 2(a) of Air (Prevention and control of pollution)

Act, 1981 'air pollutant' has been defined as 'any solid, liquid or gaseous substance [(including noise)] present in the atmosphere in such concentration as may be or tend to be injurious to human

4.2 Air Quality Index: An Air Quality Index (AQI) is a number used by government agencies to measure the air pollution levels and communicate it to the population. We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM 2.5- Particulate Matter of Size 2.5 micron
3. PM 10- Particulate Matter of Size 10 micron

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CHAPTER V STUDY OF INDOOR COMFORT CONDITION

In this Chapter, we present the various Indoor Comfort Parameters measured during the Audit.

The Parameters include:

1. Temperature
2. Humidity
3. Lux Level
4. Noise Level.

CHAPTER VI STUDY OF WASTE MANAGEMENT

6.1 Segregation of Waste at Source: At important locations, Waste collections Bins are placed in order to segregate the Waste at sources

6.2 E-WASTE MANAGEMENT

It is recommended to dispose of E waste through authorized agency

CHAPTER VII STUDY OF RAIN WATER MANAGEMENT

The College has implemented Rain Water Management Project. The Rain Water falling on the terrace is used to increase the Underground Water table.

CHAPTER VIII STUDY OF ECO-FRIENDLY PRACTICES

8.1 Internal Tree Plantation: The College has internal Tree Plantation.

8.2 Creation of Awareness on Energy Conservation: The College has displayed Posters on Importance of Energy Conservation:



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GREEN AUDIT 2022 - 2023

ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Creative Educational Foundation's Chandrachama mahavidyalaya karjat for awarding us the assignment of Green Audit of their college Campus for the Year: 2022-23.

EXECUTIVE SUMMARY

Creative Educational Foundation's Chandrabhama mahavidyalaya karjat consumes Energy in the form of Electrical Energy; used for various office equipment.

Usage of Renewable Energy & CO2 Emission Reduction: • The College has yet to install Roof Top Solar PV Plant.

Rain Water Management: The College has installed Rainwater harvesting project; the rain water falling on the terrace is used to increase underground water table.

Green & Sustainable Practices: → Maintenance of good Internal Road → Tree Plantation in the campus. → Provision of Sloppy Structure for Divyangajan → Creation of awareness on Energy Conservation by Display of Posters

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: At important locations, Waste collections Bins are placed in order to segregate the Waste at source.

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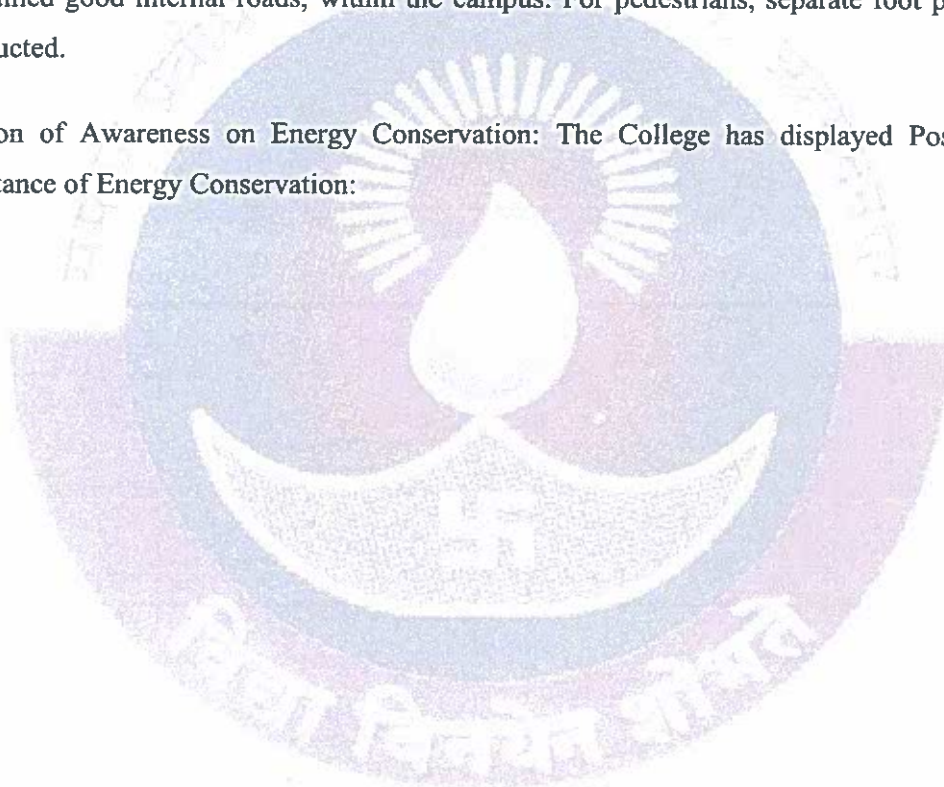
CHAPTER V STUDY OF RAIN WATER MANAGEMENT

The College has implemented the Rain Water Management Project. The College has installed Pipes from the terrace and the Rain water falling on the terrace is used to increase underground water

CHAPTER VI STUDY OF GREEN AND SUSTAINABLE PRACTICES

6.1 Internal Roads: For easy movement of commuters, in the campus, the College has maintained good internal roads, within the campus. For pedestrians, separate foot paths are constructed.

Creation of Awareness on Energy Conservation: The College has displayed Posters on Importance of Energy Conservation:



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• **ENERGY, GREEN AND ENVIRONMENT AUDIT CERTIFICATES 2020**

Enrich Consultants

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Ref: CC/SPSCM/19-20/03

Date: 25/7/2020

CERTIFICATE

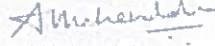
This is to certify that we have conducted Environmental Audit at Samaj Prabodhan Sansta Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2019-20.

The College has adopted following Environment Friendly Practices:

- > Usage of Energy Efficient LED Light Fittings
- > Maximum Usage of Day Lighting
- > Segregation of Waste at source
- > Implementation of Rain Water Management Project
- > Internal Tree Plantation

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Environment Friendly.

For Enrich Consultants,


A Y Mehendale,
Certified Energy Auditor,
EA-8192





Cordinator

Internal Quality Assurance Cell
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Tal.Karjat, Dist.A'Nagar (MH)



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Date: 25/7/2020

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This is to certify that we have conducted Green Audit at Samaj Prabodhan Sansta Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2019-20.

The College has adopted following Energy Efficient & Green Practices.

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Implementation of Rain Water Management Project
- Good Internal Road
- Internal Tree Plantation
- Provision of Ramp for Divyangajan

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Enrich Consultants,




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- Maximum Usage of Day Lighting

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For Enrich Consultants,

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Ref: EC/SPSCM/20.21/03

Date: 17/7/2021

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This is to certify that we have conducted Environmental Audit at Samaj Prabodhan Sanstha Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2020-21.

The College has adopted following Environment Friendly Practices.

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Implementation of Rain Water Management Project
- Internal Tree Plantation
- Creation of Awareness on Plastic Free Campus by Display of Poster

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Eco Friendly.

For Enrich Consultants,

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This is to certify that we have conducted Green Audit at Samaj Prabodhan Sansta
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The College has adopted following Green & Sustainable Practices:

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
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- Good Internal Road
- Internal Tree Plantation
- Provision of Ramp for Divyangajan
- Creation of Awareness on Plastic Free Campus by Display of Poster

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For Engress Services,



A Y Mehendale,
Certified Energy Auditor
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- Implementation of Rain Water Management Project
- Good Internal Road
- Internal Tree Plantation
- Provision of Ramp for Divyangajan
- Creation of Awareness on Water Conservation by Display of Poster

We appreciate the support of Management, involvement of faculty members and students in
the process of Energy Conservation & making the campus Green

For Engress Services,

A Y Mehendale

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional: GEM: 22/788



Chorade

Cordinator

Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat
Tal. Karjat, Dist. A' Nagar (MH)

B. N. S.

PRINCIPAL

CHANDRABHAMA MAHAVIDYALAYA
Karjat, Tal. Karjat, Dist. A' Nagar (M.H.)



Samaj Prabodhan Sanstha's

CHANDRABHAMA MAHAVIDYALAYA, KARJAT

(Affiliated to Savitribai Phule Pune University, Pune ID: PU/AN/AS/150/2018)

At/Post. Karjat Tal. Karjat, Dist. Ahmednagar (MH) – 414402

<https://chandrabhamamahavidyalayakarjat.com/> Email – cmkarjat@gmail.com

Unipune ID: CAAA020760 AISHE CODE – C-59888

ENGRESS SERVICES

Yashashree, 26, Nirmal Bag Society,
Near Muktagan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/ SPSCM/21-22/03

Date: 13/7/2022

CERTIFICATE

This is to certify that we have conducted Environmental Audit at Samaj Prabodhan Sanstha Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2021-22.

The College has adopted following Environment Friendly Practices:

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Implementation of Rain Water Management Project
- Internal Tree Plantation
- Creation of Awareness on Water Conservation by Display of Poster

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Eco Friendly.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional, GEM: 22/788



Chorode

Cordinator

Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat,
Tal.Karjat, Dist.A'Nagar (MH)

PRINCIPAL

CHANDRABHAMA MAHAVIDYALAYA
Karjat, Tal.Karjat, Dist.A'Nagar(M.H.)



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Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/ SPSCM/22-23/03

Date: 15/7/2023

ENVIRONMENTAL AUDIT CERTIFICATE

This is to certify that we have conducted Environmental Audit at Samaj Prabodhan Sanstha Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar-414402 in the Year 2022-23.

The College has adopted following Environment Friendly Practices:

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Implementation of Rain Water Management Project
- Internal Tree Plantation
- Creation of Awareness on Energy Conservation by Display of Poster

We appreciate the support of Management, involvement of faculty members and students in the process of making the campus Green & Eco Friendly.

For Engress Services,

A Y Mehendale,
Certified Energy Auditor, EA-8192
ASSOCHAM GEM Certified Professional, GEM: 22/788



Ehrozade

Coordinator
Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat,
Tal. Karjat, Dist. A' Nagar (MH)

Princip
PRINCIPAL
CHANDRABHAMA MAHAVIDYALAYA
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Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/ SPSCM/22-23/01

Date: 15/7/2023

ENERGY AUDIT CERTIFICATE

This is to certify that we have conducted Energy Audit at Samaj Prabodhan Sansta Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2022-23.

The College has adopted following Energy Efficient Practices:

- > Usage of Energy Efficient LED Fittings
- > Maximum Usage of Day Lighting

We appreciate the support of Management, Involvement of faculty members and students in the process of Energy Conservation & making the campus Energy Efficient.

For Engress Services,

A Y Mehendale,
B E-Mechanical, M Tech- Energy,
Certified Energy Auditor, EA-8192



Chade

Cordinator

Internal Quality Assurance Cell
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Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/ SPSCM/22-23/02

Date: 15/7/2023

GREEN AUDIT CERTIFICATE

This is to certify that we have conducted Green Audit at Samaj Prabodhan Sanstha Chandrabhama Mahavidyalaya, Tal: Karjat, Dist: Ahmednagar 414402 in the Year 2022-23.

The College has adopted following Green & Sustainable Practices:

- Usage of Energy Efficient LED Light Fittings
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Implementation of Rain Water Management Project
- Good Internal Road
- Internal Tree Plantation
- Provision of Ramp for Divyangajan
- Creation of Awareness on Energy Conservation by Display of Poster

We appreciate the support of Management, involvement of faculty members and students in the process of making the campus Green.

For Engress Services,

A Y Mehendale,

Certified Energy Auditor, EA-8192

ASSOCHAM GEM Certified Professional: GEM: 22/788



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Cordinator

Internal Quality Assurance Cell

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□ **GREEN CAMPUS POLICY**

Samaj Prabodhan sanstha's



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PUN CODE : CAAA020760

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Green campus initiatives

A Green Campus is a place where environmental friendly practices and education combine to promote sustainable and eco-friendly practices in the campus.

The institutional initiatives for greening the campus are as follows:

- | | |
|--------------------------------------|-----|
| 1. Restricted entry of automobiles | YES |
| 2. Ban on use of Plastic | YES |
| 3. landscaping with trees and plants | YES |

Content

1. Green Campus Policy
2. Notice for Proper Parking During Exams
3. Notice for ban on use of Plastic
4. Notice for landscaping with trees and plants

Chozade

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Green Campus Policy

1. Institute will make all the necessary efforts to involve the students, faculty and staff in "Green Campus Initiatives by designating the volunteers

2. The institute shall set up a committee of active faculty and students interested and working on the agenda of creating green, sustainable and eco-friendly practices in the campus.

3. The green committee must look into the various environmental aspects for green technology and green environment. The performance of waste water treatment, waste recycling, rainwater harvesting and other water conservation measures shall also be monitored.

4. The objectives of the green committee shall be to reduce water footprint, enhance water

quality and biodiversity in the campus, 5. Save Energy will be the motto of every day's work in the institute so that an eco-friendly environment is created in the campus.

6. The organic and inorganic solid waste in the campus shall be collected separately for disposal as per established norms.

7. Institute is encouraging the policy of minimizing the use of plastic in the institute premises. Usage of plastic cups are completely banned in college canteen and mess. 8. All vehicles must be parked properly during exam days to ensure safety, reduce congestion, and

maintain a conducive environment for students.

9. Institute observes one day in the session to create awareness for avoiding noise and air pollution.

10. The green and environmental awareness would be spread to the nearby community as student's extension activities.

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Principal

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PUN CODE : CAAA020760 AISHE - C59888

Date :- 20/08/2018

Notice

Ref. No.

Proper Parking During Exams

This is to inform all students, faculty, and staff that during the examination period, it is mandatory to park vehicles in an organized manner in the designated parking area. Proper parking is essential to avoid congestion and ensure a smooth flow of traffic during exams.

Please follow the instructions of the parking attendants and avoid parking in unauthorized spaces. Your cooperation is crucial to maintaining order on the campus during this busy period.

Elorade

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[Signature]

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PUN CODE : CAAA020760

AISHE - C59888

Date :- 20/08/2018

Notice

Ref No:

Ban on Use of Plastic

In line with environmental conservation efforts and government regulations, the use of plastic bags and disposable plastic items is strictly banned on the college campus with immediate effect. All students, faculty, and staff are encouraged to use eco-friendly alternatives such as cloth bags, metal or glass containers, etc.

Violators of this policy will face disciplinary action. Let's work together to create a cleaner and greener environment.

Chorade

Cordinator

Internal Quality Assurance Cell
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B.S.

PRINCIPAL

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Karjat, Tal.Karjat, Dist.A'Nagar(M.H.)



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PUN CODE : CAAA020760 AISHE - C59888

Date :- 20/08/2018

Notice

Ref. No.

Landscaping with Trees and Plants

We are pleased to announce that the college will be initiating a landscaping project to enhance the greenery and beautify the campus environment. The project will involve planting trees and plants around the college premises.

All students and staff members are invited to participate in this initiative by contributing to the planting activity, which will take place on 20/08/2018. Let's make our campus more eco-friendly and visually appealing.

Chorode

Cordinator
Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat
Tal.Karjat, Dist.A'Nagar (MH)

Bhis

PRINCIPAL
CHANDRABHAMA MAHAVIDYALAYA
Karjat. Tal.Karjat, Dist.A'Nagar(M.H.)



Samaj Prabodhan Sanstha's

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Water Conservation Policy

Preamble : The policy document for water conservation in the Institute.

Objective :

- 1) Increase the efficiency in water use and reduce the wastage of water.
- 2) Conserve and recycle the water.
- 3) Create awareness about water conservation among staff and students.

Policy :

1. Collect and store rain/stormwater of the college campus in the water bodies.
2. Take preventive measures to avoid water pollution stored in water bodies.
3. Take initiatives to create awareness regarding water conservation.
4. All water supply lines, taps, and other fixtures in the washroom and toilet blocks should be checked and repaired periodically to avoid wastage of water.
5. All sewage lines should be checked and repaired periodically to avoid unhygienic conditions.
6. Maintain the water bodies by periodic maintenance.
7. Wastewater used for maintaining the landscape, outside road-floor cleaning, and watering trees and plants

Chazide

Cordinator

Internal Quality Assurance Cell
Chandrabhama Mahavidyalaya, Karjat.
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Principals

PRINCIPAL

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• **PHOTOS OF CLEAN AND GREEN CAMPUS**



Chazade

Cordinator

Internal Quality Assurance Cell
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Principals

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- PRINCIPAL
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Samaj Prabodhan Sanstha's

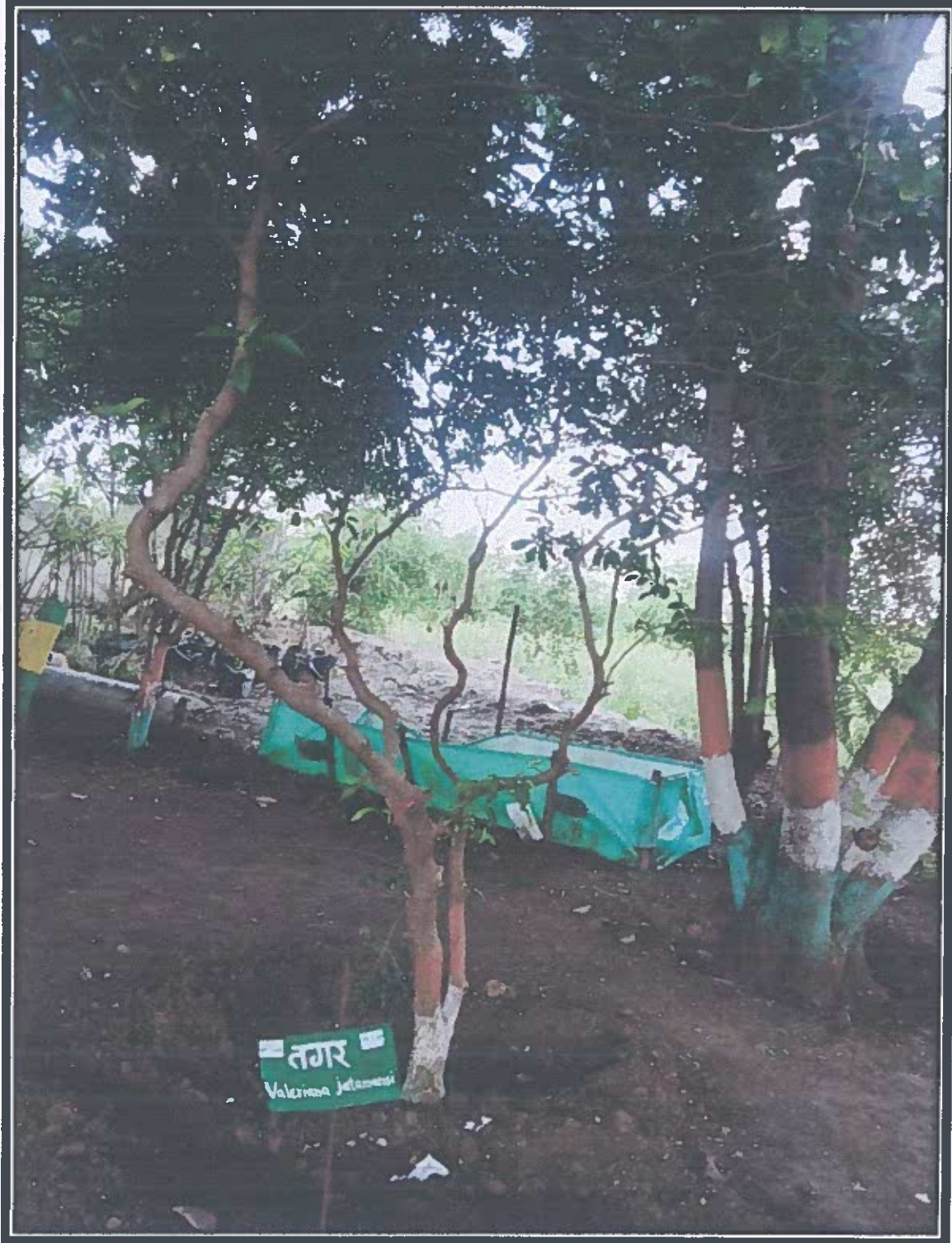
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✚ BEYOND THE CAMPUS ENVIRONMENTAL PROMOTION ACTIVITIES

Chandrabhama College has been proactive in engaging students beyond the confines of the classroom, particularly through its National Service Scheme (NSS) camp activities. The NSS camp provides students with an opportunity to contribute to society while developing their own personal and leadership skills. During the camp, volunteers engage in a wide range of activities such as community service, environmental conservation, rural development, and public health awareness campaigns. They work closely with local communities, addressing issues like cleanliness, sanitation, tree plantation, and literacy drives. These camps not only foster a sense of social responsibility among students but also promote teamwork, empathy, and problem-solving skills. The impact of these camps extends beyond the campus, as students return with a deeper understanding of societal challenges and a strengthened commitment to making a difference in the world.

Chandrabhama College's National Service Scheme (NSS) camp plays a crucial role in shaping the holistic development of its students, as it goes beyond academics to instill values of social responsibility, civic engagement, and leadership. The camp is typically held in rural or underdeveloped areas, where students are exposed to real-world challenges faced by local communities. They engage in a variety of activities aimed at community upliftment, such as conducting health and hygiene awareness drives, organizing medical camps, promoting education among children, and advocating for gender equality and women's empowerment.

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