

B. P. H. E. Society's
INSTITUTE OF MANAGEMENT STUDIES
(CAREER DEVELOPMENT & RESEARCH)
IMS CAMPUS, STATION ROAD, AHMEDNAGAR - 414 001 (M.S.)

NAAC Re-accredited Grade A+ Institute
'Best Institute Award' by S. P. Pune University



GREEN AUDIT REPORT

2020 - 2021

IMS
AHMEDNAGAR

SUMMARY

As a responsible Institute, IMS is totally committed and convinced of the need for a green campus. Over a period of time, IMS has taken various steps to promote 'Green Campus' and reduce the adverse impact on environment.

This 'Green Audit' has the purpose of examining the practices followed by the institute on a continuing basis and whether they are in accordance with the objectives of a Green Campus. It covers various areas which impact environment including paperless work, tree plantation, water conservation, waste management, use of alternative energy and mapping of the green coverage and bio diversity. IMS believes that 'Green Audit' is not a one time activity but a continuing process.

OBJECTIVES OF GREEN AUDIT

Environment protection has become a matter of survival for all of us. It is one of the most important factors which affects us. Our world has reached a point of crisis because of the misuse of resources, water scarcity pollution and lack of proper waste management. In such an adverse situation, it is the duty of all of us to ensure that the environment is protected and to see that there is sustainable use of the same.

COVERAGE OF THE STUDY / AUDIT

The areas covered under this report include :-

- Paperless office and library management
- Green area management
- Water preservation and its management
- Alternate Energy Sources
- Environmental Monitoring of the Institute

OBSERVATIONS AND RECOMMENDATIONS

PAPERLESS OFFICE AND LIBRARY MANAGEMENT

It is observed that the Institute has adopted ICT in several tasks like online admissions, uploading documents, staff salary payments etc. Circular and notices are send through sms, e-mail and also displayed on common TV for the benefit of faculty and students. This includes exam time-table, circulars and notices for staff and circulars and notices for students. 'What's up' group for the faculty and students and use of 'Telegram' app has been put to use. Staff salary is directly credited to the bank account of the concerned staff. The use of bank cheques has been minimized. Also thumb biometric has been installed for staff attendance.

The learning Resource Centre (Library) of the institute has substantial facilities which are paperless. This includes :-

CD Library

On-Line resources by – Computing

NPTEL Streaming Library

Digitalized formats of Ph.D. thesis

Recommendations

Currently, the institute has installed a T.V. in the common area approachable to all. It is recommended that such TVs be installed on all three floors for more visual display. It is also recommended that face biometric be installed in addition to thumb biometric.

WATER MANAGEMENT

The Institute has adopted rain water harvesting system. Rainfall on the main building with terrace is linked to the water harvesting system. This is then accumulated and deposited in the water well for reuse and ground water recharging. Institute has also made efforts to ensure that the rainfall on the open ground does not flow out and is used for water harvesting.

Recommendations

Use of more trenches is recommended to ensure better rain harvesting. Also the SEEDC building and hostel terrace rain water needs to be harvested and connected to the system.

WASTE MANAGEMENT

This includes solid waste, liquid waste and e-waste management Observations

- a) **Solid Waste Management** : The Institute has kept dustbins at different places in the campus and classrooms to ensure that the solid waste is disposed of. It has a provision separately for dry waste and wet waste. These are then cleaned daily and put in the garbage container of the Municipal Corporation.
- b) **Liquid Waste Management** : The Institute has no chemical / liquid waste. Only the liquid waste generated in the toilets is there, which goes through the drainage system directly.
- c) **E-waste Management** : E-waste generated by Institute like used CPU, Printers, Monitors, Keyboard spares are resold as scrap periodically. The Institute has purchased LED Monitors and is replacing the CRT monitors in phases.

Recommendations :

Students especially those newly enrolled should be properly briefed on the importance of the use of dustbins. Also "No Spitting" Boards need to be put at certain places. E-waste should be disposed off more frequently. LED monitors should be installed completely.

GREEN AREA MANAGEMENT

Observations

- a) The Institute procures and uses cloth bags for different purposes instead of plastic. These cloth bags are made use of by the faculty whenever required
- b) The institute has gone for tree plantation in different open spaces of the campus and approximately more than 100 saplings have been planted.
- c) The Institute has also done a Tree Census which found that 24 different varieties of trees are there, totaling to 56 trees.
- d) Institute has also mapped the level of campus Vegetation.

Recommendations :

- Ensure better protection and cultivation of trees already planted.
- Distribution of cloth bags to students also, so as to cultivate the habit of cloth bags instead of plastic.
- Display 'No Plastic Here' boards at different places in the campus.

ALTERNATIVE ENERGY SOURCES

Observations

- a) It is observed that the Institute has installed LED bulbs which use 30% of the total power requirement as compared to local bulbs.
- b) Institute has also installed Solar Panels on the main building as well as at the girls and boys hostels.
- c) Recently Institute organized a Solar Lamp Assembly workshop under the Gandhi Global Solar Yatra (GGSY) in association with IIT, Mumbai. About 50 students took part in this project.

Recommendations :

- LED lights should replace some of the tube lights which are pending.
- Proper monitoring of the benefit of installing solar panels should be done on a continuous basis.

ENVIRONMENTAL MONITORING OF CAMPUS

Observations

- a) The noise level in the campus is within limits.
- b) Illumination by natural lights and ventilation is adequate.
- c) Indoor air quality is within the required limits.

Recommendations :

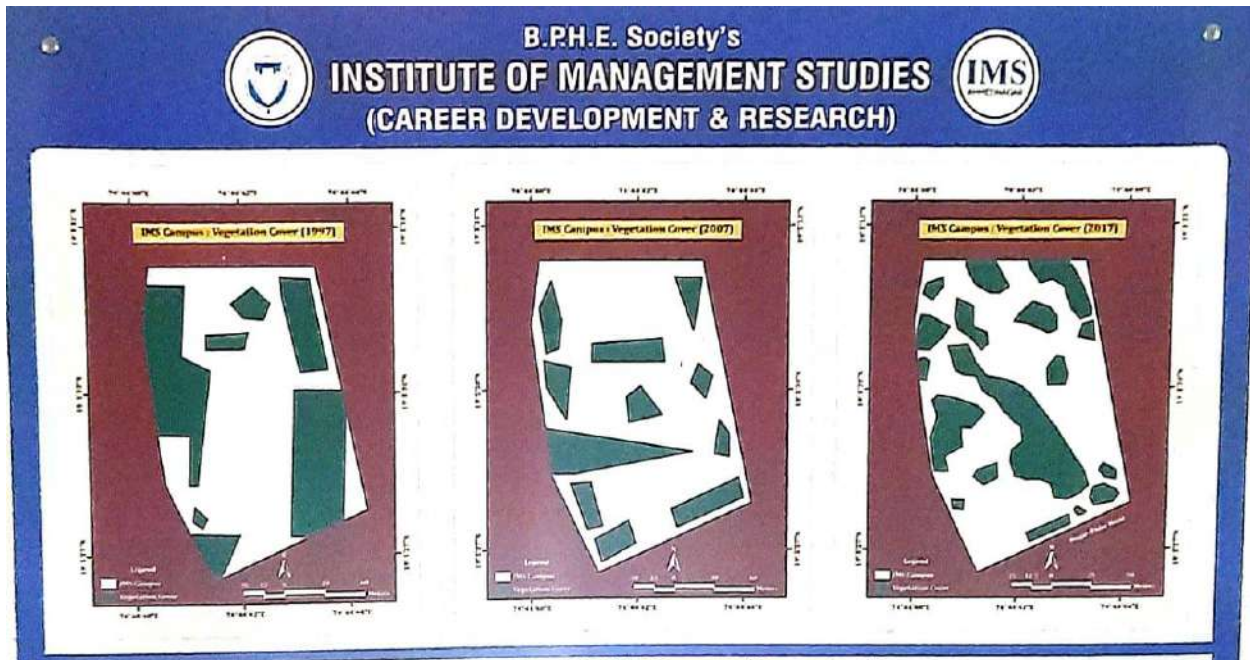
- Some of the Air conditioners(AC) in the computer labs need to be replaced over a period of time. This will ensure reduction in the electricity consumed since the current ACs are in use since a long time and consume more electricity.
- 'No Honking' boards can be put in the campus to create awareness amongst the students regarding noise pollution.
- Students involvement and participation should be further increased to ensure 'Green Campus'

CONCLUSIONS

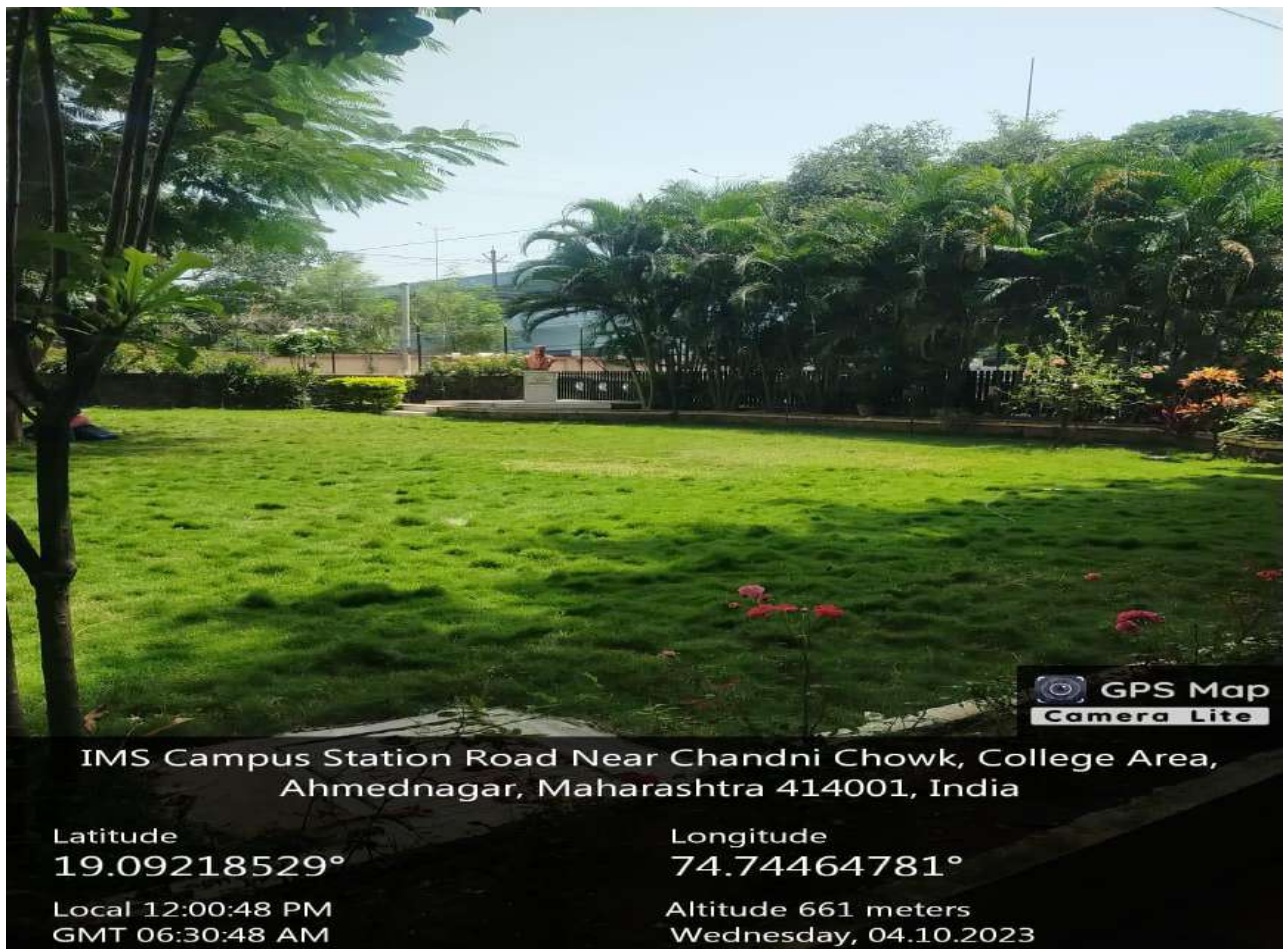
The Institute has taken adequate steps to promote "Green Campus". However, there is always scope for improvement. A special committee consisting of faculty, students and alumni may be setup to recommend further steps to promote environmental protection and awareness amongst the stake holders. New ideas to promote "Green Campus" should be encouraged and rewarded.

Date : 08th January 2021

Sd/-
For ICON INFRATECH
Er. Anwar Shaikh - Consulting Executive



Green Coverage at IMSCD&R



Policy 18: ENVIRONMENT SUSTAINABILITY, WASTE MANAGEMENT AND GREEN INITIATIVES POLICY

- IMSCD&R is dedicated to implement, maintain and improve environmental management processes in the campus in order to reduce its carbon and environmental footprint.
- Institute is committed to maintain a very strict and eco-friendly waste management mechanism and abide by the principle of green protocol.
- Institute acknowledges its responsibilities and obligations to contribute its share in the resolution of local and global environmental issues by minimizing its environmental impact.
- Consciousness about ecological balance and impact of its disorder on sustainability is deeprooted in the ethical framework of the institution.
- Institute has made many efforts to stabilize the up gradation of nature not only in the campus but the selected areas where its extension activities are going on.
- IMSCD&R promotes a plastic free campus through awareness.
- Inspection and maintenance of electronic wires and appliances in time, helps to avoid power wastage.
- Students are motivated to avoid unnecessary use of electricity. Habits of switching off switches of light, fans etc are inculcated through awareness.
- The institute is moving towards the concept of green architecture.
- IMSCD&R preserve the existing trees and plant new saplings.
- The available land have been utilized to the fullest extent in a nature friendly way.

- Students are made aware of the disposal of different categories of waste as per color coding.
- Vermicompost is maintained. The bio-degradable waste is converted into fertilizers.
- The campus is made noise free. Honking of horns is prohibited.
- IMSCD&R motivates Reduce, Reuse and Recycle initiatives and encourages all its stakeholders to reduce individual waste generation as an ethical commitment.
- All institutional activities have to revolve around the principles of plastic reduction and lesser waste generation.
- Use of alternative items instead of plastic to be promoted and make the institution abide by the principle of green protocol.
- Programs which nurture the environment quality and biodiversity protection throughout the region are encouraged to be introduced.
- Steps to be taken for harnessing of solar energy to its maximum by installation of solar energy panel as an alternative source of energy, in the open areas of campus.
- Institute has installed solar energy units in the main building as well as in girls and boys hostels.
- Minimal use of paper to be practiced by using electronic platforms for academic and administrative purposes.
- Rainwater harvesting plant to be installed for collection and use of rainwater in an efficient manner.
- Institute has made its pledge on Green India, Clean India which is taken by the Students & Faculty Member.

- To identify and replace equipment/gadgets such as tube lights, fans, printers, scanners, etc. which are old, outdated and are heavy power consuming.
- Replace incandescent bulbs and tube lights and replace them with energy efficient light bulbs and tubes which consume very less electrical power thereby helping in keeping energy efficient campus.
- Continuously track and monitor energy usage in the campus by conducting energy audit and implement ways to increase energy efficiency wherever possible.
- Institute periodically undertakes and publishes 'Green Audit'.


Dr. M. B. Mehta
Director

IMSCD&R Pledge for GREEN INDIA, CLEAN INDIA

FOR MY BELOVED & GREAT NATION,

I PLEDGE THAT:

- I shall remain committed towards cleanliness as well as protecting the environment. I shall devote time for this commitment.
- I shall initiate this commitment for cleanliness with myself, my family, my locality, my city and my institute.
- I shall segregate my waste in three dustbins- wet waste in Green, dry waste in Blue and reusable in white dustbin. I shall neither litter nor let others litter.
- I shall not spit in the institute premises, public roads and elsewhere.
- I shall not make use of one time plastic bags. I shall not burn plastic, rubber and other materials which pollute the air and environment.
- I shall use electricity with due diligence and not waste electricity. I shall put off the switches whenever not in use.
- I shall reduce noise pollution by not honking in institute premises and on roads except in emergency.
- I shall not pollute the water in wells, lakes & rivers by dumping plastic and other harmful waste material.
- I shall take care of trees & plants and will discourage the cuttings of trees wherever possible.
- I PLEDGE to spread this message of GREEN INDIA, CLEAN INDIA everywhere and to everyone.



Action Taken Report on Green Audit

Green Audit was conducted by ICON INFRATECH, Ahmednagar in the academic year 2022-2023. Following were the recommendations given by the auditing agency.

Recommendations:


1. Institute has installed a T.V. in the common area approachable to all. It is recommended that such TVs be installed on all three floors for more visual display.
2. Use of more trenches is recommended to ensure better rain harvesting. Also the SEEDC building and hostel terrace rain water needs to be harvested and connected to the system.
3. Students especially those newly enrolled should be properly briefed on the importance of the use of dustbins. E-waste should be disposed off more frequently. LED monitors should be installed completely.
4. Ensure better protection and cultivation of trees already planted.
5. E Distribution of cloth bags to students also, so as to cultivate the habit of cloth bags instead of plastic.
6. LED lights should replace some of the tube lights which are pending.
7. E Proper monitoring of the benefits of installing solar panels should be done on a continuous basis.
8. Some of the Air conditioners(AC) in the computer labs need to be replaced over a period of time. This will ensure reduction in the electricity consumed since the current ACs are in use since a long time and consume more electricity.
9. More awareness amongst the students regarding noise pollution and protection of environment should be created.
10. Students involvement and participation should be further increased to ensure 'Green Campus'



As per the report of the auditing agency, the following actions are taken by the institute:

Action taken:

1. Measures are taken to install TV on all three floors for more visual display.
2. Measures are taken for SEEDC building and hostel terrace rain water harvesting.
3. Waste management committee spearheaded by the Director is formed for the proper monitoring of waste management activities in the campus.
4. Institute has started replacing all LED monitors in place of CRT monitors in phased manner.
5. Institute has started distributing cloth bags to students instead of plastic bags.
6. Measures have been taken to better protect trees that have already been planted.
7. Tube lights are replaced by LED lamps
8. Measures for creating more awareness amongst the students regarding noise pollution and protection of environment have been taken.


(Dr. M.B. Mehta)
Director, IMSCD&R



Action Taken Report on Energy Audit

Energy Audit was conducted by S. K. Electrician and Multiservices, Ahmednagar in the academic year 2021-2022. Following were the recommendations given by the auditing agency.

Recommendations:

1. 100% replacement by LED monitors should be done in place of CRT monitors.
2. All regular bulbs and tubes should be replaced with LED bulbs.

As per the report of the auditing agency, the following actions are taken by the institute:

Action taken:

1. Institute has started replacing all LED monitors in place of CRT monitors in phased manner.
2. Tube lights are replaced by LED lamps.

A handwritten signature in black ink, appearing to read 'Dr. M.B. Mehta'.

(Dr. M.B.Mehta)

Director, IMSCD&R



Action Taken Report on Energy Audit

Energy Audit was conducted by S. K. Electrician and Multiservice, Ahmednagar in the academic year 2021-2022. As per the report of the auditing agency, the following actions are taken by the institute:

- Maintenance work carried out for solar panels installed both at the main building and the hostels
- Institute has started replacing all LED monitors in place of the CRT monitors in phased manner.
- Tube lights are replaced by LED lamps
- Maintenance work carried out for generator installed


(Dr. M.B.Mehta)

Director, IMSCD&R

7.1.2

1. Alternate Source of Energy and Energy Conservation Measures



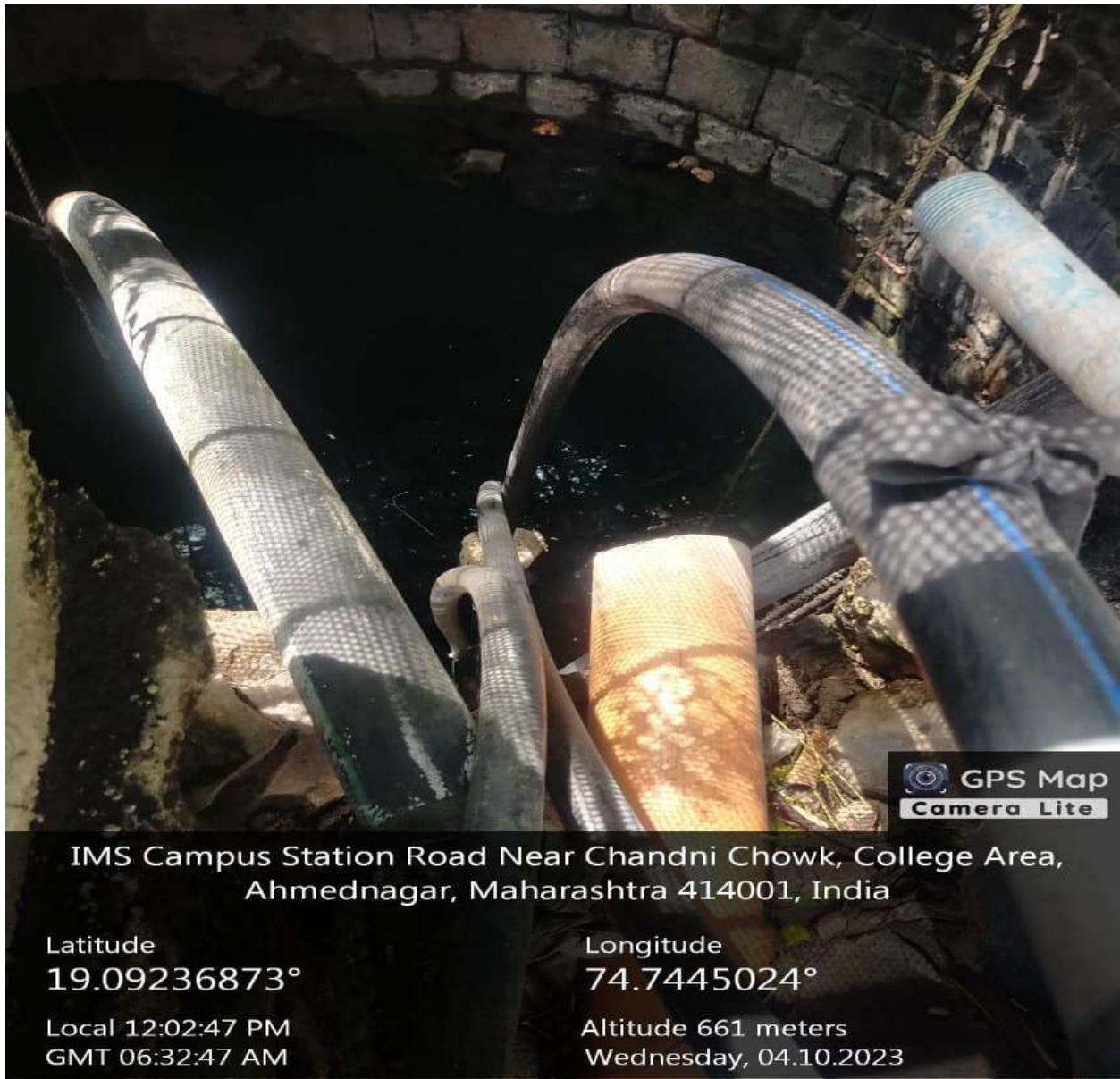
Solar Panel for Electricity Generation (Capacity 10 KW)

2. Management of the various types of degradable and non degradable waste



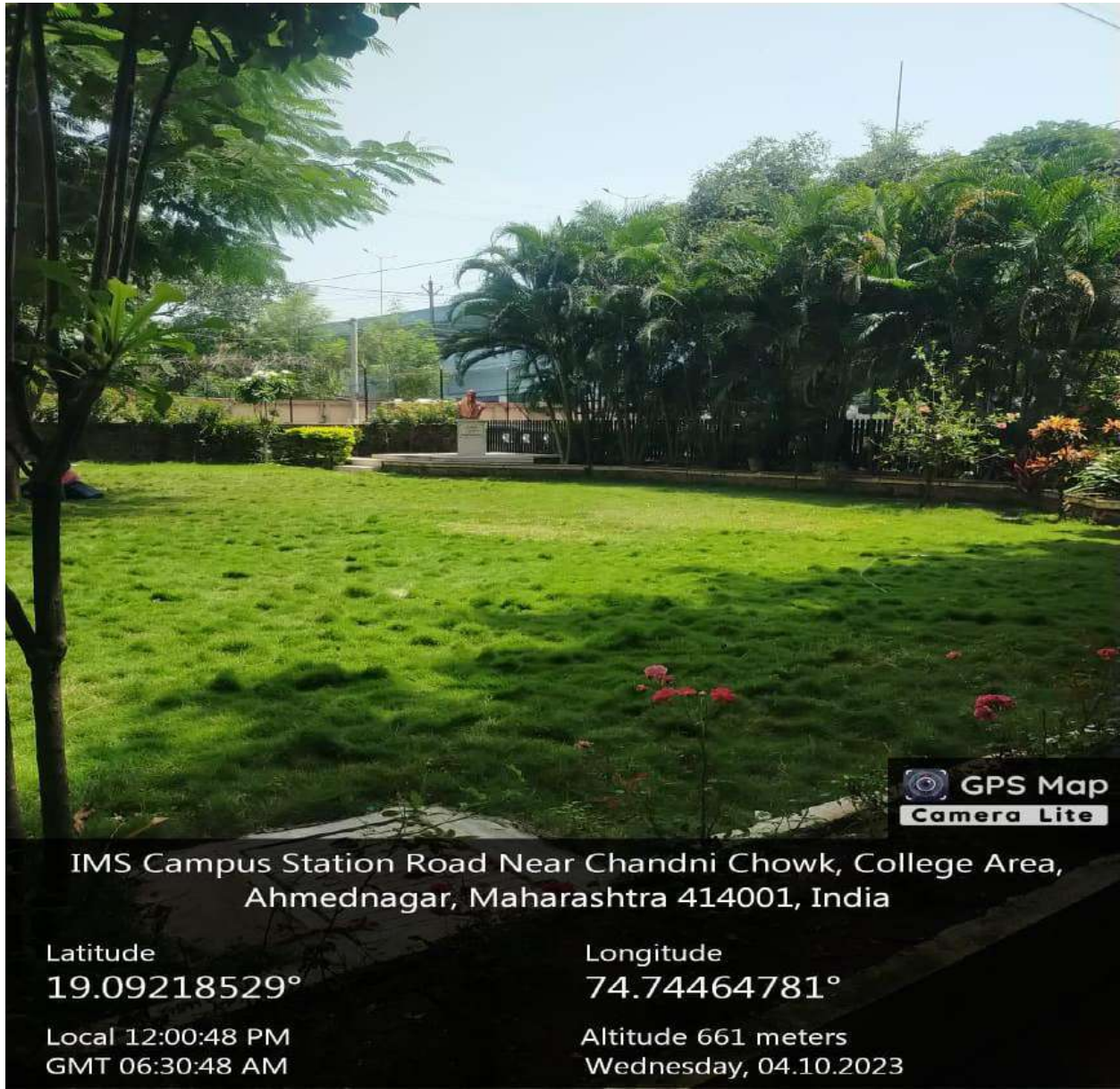
Colour Coded Dustbins for Dry Waste, Wet Waste and Recyclable Waste

3. Water Conservation



Rain Water Harvesting Facility

4. Green Campus Initiatives



Garden Facility



Green Campus Clean Campus Board

(No Plastic, No Honking, No Spitting)

5. Disabled-friendly, barrier free environment



Disabled Friendly Ramp

Wheel Chair for Disabled

