



Success... through  
quality education !

H. J. Thim Trust's

# Theem College of Engineering

Approved by AICTE (New Delhi), Government of Maharashtra & DTE  
Affiliated to University of Mumbai & MSBTE

"A NAAC Accredited Institute"

Village Betegaon, Boisar Chilhar Road, Boisar (East), Tal. & Dist. Palghar - 401 501.  
Tel.: 7769916109 ● Telefax : (02525) 284 927 ● Email : info@theemcoe.org ● Website : www.theemcoe.org

Ref.no:- TCOE/EST/2023-24/317

Date: -14/03/2024

## 7.1 Institutional Values and Social Responsibilities

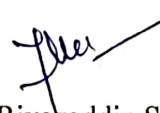
**7.1.3. Quality audits on environment and energy are regularly undertaken by the institution. The institutional environment and energy initiatives are confirmed through the following.**

**Subject: Details of Quality Audits on environment and energy regularly undertaken by institutions.**

**Reference: 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 - Green audit/Environment audit, Energy audit, clean and green campus initiatives, beyond the campus environmental promotional activities.**

With reference to the above subject, the following detailed summary of annual Green & Energy Audit .The details/photographs of the activity is enclosed.



  
Dr. Riyazoddin Siddiqui  
**PRINCIPAL**  
THEEM COLLEGE OF ENGINEERING  
Boisar (East). Tal. & Dist. Palghar-401 501

Enclosures:

1. Summary Report on Environmental Promotional activities conducted beyond the campus
2. Policy Document on Environment & Energy Usage.
3. Green & Energy Audit Report.
4. Clean and green campus initiatives.
5. beyond the campus environmental promotion activities.
6. Certificate & Award received.

Admn. Office : 310, Yusuf Building, Veer Nariman Road, Fort, Mumbai - 400 023.  
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# H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

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## Criteria-7 Institutional Values and Best Practices

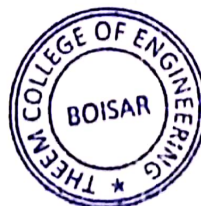
### 7.1 Institutional Values and Social Responsibilities

#### Key Indicator 7.1.3:

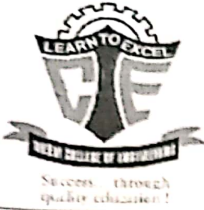
Quality Audits on environment and energy regularly undertaken by institutions. The institutional environment and energy initiatives - Green & Energy Audit, Clean & Green Campus and Beyond Campus initiatives.

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**1. Summary Report on Environmental  
Promotional activities conducted  
beyond the campus.**



# H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

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**7.1.3: Quality Audits on environment and energy regularly undertaken by institutions. The institutional environment and energy initiatives are confirmed through the Following :**

## **Beyond the Campus initiatives :**

The institution has following Initiatives-

### **1. Swachata Abhiyaan:**

The Swachh Bharat Abhiyan is the most significant cleanliness campaign by the Government of India. Shri Narendra Modi led a cleanliness pledge at India Gate, which about thirty lakh government employees across the country joined. He also flagged off a walkathon at Rajpath and surprised people by joining in not just for a token few steps, but marching with the participants for a long way.

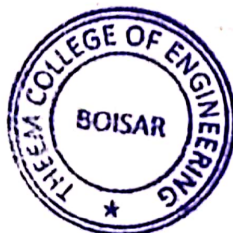
In this activity our institute has organised a Beach Cleaning activity. In this NSS committee, students were supposed to go to the beach for cleaning, they took all the garbage on and nearby beaches to make awareness about cleaning. Our Students have Participated in the cleanliness drive organised by the institution under the programme 'Swachh Bharat Abhiyan'. Students cleaned the beaches and raised the slogan 'One step towards cleanliness'. The NSS volunteers participated in creating awareness among the public, informing them about the importance of cleanliness.

### **2. Anti Plastic:**

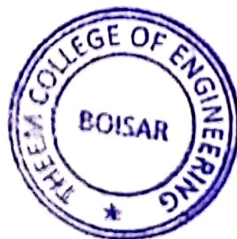
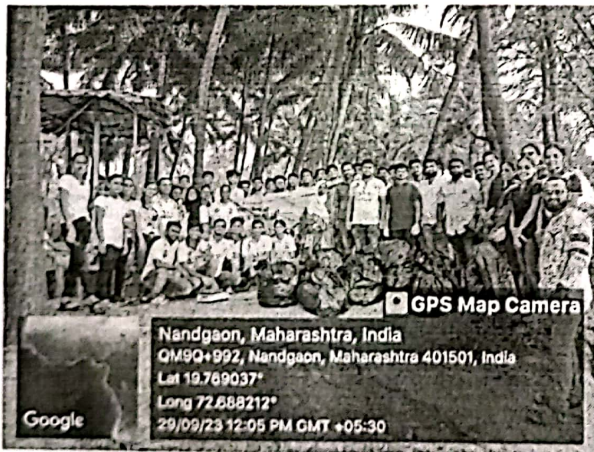
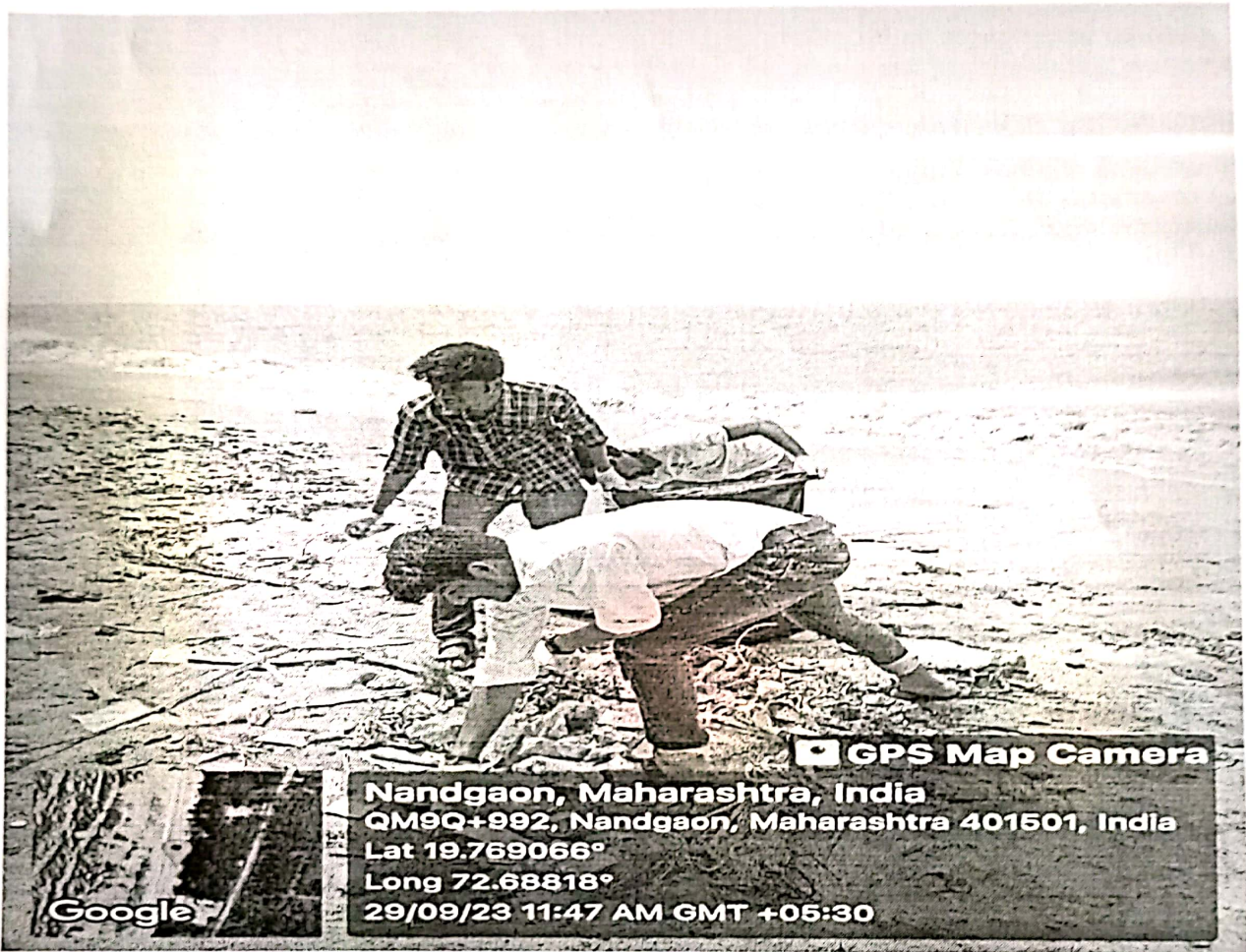
For this our institute uses boards and labels as a title "Say no to Plastic" In this activity our institute has organised Various activities like Rally, marathon, Street play to make society aware about how harmful plastic is for the environment.

### **3. Tree Plantation:**

In this we do plantation, Tree plantation is very necessary because trees provide oxygen to the environment and make the air quality better. If more trees are planted, then the world's environment will become a safer place to live in. Tree plantation also reduces pollution, thus making the life of future generations secure.



## Beach Cleaning Activity: Garbage Collection & Sorting:

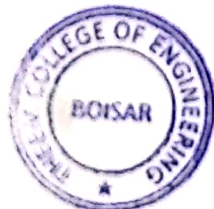




Say No to Plastic Board



Photos of Tree Plantation activity



## **2. Policy Document on Environment & Energy Usage.**



H. J. THIM TRUST'S  
**Theem College of Engineering**

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**Policy Document of Environment & Energy Usage**

**About College:**

**Theem College Of Engineering** (Theem COE) is promoted by the H.J.Thim Trust, which has been founded to educate and empower the youth who play a decisive role in shaping the destiny of the nation. The College is located at Boisar (East) in serene and tranquil surroundings and was established in the year 2009 with an objective to impart quality education to students in the field of Technology. Theem COE has emerged as the only Premier Engineering College in Boisar.

**Vision:**

To become a Centre of Excellence in Technical & Professional Education.

**Mission**

1. To commit to high standards in technical and professional education.
2. To impart quality professional education through ICT initiatives and project-based learning.
3. To nurture technocrats and professionals with ethics and human values

**Environment and Energy Usage Policy:**

The Environment and Energy usage Policy for the institute is to manage Waste products such as solid Waste liquid waste as well as energy utilization in such a way so as to minimize its impact on the environment. The policy implies to explore the waste management to reduce degradable Waste in police renewable energy resources to reduce the burden of the government and to find out alternate resources as solutions.

This environment and energy policy for the institution and applies in various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources. The college regularly conducts green literacy programs to save energy and to protect the environment. Taking into account the necessity of protecting the environment for a sustainable, pollution-free and healthy life.

**Awareness Programmes:**

To Create awareness about environmental issues by organizing Events, Rallies, Awareness Campaigns, Cleanliness Drives, Seminars, Workshops, presentations, Tree Plantation Drives, Amrut Mohotsav, Swachata Abhiyan, Campus Cleaning program and beyond campus activities like beach cleaning, marathon related to anti plastic & go plastic free, rally and street play to make awareness about how important environment safety is for saving world.





This environment and energy policy is binding for all the components of the institution and applies to all its stakeholders and to the various activities undertaken by the institution. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

To make students and staff aware about raising voice against the hazardous practices destroying Nature and promote environment friendly practices among the society.

**Implementation:** The Institution is committed to managing its campus in accordance with its environment and energy usage Policy by establishing the following infrastructure and carrying out the following activities:

- **Solid Waste Management:**

The institute has a Solid Waste Management system at three locations where 6x4x3 feet 3 containers are fixed for dumping solid waste. All waste such as waste paper, food and material are refined and made ready in advance organic fertilizer. The valued generation of solid waste in the campus is approximately 3 to 5.5 kg per day from all the departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.

- **Liquid Waste Management:**

The Liquid Waste of the campus has provision of septic tanks with an anaerobic environment in the tank which decomposes the waste discharged into the tank. The plumbing wastewater is assembled from different places to the septic tank. The Cleaning of Septic tanks is done regularly by municipal sludge gathering vehicles. Hazardous Chemicals are kept separately in the laboratory away from the students' reach. Students are made conscious of the hazardous chemicals before utilizing the chemicals.

- **E-waste Management:**

E-waste of the college is given to the authorized dealers like scrap buyers. They check the useful components of computers like motherboards, SMPS, RAM and reuse it. MOUs have been done between college and the vendors for managing the repair of and various electronic components and refilling of printer cartridges.

Rainwater Harvesting

Septic Tank

Hazardous Chemical Waste Management

Composting

Different Dustbins for Wet and Dry Waste

- **Renewable Sources of Energy:**

Solar Based Street Lights in the College

Eco-friendly energy sources, like LED lighting

- **Environmental Awareness:**

Tree Plantation

Display Boards to Promote Environmental Sensibility on College Campus

Plastic-free Campus

Clean Campus Initiatives

This policy will be communicated to the student and employee via awareness programme and activities. Environmental energy policy will be reviewed on a regular basis by the Institute.

Dr. Riyazoddin Siddiqui

Principal  
**PRINCIPAL**

**THEEM COLLEGE OF ENGINEERING**  
Boisar (East), Tal. & Dist. Palghar-401 501



Dr. N. K. Rana

**DIRECTOR**

**THEEM COLLEGE OF ENGINEERING**  
Boisar (East) Tal. & Dist. Palghar-401 501



### **3. Green & Energy Audit Report.**



**A**  
**Green Audit Report**  
**of**  
**Theem College of Engineering,**  
**Boisar**

For the year

**2022-23**

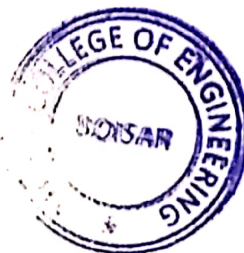
**Submitted**

**By**

**External Audit Team**

Mr. Mahendra Kale

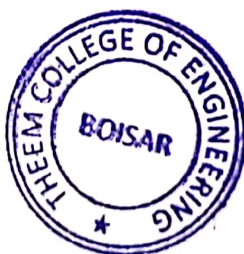
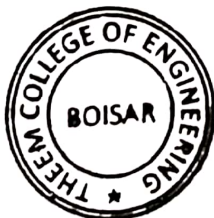
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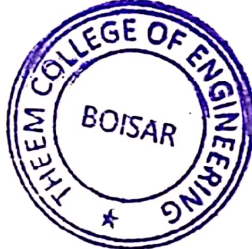
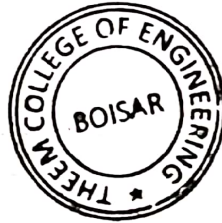
## Green Audit Report- 2023

This is to certify that Theem College of Engineering has satisfactorily handled the environmental (Green) audit for the college covering all the details in accordance with the required norms for the year 2022-23.

The audit shall assist them to develop measures to save the environment and its individual units.



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## Preamble

The rapid environmental degradation at local, regional and global level is real, which is leading us to global "Environmental Poverty". Stabilization of human population, adoption of environmentally sound and sustainable technologies, reforestation, and ecological restoration are crucial elements in creating an equitable and sustainable future for all humankind in harmony with nature. Thus, academic leaders must initiate and support mobilization of internal and external resources and knowledge so that their institute responds to environmental challenges.

Theem College of Engineering, Boisar is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reserves the trends. We deeply subscribe to the fact that humans should be steward of Mother Nature and that we all have a profound responsibility to protect the earth's resources in perpetuity. Being a premier institute of higher learning, has resolved to play a major role in the education, research, policy formation, and information exchange necessary for a sustained environmental campaign.

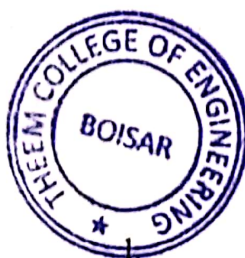
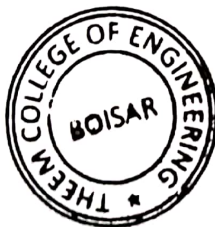
The current environmental audit represents the first stage in our efforts to build environmental sustainability on the campus. The audit was conducted by a team of faculty lead by Prof. Faiz Khan. We have conducted this audit for the college to create awareness among not only students but also staff and stakeholders about avoiding engagement in non-eco-friendly activities. We desire to make these activities as a regular part of functioning.

The overall goals of this audit were:

- To introduce students to real concern of environment and its sustainability using the Theem College of Engineering, as a study site.
- To analyze the pattern and extent of resources use on the campus.
- To make the college a more environmentally sustainable institution of higher learning.
- To bring out a status report on environmental compliance.



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## About the Theem College of Engineering, Boisar

Theem College Of Engineering (Theem COE) is promoted by the H.J.Thim Trust, which has been founded to educate and empower the youth who play a decisive role in shaping the destiny of the nation.

The College is located at Boisar (East) in serene and tranquil surroundings and was established in the year 2009 with an objective to impart quality education to students in the field of Technology. Theem COE has emerged as the only Premier Engineering College in Boisar with an overall intake of 540 students in various fields of engineering.

### *Vision*

To become a Centre of Excellence in Technical & Professional Education.

### *Mission*

1. To commit for high standards in technical and professional education.
2. To impart quality professional education through ICT initiatives and project based learning.
3. To nurture technocrats and professionals with ethics and human values

### *Quality Policy*

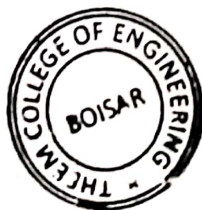
To pursue global standards in all our endeavors namely - teaching, skill-empowering, ICT initiatives and project based learning through continuous processes with self-evaluation.

### *Quality Objectives*

- To follow the conformity of the regulatory requirements of Mumbai University, Govt. of Maharashtra, AICTE, DTE, MSBTE, NAAC and NBA.
- To continue the improvement of teaching aids with modern tools and learning facilities.
- To enhance employability through school finishing initiative.
- To organize Industry Institute Interaction Program, Seminars and STTP for knowledge enhancement and skill-empowerment.
- To monitor academic quality improvement to ensure the earliest corrective action in the event of any non-conformity.
- To measure success in university examinations and overall students' placement through campus interviews.
- To engage stakeholders through social, ethical and community service activities.



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## Audit Team

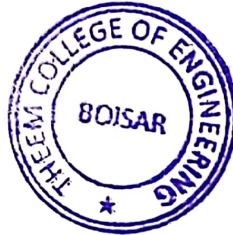
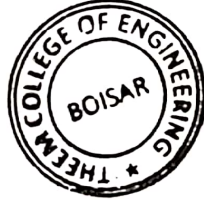
### External Audit (Expert) Team Members

| Sr. No. | Name of Auditors  | Designation |
|---------|-------------------|-------------|
| 1       | Mr. Mahendra Kale | Proprietor  |

### Internal Audit Team Members

| Sr. No. | Name of Auditors    | Designation         |
|---------|---------------------|---------------------|
| 1       | Prof. Faiz Khan     | Assistant Professor |
| 2       | Prof. Iqbal Mansuri | Assistant Professor |
| 3       | Prof. Krupa Pimple  | Assistant Professor |

  
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## Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development. Theem College of Engineering, Boisar is intensely concerned and totally believes that there is an urgent need to address these basic problems and reverse the trends. Being a leading institution of higher learning, the college has initiated, the purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. With this in mind, the specific objectives of the audit were to evaluate the adequacy of the management control framework of Environment Sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards.

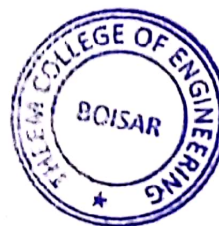
**Environmental Sustainability** is essential for well-being of a society. The institute keeps its best practices under “Green Practice” in its premises. The “Rainwater harvesting” project was accomplished by final year students of Civil Engineering and it is functional in charging campus bore well and even ground water in subsequent land. **Solar and LED power projects** are also taken up in the premises. The other sustainable activities like **Solid Waste Management, Liquid Waste Management, E-Waste Management, Plastic Free Campus, Dry Agro Waste Conversion, Tree Plantation Drive** for controlling Air-Pollution and better environment, and “Swachh Bharat Mission” in the premises as well as nearby areas.

College is adopting zero waste discharge facility to manage the solid, liquid and e-waste.

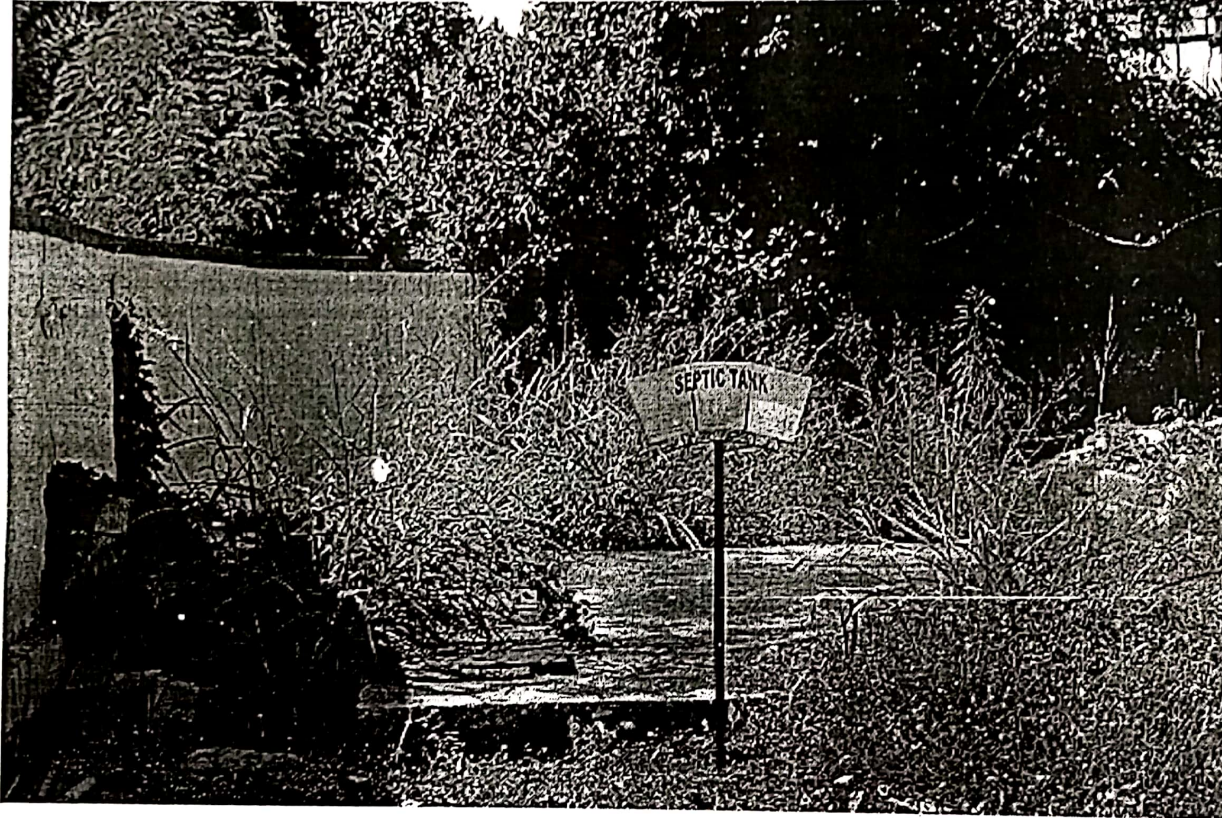
**Solid waste management:** The campus has solid waste management at 3 locations which contain 3 steel-cages of 6x4x3 feet capacity in operation for dumping solid waste. Green and garbage waste like waste food, waste paper and waste material of all the departments are processed and converted for preparing organic fertilizer. The estimated generation of solid waste in the campus is approximate 3 to 5 kg per day that is collected by sweeper and workers from various departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.



  
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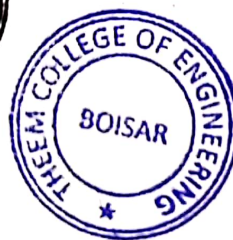


**Liquid waste management:** The institute is equipped with septic tanks, the term “septic” refers to the anaerobic environment that develops in the tank which decomposes or mineralizes the waste discharged into the tank. The plumbing wastewater is collected from various places like - washbasin, toilet, water cooler, kitchen basin, etc. and conveyed to 16m x 10m x 3m size septic tank. Cleaning of Septic tank is done regularly by municipal sludge collecting vehicle. Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals.

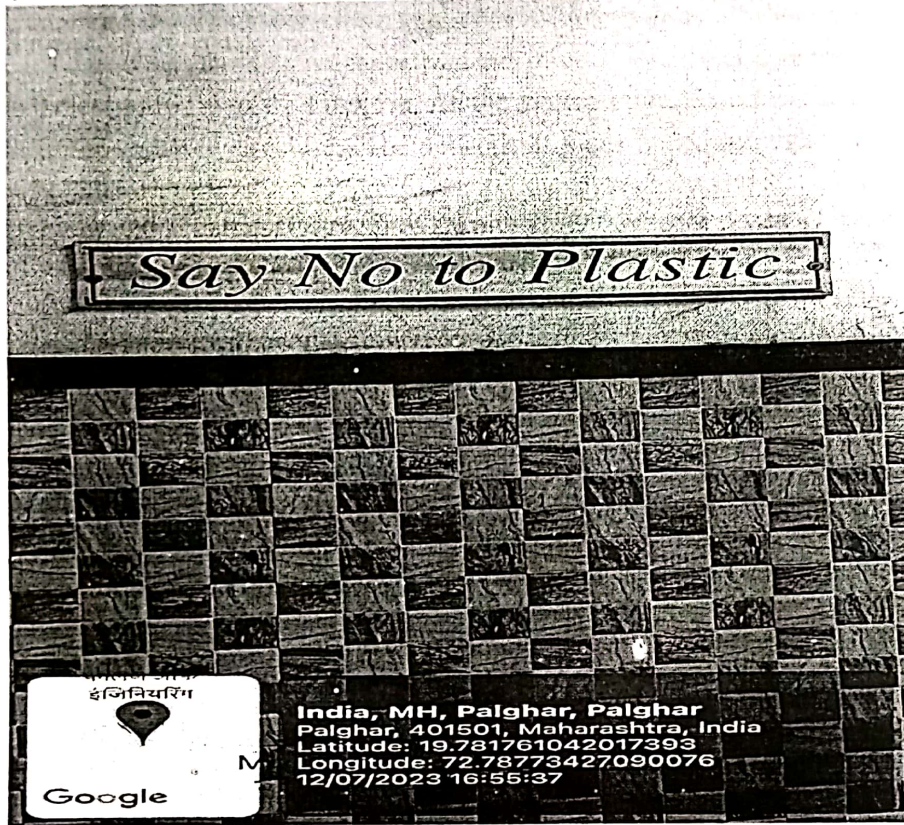


**E-waste management:** The generated e-waste is given to the authorized dealers who purchase the scrap and reuse the useful components. The computer which is under maintenance is checked for useful parts like motherboards, SMPS, RAM for reuse. The MOUs has been done between the college and the vendors for managing the repair of and various electronic components and refilling of printer cartridges.

  
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**Plastic Free Campus:** The institute's campus is plastic free. Faculty members and student coordinators from all departments conducted the Anti-Plastic Awareness Campaign on 5th March 2020 at college. The motto of the event was creating awareness of plastic's adverse effects on the environment and informing students with the most updated information about the anti-plastic issues. Students prepared posters with "Say No to Plastics" messages and slogans and they were displayed on the walls of the lobby of every department as well as in canteen.



**Paperless Office:** Teaching faculties and students of the institute are using WhatsApp that provides a channel through which teachers can achieve faster and more seamless communication with their students. It can also increase the level of communication among students and create another venue for learning.

**Education Strategies for WhatsApp in the institute:**

Here are some basic strategies that educators utilize to take advantage of the core abilities of WhatsApp:

1. All notices, circulars, examination time-table and duty charts are circulated using WhatsApp group Of HODs and each department's group.
2. Use the group chat feature to create learning and study groups.
3. Create audio lessons that can be sent directly to students.
4. Stay in contact with students outside the classroom.
5. Send out problems or assignments to students even when they are not in class.
6. Stay in contact with parents.
7. Send graphics such as pictures or charts directly to students.
8. Send report cards directly to the parent's phones.
9. Facilitate real-time communication between students and teachers.

  
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6



## Rain water harvesting structures and utilization in the campus

Rainwater Harvesting which is labeled as a Green Practice is important for friendly approach environment which has the double benefit in both keeping the groundwater table undisturbed and charging the aquifer. The campus has Rainwater Harvesting Structure through which we get a huge amount of water in free of cost with better quality as well whenever there is a downpour. Rainwater harvesting system ensures that our bore-wells are always kept recharged and hence the campus has not felt scarcity of water for many years. The runoff from the terrace of the college building is channelized into three different recharge wells located at three different locations, each measuring 1.6 m x 1.3 m x 2m. All the rooftop rainwater outlets discharge into storm water drains and then to the recharge structures. The network of pipes linked through chambers takes the rainwater to the recharge tanks.

To facilitate groundwater recharge, all structures are provided. Tank capacity of 4160 liters is installed for proper filtration of harvested water. The conserved water will be used for cleaning, washing, gardening, etc. The received rainwater from the roof flows forcefully at very low line area behind canteen through the trench. This water is transferred to open well area through the soak pit and further the institute is trying to place a surface filter.

Rainwater captured and harvested as below:

Roof Top Area = 2399.80 sq. meters (degree building)

2196.40 sq. meters (diploma building)

414.14 sq. meters (canteen)

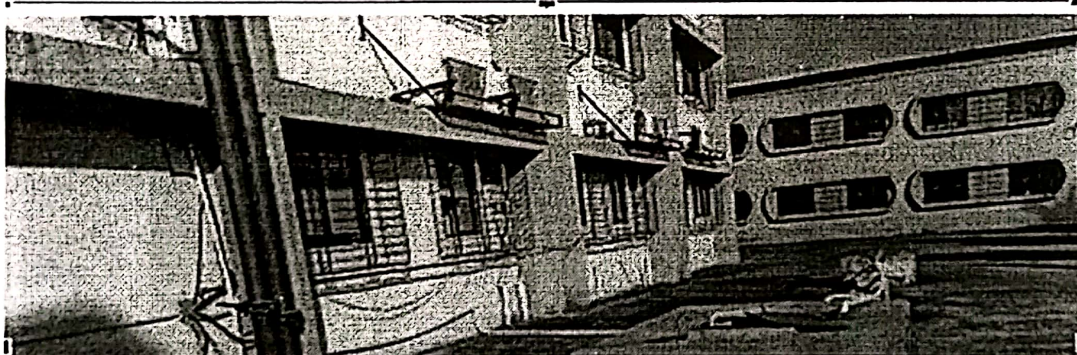
Open space adjacent to buildings = 2320.10 sq. meters

2435.07 sq. meters (Civil ground and area behind new building)

414.52 sq. meters (Area in front of diploma building)

558.79 sq. meters (Area in front of degree building)

11485.94 sq. meters (Ground)



Latitude

19° 46' 50.51856" N

City & State

Maan, Maharashtra

Known Place

null

Postal Code

401501

Longitude

72° 47' 13.92756" E

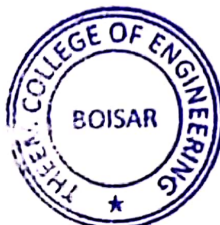
Country

India

Date & Time

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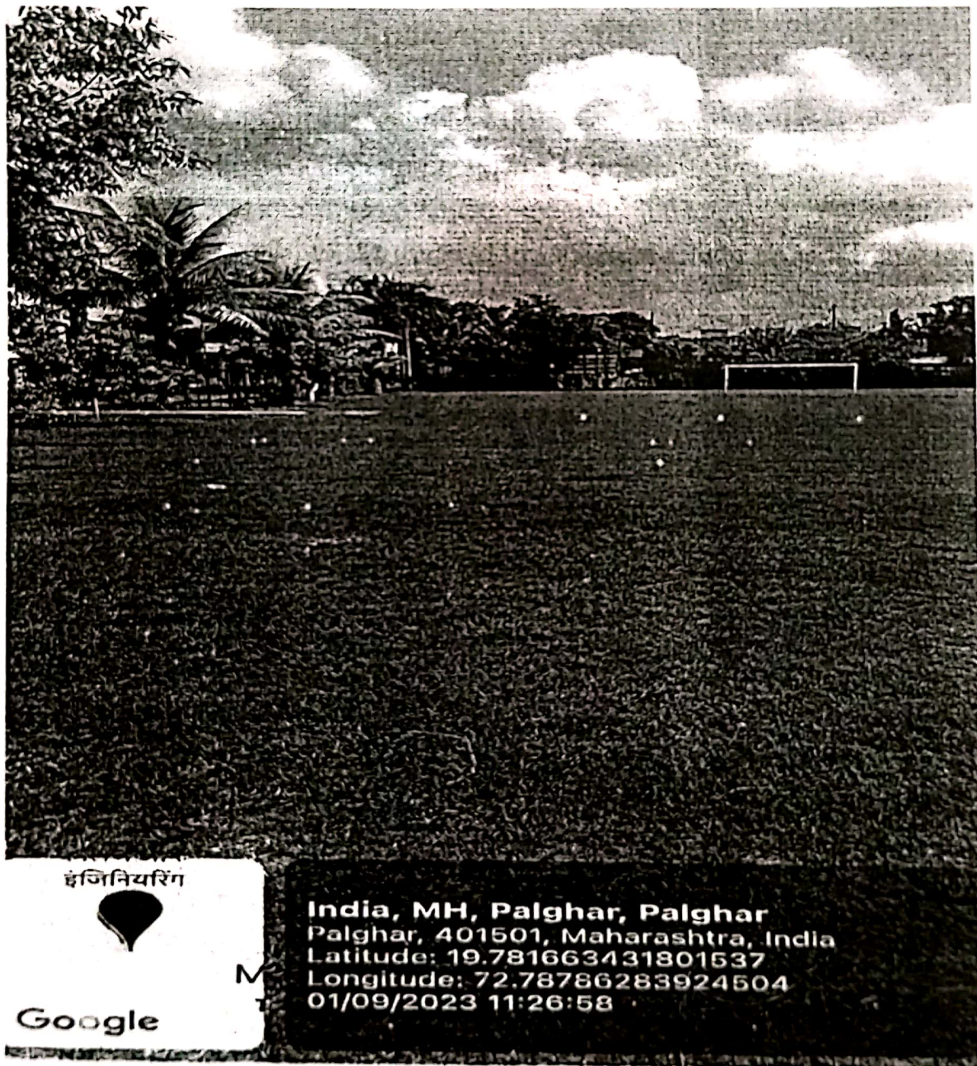
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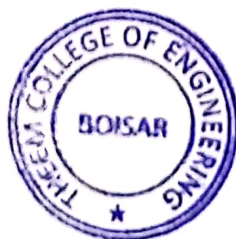
### Green Landscaping with Trees and Plants:

Colleges willingly accepted the green practices and strictly follow them. The college conducts campaign for students and faculty to understand the importance of environmental protection and be mindful about saving energy. The authority frequently appeals to the students and faculty to maintain the tradition of no vehicle day on Saturday. Tree Plantation is one of the most ambitious initiatives of the institute. Tree plantation activity is conducted at the national festivals - *Independence Day* and *Republic Day* in the campus and maintained very well throughout the year.

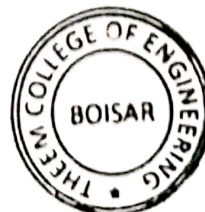
The institute has taken a mandate of planting 1000 saplings to increase the greenery across the campus as well as surrounding of Boisar. Till now, 200 saplings are planted. The institute has a botanical garden with lots of herbal and medicated plants situated adjacent to Theem Maker's Vector Workshop.



  
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## Statement of Assurance

The audit has been conducted in accordance with the standard procedures for the professional practice of internal auditing.

In our professional judgment, sufficient and appropriate audit procedures were completed and evidence gathered to support the accuracy of the conclusions reached and contained in this report. The conclusions are based on a comparison of the situations as they existed at the time of the audit with the established area.


## Methodology of Audit

In order to meet its objectives, this audit combined physical inspection with review of relevant documentation and interactions with departmental staff members and students.

- Review of the Documentation: For the purpose of this audit Green audit frame work was reviewed.
- Interviews: Interviews were conducted with the principal, departmental faculties and students.
- Physical Inspection: The audit team was conduct physical observation in the college campus to inspect the green practices.

## Summary of Findings

The main findings of the audit show that, all the department staff and students are aware about the needed for environmental protection at a general level. It was also observed that a number of best practices such as maintaining the collection of waste separately, introduce rain water harvesting to new building structures, implementing plastic free campus etc. are followed in the college premises.

  
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## Audit framework and detailed findings

The following audit framework is used for conducting Green Audit in 2021-22. The frame work also lists the finding and also observations for every criterion.

- **Waste Generation and Management**

**Objective:** Maximize the waste recycled and minimize the quantity of non-recycled refuse.

**Activity:** Segregation of waste

**Audit Observation:** Waste Material is segregated as per category like Paper, Cardboard, Scrap Wood, Scrap Metal, Plastic scrap, glass, laboratory rags etc. Each waste is stored at departmental level and periodically sending to other purposes.

| Type of waste    | Audit Observation  |
|------------------|--|
| Paper Waste      | <ul style="list-style-type: none"> <li>• One side rough paper is used for the printing of Notices, Time Tables etc. in each department.</li> <li>• Waste papers are sending for shredding to prepare thread and card sheet.</li> <li>• Email and Mobile media communication is used for minimize the use of paper.</li> </ul>  |
| Plastic waste    | <ul style="list-style-type: none"> <li>• Plastic bottles, caps and other waste material are stored separately at departmental level and sell as a scrap material</li> </ul>  |
| Electrical Waste | <ul style="list-style-type: none"> <li>• Electrical waste like damaged electrical board, switches, cut wires are collect by electrician and replace this with new one and remaining wastage is sold as scrap.</li> <li>• Electrical waste related to computer, key boards, and mouse is collect by Computer science department for repairing and replaces the damaged one and remaining wastage is sold as scrap.</li> </ul> |

- **Waste Generation and Management**

**Objective 1:** Collection of waste.

**Activity:** Students as well as faculties of different department concern about waste collection. They do not throw the paper waste in the surrounding premises of college campus.

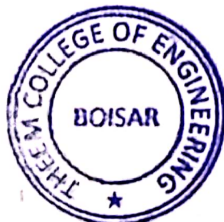
**Audit Observation:** Proper dustbins are provided to each department. Also 2 large (Steel and plastic) dustbins are install at various location in the college campus for collection of waste including administration office, college canteen, near garden etc.

**Objective 2:** Plastic free Campus.

**Activity:** Motivate students about harm of plastic carry bags and items to convince them for no use of plastic in college premises.

**Audit Observation:** To aware all students as well as faculties of different department about "Say No to Plastic" in college campus, awareness boards are display at various location in the college campus.

  
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**Objective 3: Management of Garden Waste.**

**Activity:** Installation of compost pit.

**Audit Observation:** The collected wastes from garden, debris, leaf litter are collect dumped into compost bins to prepare the compost manure from the waste.

● **Water conservation**

**Objective 1: Water conservation.**

**Activity:** Rain Water Harvesting

**Audit Observation:** Rain water harvesting facility is provided to main building and new COE buildings.

**Objective 2: Water Saving.**

**Activity:** Water Audit

**Audit Observations:**

1. The storage (overhead/underground tank) checked periodically for any leakage.
2. The water taps were checked periodically to prevent from any leakage.
3. The leakage taps are periodically replaced by new one.

● **Energy Consumption (Electrical Energy & Fuel Energy)**

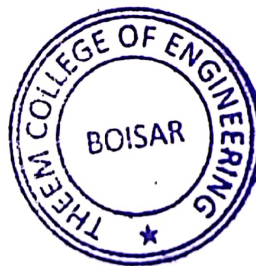
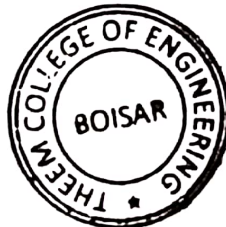
**Objective 1: To save the electrical energy.**

**Activity:** Use of LED and solar panels.

**Audit Observation:** Solar and LED power projects are also taken up in the premises.



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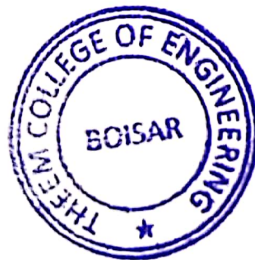
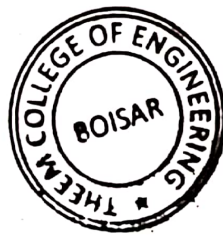
**Objective 2:** To save the fuel energy.

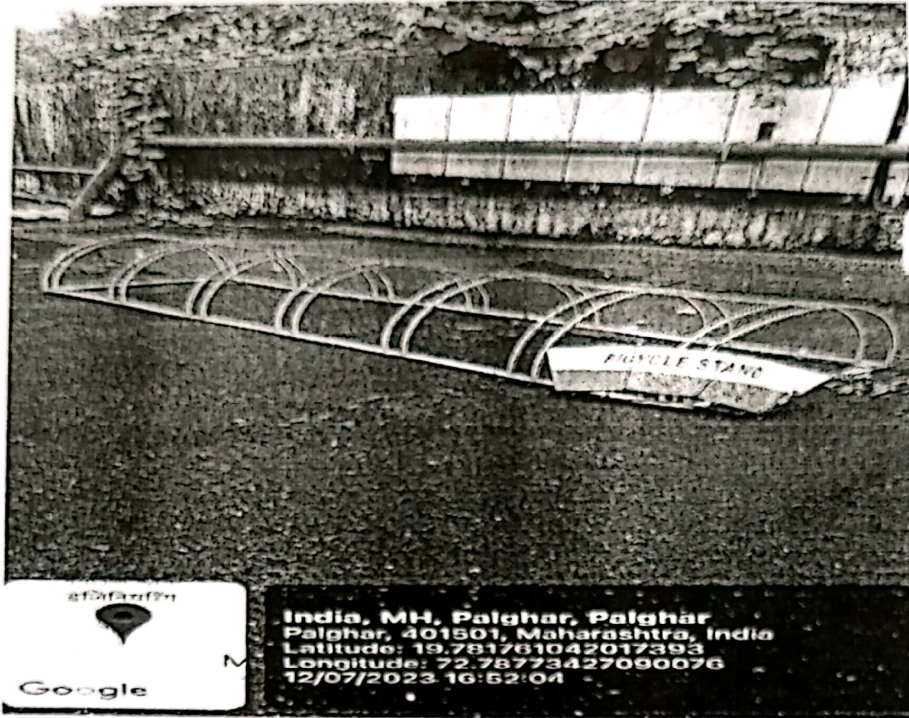
**Activity:** Motivate to students and faculties for reduce the use of vehicles in college campus.

**Audit Observation:**

A) **Bicycle:** The institute's security guards as well as some students uses the bicycle to attend the college and they park it at cycle stand.

  
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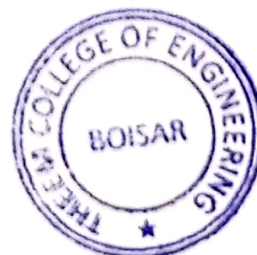
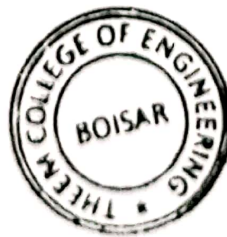




B) **Public Transport:** Most of the staff and students use college bus transport service in both routes such as Chitralaya to college, Tata Housing Society to College, Railway station to college. The outstation staff and students use railways to reach Boisar.



  
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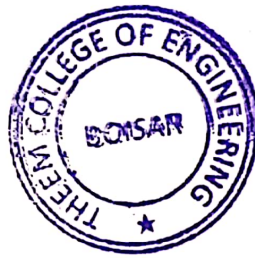
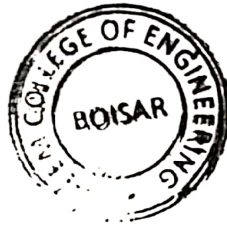
- **Green Campus**

**Objective:** To increase the Green Cover within the college campus.

**Activity:** Establishment of botanical garden, Green House and Shade Net House

**Audit Observation:** The institute maintains its campus with clean air, water, and greenery by following green and sustainable practices. The entire campus is well maintained with a rich collection of trees and plants that make the environment carbon dioxide free and to maintain inmate's good health.

  
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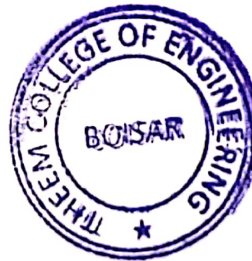
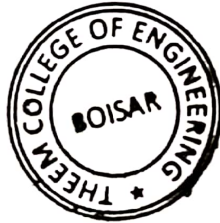
## Recommendations

Following the audit, several recommendations were made to the college authority by external audit team.

| Sr. No. | Criteria          | Recommendations   |
|---------|-------------------|---|
| 1       | Paper Use         | Use email communication for Internal/departmental notices to minimize the use of paper  |
| 2       | Lighting (Energy) | Use LED light instead of regular tube light to conserve the Electricity.  |
| 3       | Vehicles          | Monitoring the PUC of every vehicle within the campus at least once in a year to minimize the vehicular pollution load.   |
| 4       | Energy (Fuel)     | <ol style="list-style-type: none"><li>1. Maintain the record of Diesel used for DG set.</li><li>2. Control the use of DG set as per requirements only.</li><li>3. Monitoring the function of DG set by external party regarding consumption of fuel and working efficiency.</li></ol> |



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An  
**Energy Audit Report**  
of

**Theem College of Engineering,  
Boisar**

For the year

**2022-23**

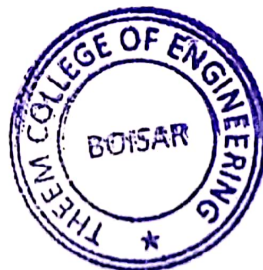
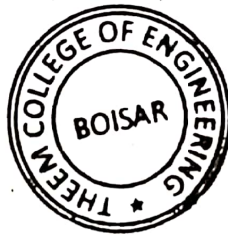
Submitted by  
**External Audit Team**  
**Mr. Mahendra Kale**  
**(Proprietor)**



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| 9       | Study of Percentage of Lighting Power Met by LED Lights |

  
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## Audit Team

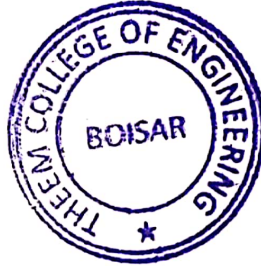
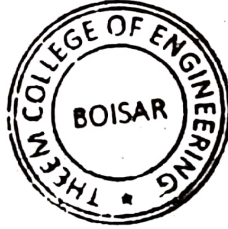
### External Audit (Expert) Team Members

| Sr. no. | Name of Auditors  | Designation |
|---------|-------------------|-------------|
| 1.      | Mr. Mahendra Kale | Proprietor  |

### Internal Audit Team Members

| Sr. no. | Name of Auditors   | Designation         |
|---------|--------------------|---------------------|
| 1       | Prof. Raees Shaikh | Assistant Professor |
| 2       | Prof. Naeem Shaikh | Assistant Professor |
| 3       | Prof. Payal Gadgil | Assistant Professor |

  
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## Executive Summary

The department of Electrical Engineering presents the important observations and measures of various field measurements and analysis to reduce the Energy Consumption.

1. **Theem College of Engineering, Boisar** consumes Electrical Energy in various appliances like office, classrooms, laboratories, workshop, corridors, entrance, staircase, canteen and street lights, etc.

2. **The Current Level of Energy Consumption:** The Energy Consumption details for the year 2022-23 are as the following:

| Sr. | Parameter | Units consumed<br>,<br>kWh |
|-----|-----------|----------------------------|
| 1   | Maximum   | 14487                      |
| 2   | Minimum   | 10378                      |
| 3   | Average   | 12433                      |

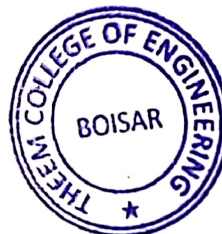
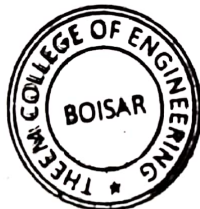
### 3. Recommended Alternate Energy Initiatives:

The department recommends the institute for promoting Solar Energy Systems at different location of the campus such as roof of the building, parking area, etc. to generate more solar energy for the use of main building, canteen and its surrounding areas. Increasing Alternate Energy Sources helps us to decrease the use of electrical energy.

### 4. Percentage of LED Bulbs' Lighting Power Requirements:

The weightage to replace the existing conventional Tube-Light into LED lamps should be taken care. This replacement will decrease the percentage of lighting power.


  
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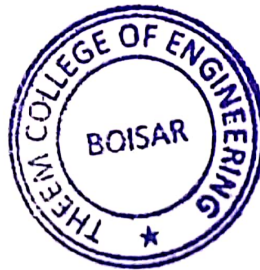




## Abbreviations

|        |   |
|--------|---|
| CFL    | Compact Fluorescent Lamp                                |
| LED    | Light Emitting Diode                                    |
| MSEDCL | Maharashtra State Electricity Distribution Company Ltd. |
| MIDC   | Maharashtra Industrial Development Corporation          |
| V      | Voltage   |
| I      | Current   |
| kW     | kilo-Watt   |
| kVA    | Active Power  |
| kVAr   | Reactive Power  |
| P F    | Power Factor  |

  
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# 1-Introduction

Even though energy wastage is a common phenomenon in small residential areas, the wastage can be considered comparatively low, but in the case of huge buildings like educational institutions the wastage amounts to notable figure Energy audit has been conducted at Theem College of Engineering, one of the largest energy consuming center To estimate and analyze the energy consumption and also to propose energy conservation measures.

The audit is aimed to make Campus more energy efficient by balancing its load, identifying the wastage areas etc. This audit was conducted to seek opportunities to improve the energy efficiency of the campus. The reduction of energy consumption while maintaining or improving human comfort, health and safety were of primary concern. Beyond simply identifying the energy consumption pattern, this audit sought to identify the most energy inefficient appliances that were in the premises. Moreover, some improvements to some daily practices relating to common appliances are also to be provided which may help in reducing the energy consumption. The report is based on certain generalizations and approximations wherever necessary.

The views expressed may or may not reflect the general opinion. Theem College of Engineering is one of the largest energy consuming center it has a substation of its own. The major motivation behind conducting energy audit is to identify energy wastage and to suggest recommendations to reduce energy wastage thereby help in reducing the monthly energy consumption and thus reduce the monthly electricity bill.

## 1.1 Objectives:

1. Studying the present level of Energy Consumption
2. Assessing various equipment/facilities from Energy Efficiency Aspect
3. Studying the scope of using Renewable Energy
4. Studying various measures to reduce the Energy Consumption

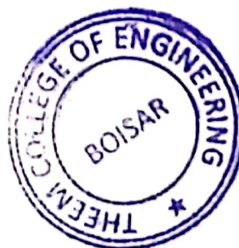
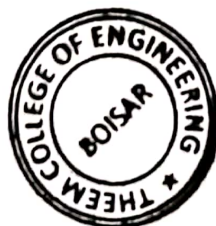
## 1.2 Audit Methodology:

To study the connected loads

To study the various electrical lighting system and equipment to prepare the Report of various measures and payback analysis



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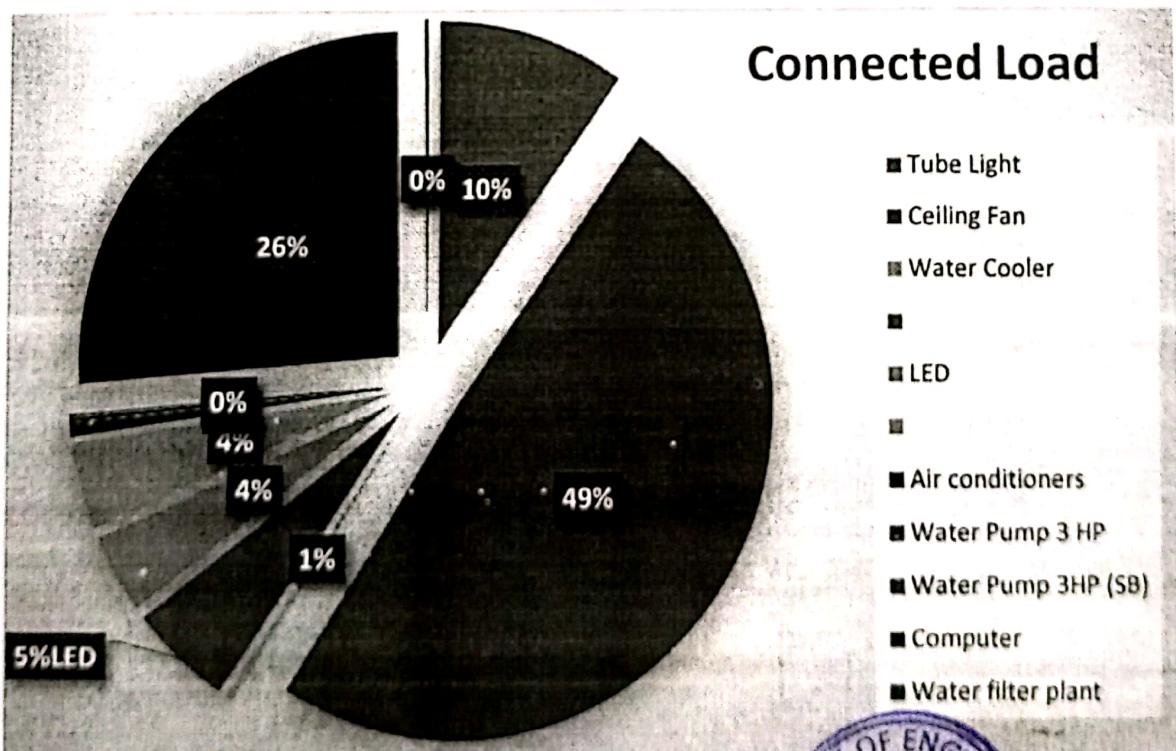
## 2-Details of Overall Connected Load

| Sr No        | Item                | Quantity | Load, W/Unit | Load, kW       |
|--------------|---------------------|----------|--------------|----------------|
| 1            | Tube Light          | 150      | 40           | 6              |
| 2            | Ceiling Fan         | 750      | 75           | 56.25          |
| 3            | Water Cooler        | 7        | 610          | 4.27           |
| 4            | LED                 | 80       | 30           | 2.4            |
|              |                     | 60       | 18           | 1.08           |
|              |                     | 65       | 15           | 0.975          |
| 5            | Air conditioners    | 10       | 2500         | 25             |
| 6            | Water Pump 3 HP     | 3        | 2238         | 6.714          |
| 7            | Water Pump 3HP (SB) | 3        | 2238         | 6.714          |
| 8            | Computer            | 397      | 125          | 49.625         |
| 9            | Water filter plant  | 2        | 2984         | 5.968          |
| 10           | Others              | 1        | 100          | 0.1            |
| <b>Total</b> |                     |          |              | <b>165.096</b> |

Table: 1

The above table report is presented in PIE Chart:

Chart No-1: Details of Connected Load:



  
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### 3-STUDY OF ENERGY CONSUMPTION

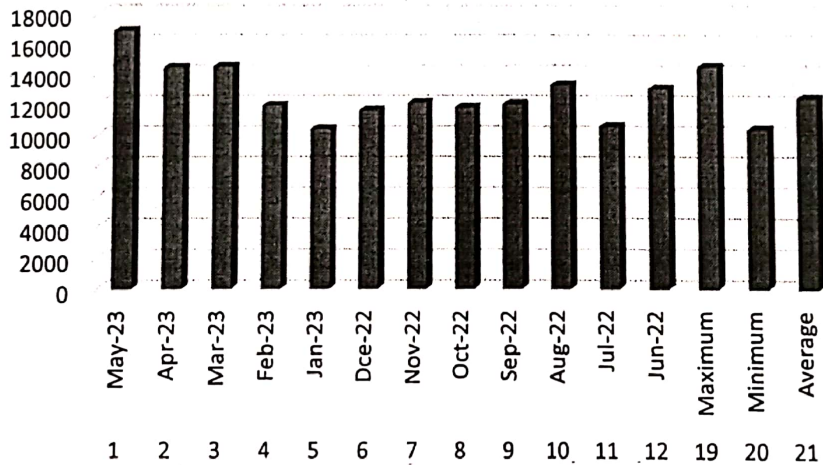
We present the analysis of last a years and present year Electricity Bills

| Sr No. | Month          | Energy consumed KWh |
|--------|----------------|---------------------|
| 1      | May-23         | 16870               |
| 2      | Apr-23         | 14423               |
| 3      | Mar-23         | 14487               |
| 4      | Feb-23         | 11925               |
| 5      | Jan-23         | 10378               |
| 6      | Dce-22         | 11612               |
| 7      | Nov-22         | 12103               |
| 8      | Oct-22         | 11807               |
| 9      | Sep-22         | 12035               |
| 10     | Aug-22         | 13296               |
| 11     | Jul-22         | 10574               |
| 12     | Jun-22         | 13043               |
| 19     | <b>Maximum</b> | <b>14487</b>        |
| 20     | <b>Minimum</b> | <b>10378</b>        |
| 21     | <b>Average</b> | <b>12433</b>        |

Table 2

To study the variation of Monthly Units' Consumption:

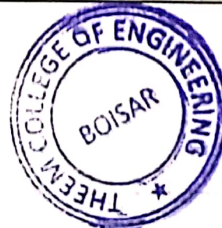
#### Energy consumed KWh



#### Key Inference drawn:

From the above analysis, we present following important parameters: Various Important Parameters of Energy Consumption

  
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## 4-ENERGY SAVING OPPORTUNITIES

Based on the analysis of the power consumption data, certain steps have been recommended for improving energy efficiency of the college campus and some of the recommendation has been done by the TCE Complete cost analysis of implementation of recommended measures has been performed wherever necessary. Also, a number of general measures for energy efficiency have been listed. Described below are some important recommendations for better energy efficiency.

### Replacing electronic ballast with LED tubes

Dominant light source at most places in the college campus is traditional 40W FTLs with LED tubes which consumes 14 – 16W in addition to the 40W. As per our data collection, the college campus has in total 247 FTLs. If these FTLs are replaced by LED Tubes, 25-30W power can be saved per FTL.

#### Cost Analysis of Replacing Electronic Ballast [Choke] FTL with Led

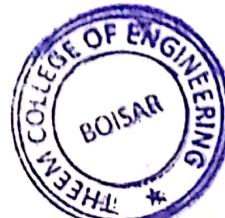
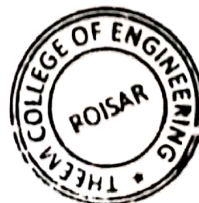
- Total No. of Electronic Ballast[Choke] FTLs in College campus = 247
- Average Power of Electronic Ballast[Choke] FTL = 40 W
- Average Power of LED = 18 W
- Power saved per LED Tubes = 22W
- Total Power saving =  $(247*22) = 5.434 \text{ kW}$
- Average Use of LED Tubes per year =  $200*5 = 1000\text{hrs}$
- Total Energy saved per year =  $5.434\text{kw} * 1000 = 5434\text{kWh}$
- Saving in Rs. Per year =  $5434\text{kwh} * 8 = \text{Rs. } 43472 \text{ /-}$
- Average Cost of Replacing each FTL = Rs.400 /-
- Total Cost of Replacing all Electronic Ballast FTLs =  $247*400 = \text{Rs. } 98800\text{-/}$
- Capital Cost Recovery time =  $(931000/327712) = 2.27\text{yrs}$

Hence, the capital cost recovery time for replacing all Electronic Ballast FTLs of the college campus is around 2.27years

### Replacing Fans with (BLDC) Fans (Recommendation)

The main difference between BLDC and ordinary DC fans is the commutation method. A commutation is basically the technique of changing the direction of current in the motor for the rotational movement. In a BLDC motor, as there are no brushes so the commutation is done by the driving algorithm in the Electronics. The main advantage is that over a period of time, due to mechanical contact in a brushed motor the commutators can undergo wear and tear, this thing is eliminated in BLDC Motor making the motor more rugged for long-term use. Cost benefit analysis of replacing normal fans with BLDC fans was done for the entire TCE.

  
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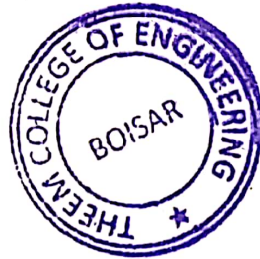
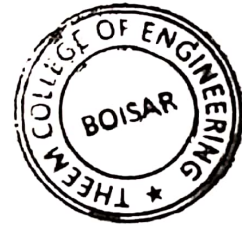
## Cost Analysis of Replacing Normal Fans with BLDC Fans

- Total number of fans=100
- Total days of use=300
- Rating of regular fan=80W
- Rating of fan=28W
- Number of hours of use(annually)=300\*8=2400
- Total savings= (80-28) \*2400\*100=12480
- Therefore, total savings in rupees=12480\*8=99840
- Cost per fan=3200
- Total cost=3200\*100=320000
- Payback period=320000/99840= 3.2 years

Hence, the capital cost recovery of replacing normal fans with BLDC fans is around 3.2years.



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## 5-Usage of Alternate Energy Sources

### The benefit of Installing Solar PV Power Pack:

The audit revealed that the college has ample space on terrace which could be used for installation of Solar Panels. This helps less use of coal to produce electrical energy which reduces the carbon-dioxide emission. The further calculation shows that simple pay back period of the alternative energy system

### Analysis of daily unit consumption and Solar Street Light Capacity:

The following table provides the calculation of Solar Street Light, cost involved with Simple Payback Calculations.

|                           |                           |
|---------------------------|---------------------------|
| Existing system           | = 6 halogen bulb of 1000W |
| Initial Power consumption | = 6000W                   |
| Energy Consumed in 1hr    | = 6kwh                    |
| Energy consumed in 10hrs  | = 60kwh                   |
| For 1day cost             | = 60kwh×9Rs=540Rs         |
| For 1 week cost           | = 3780Rs                  |
| For 1 month               | = 17640Rs                 |
| For 1 year                | = 211680Rs                |

Initial investment for solar panel = 102900 Rs

No. of light replace with solar system = 7

Power consumption = 25w×7=175w

Energy consumed in 1hr = 0.175kwh

Energy consumed in 10 hr = 1.75kwh

For 1 day cost = 1.75×9=15.75Rs

For 1 week = 110.25Rs

For 1 month = 441Rs

For 1 year = 5292 Rs

Annual Cost savings after replacement of halogen lights with Solar system = 211680 - 5292 = 206388 Rs

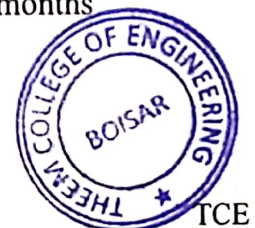
Payback period for solar panel =  $\frac{\text{Investment}}{\text{required}} = \frac{102900}{206388} = 0.5 \text{ year} = 6 \text{ months}$

**Annual saving potential**



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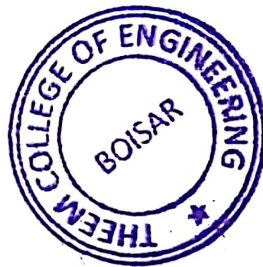
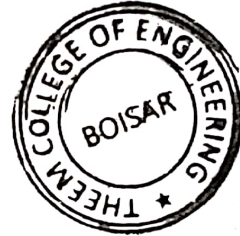
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| SrNo | Particular                          | Value  | Units       |
|------|-------------------------------------|--------|-------------|
| 1    | Solar PV Plant Capacity             | 7      | kW          |
| 2    | Avg Units Gen/kWp of Solar PV Plant | 0.175  | kWh/Day     |
| 3    | Daily Average Units generated       | 1.75   | kWh/Day     |
| 4    | Annual units generated              | 638.75 | kWh/Annum   |
| 5    | Annual Saving potential             | 206388 | Rs lump sum |
| 7    | Investment Required                 | 102900 | Rs lump sum |
| 8    | Simple Payback period               | 6      | Months      |



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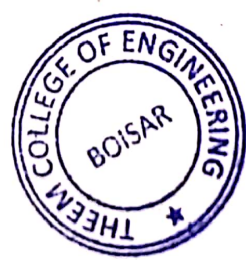
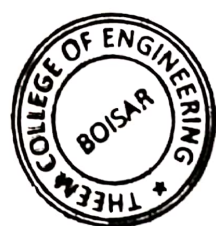
**6-Percentage of lighting power requirements met through LED bulb**

| Total Lighting power requirements        | Source of lightening | Quantity | No. Floors | Total Quantity |
|--|----------------------|----------|------------|----------------|
| corridor of each floor in the A building | Tube light (LED)     | 10       | 4          | 40             |
| security Cabin                           | Tube light (LED)     | 1        | 0          | 1              |
| Principal Office Entrance                | LED                  | 80       | 0          | 80             |
| Street Lights                            | LED                  | 50       | 0          | 50             |
| Seminar Hall 2nd & 3rd floor             | LED                  | 32       | 2          | 32             |
| Library                                  | LED                  | 15       | 0          | 15             |

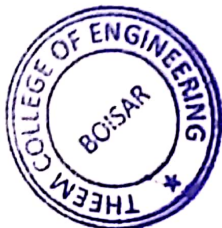
**Details of LED and CFL power consumption**

| Incandescent Watts | CFL Watt | LED Watt | Lumens (Brightness) |
|--------------------|----------|----------|---------------------|
| 40                 | 8 – 12   | 6 – 9    | 400 – 500           |
| 60                 | 13 – 18  | 8 – 12.5 | 650 – 900           |
| 75-100             | 18 – 22  | 13+      | 1100 – 1750         |
| 100                | 23 – 30  | 16 – 20  | 1800+               |

  
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| Source of Lightening   | Tube light (LED) | Principal Office Entrance | LED (Street Light) | LED.in Seminar.Hall on.First second floor and library | Main Gate LED | Tube Light in class room |
|--|------------------|---------------------------|--------------------|---|---------------|--------------------------|
| Total Quantity   | 41               | 80                        | 50                 | 32  | 4             | 150                      |
| Wattage of each source(W)  | 40               | 15                        | 36                 | 18  | 50            | 40                       |
| Total power required for each source                                   | 1200             | 1200                      | 1800               | 576   | 200           | 6000                     |
| Days per year for corridor and street lighting                         | 365              |                           |                    |   |               |                          |
| Hours per day for corridor and street lighting                         | 12               |                           |                    |   |               |                          |
| Annual lighting power requirement for corridor and street lighting(kW) | 8760             |                           |                    |   |               |                          |
| Days per year for indoor lighting                                      | 270              |                           |                    |   |               |                          |
| Hours per day for indoor lighting                                      | 8                |                           |                    |   |               |                          |
| Annual lighting power requirements for indoor lighting(kW)             | 6428.16          |                           |                    |   |               |                          |
| Annual total lighting power requirement (Kw)                           | 15194.16         |                           |                    |   |               |                          |
| Total lighting power requirements met through LED bulb(kW)             | 15188.16         |                           |                    |   |               |                          |
| Percentage of lighting power requirements met through LED Lights       | 99.96%           |                           |                    |   |               |                          |
| Percentage Lighting through other sources                              | 0.04%            |                           |                    |   |               |                          |



  
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**A**  
**Green Audit Report**  
**Of**

**Theem College of Engineering,**  
**Boisar**

For the year

**2021-22**


Submitted by

**External Audit Team**

**By**

**Mr. Mahendra kale**


**Proprietor**

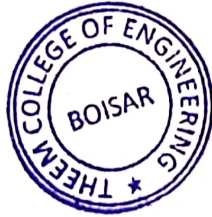
  
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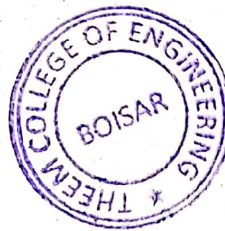


## Green Audit

This is to certify that Theem College of Engineering has satisfactorily handled the environmental (Green) audit for the college covering all the details in accordance with the required norms for the year 2021-22.

The audit shall assist them to develop measures to save the environment and its individual units.

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## Preamble

The rapid environmental degradation at local, regional and global level is real, which is leading us to global "Environmental Poverty". Stabilization of human population, adoption of environmentally sound and sustainable technologies, reforestation, and ecological restoration are crucial elements in creating an equitable and sustainable future for all humankind in harmony with nature. Thus, academic leaders must initiate and support mobilization of internal and external resources and knowledge so that their institute responds to environmental challenges.

Theem College of Engineering, Boisar is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reserves the trends. We deeply subscribe to the fact that humans should be steward of Mother Nature and that we all have a profound responsibility to protect the earth's resources in perpetuity. Being a premier institute of higher learning, has resolved to play a major role in the education, research, policy formation, and information exchange necessary for a sustained environmental campaign.

The current environmental audit represents the first stage in our efforts to build environmental sustainability on the campus. The audit was conducted by a team of faculty lead by Prof. Raees Ahmad. We have conducted this audit for the college to create awareness among not only students but also staff and stakeholders about avoiding engagement in non-eco-friendly activities. We desire to make these activities as a regular part of functioning.

The overall goals of this audit were:

- To introduce students to real concern of environment and its sustainability using the Theem College of Engineering, as a study site.
- To analyze the pattern and extent of resources use on the campus.
- To make the college a more environmentally sustainable institution of higher learning.
- To bring out a status report on environmental compliance.

  
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## About the Theem College of Engineering, Boisar

Theem College Of Engineering (Theem COE) is promoted by the H.J.Thim Trust, which has been founded to educate and empower the youth who play a decisive role in shaping the destiny of the nation.

The College is located at Boisar (East) in serene and tranquil surroundings and was established in the year 2009 with an objective to impart quality education to students in the field of Technology. Theem COE has emerged as the only Premier Engineering College in Boisar with an overall intake of 540 students in various fields of engineering.

### *Vision*

To become a Centre of Excellence in Technical & Professional Education.

### *Mission*

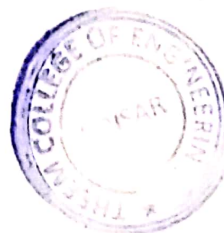
1. To commit for high standards in technical and professional education.
2. To impart quality professional education through ICT initiatives and project based learning.
3. To nurture technocrats and professionals with ethics and human values

### *Quality Policy*

To pursue global standards in all our endeavors namely - teaching, skill-empowering, ICT initiatives and project based learning through continuous processes with self-evaluation.

### *Quality Objectives*

- To follow the conformity of the regulatory requirements of Mumbai University, Govt. of Maharashtra, AICTE, DTE, MSBTE, NAAC and NBA.
- To continue the improvement of teaching aids with modern tools and learning facilities.
- To enhance employability through school finishing initiative.
- To organize Industry Institute Interaction Program, Seminars and STTP for knowledge enhancement and skill-empowerment.
- To monitor academic quality improvement to ensure the earliest corrective action in the event of any non-conformity.
- To measure success in university examinations and overall students' placement through campus interviews.
- To engage stakeholders through social, ethical and community service activities.



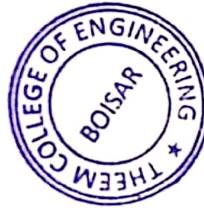
## Audit Team

### External Audit (Expert) Team Members

| Sr. No. | Name of Auditors  | Designation |
|---------|-------------------|-------------|
| 1       | Mr. Mahendra Kale | Proprietor  |
| 2       |                   |             |

### Internal Audit Team Members

| Sr. No. | Name of Auditors    | Designation         |
|---------|---------------------|---------------------|
| 1       | Prof. Faiz Khan     | Assistant Professor |
| 2       | Prof. Raees Ahmad   | Assistant Professor |
| 3       | Prof. Iqbal Mansuri | Assistant Professor |



  
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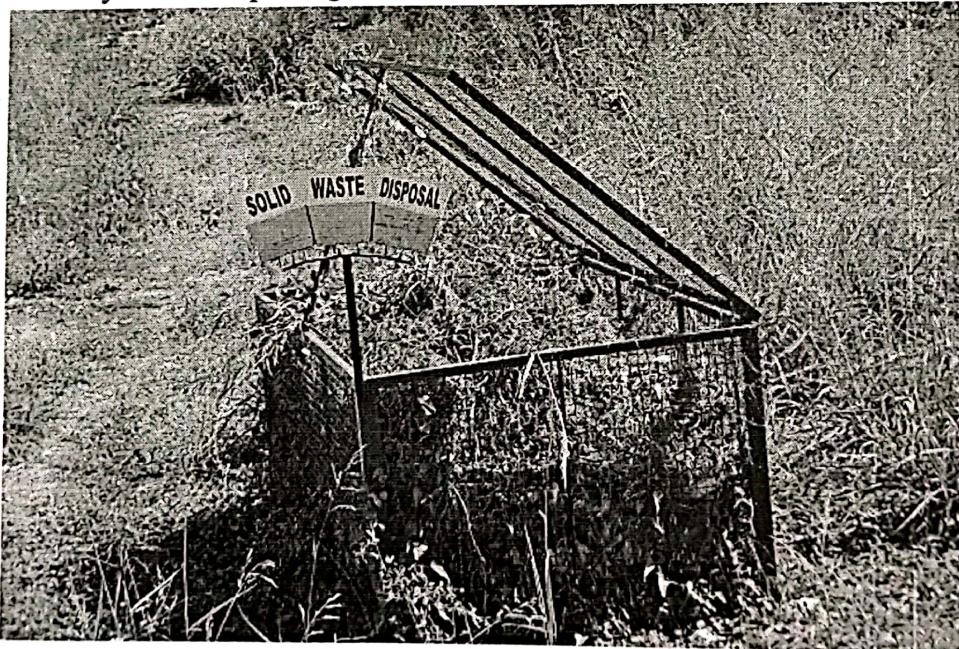
## Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development. Theem College of Engineering, Boisar is intensely concerned and totally believes that there is an urgent need to address these basic problems and reverse the trends. Being a leading institution of higher learning, the college has initiated, The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. With this in mind, the specific objectives of the audit were to evaluate the adequacy of the management control framework of Environment Sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards.

**Environmental Sustainability** is essential for well-being of a society. The institute keeps its best practices under “**Green Practice**” in its premises. The “**Rainwater harvesting**” project was accomplished by final year students of Civil Engineering and it is functional in charging campus bore well and even ground water in subsequent land. **Solar and LED power projects** are also taken up in the premises. The other sustainable activities like **Solid Waste Management, Liquid Waste Management, E-Waste Management, Plastic Free Campus, Dry Agro Waste Conversion, Tree Plantation Drive** for controlling Air-Pollution and better environment, and “**Swachh Bharat Mission**” in the premises as well as nearby areas.

College is adopting zero waste discharge facility to manage the solid, liquid and e-waste.

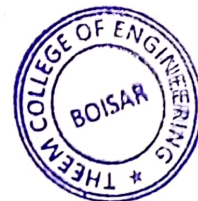
**Solid waste management:** The campus has solid waste management at 3 locations which contain 3 steel-cages of 6x4x3 feet capacity in operation for dumping solid waste. Green and garbage waste like waste food, waste paper and waste material of all the departments are processed and converted for preparing organic fertilizer. The estimated generation of solid waste in the campus is approximate 3 to 5 kg per day that is collected by sweeper and workers from various departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.




**Liquid waste management:** The institute is equipped with septic tanks, the term “septic” refers to the anaerobic environment that develops in the tank which decomposes or mineralizes the waste discharged into the tank. The plumbing wastewater is collected from various places like - washbasin, toilet, water cooler, kitchen basin, etc. and conveyed to 16m x 10m x 3m size septic tank. Cleaning of Septic tank is done regularly by municipal sludge collecting vehicle. Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals.

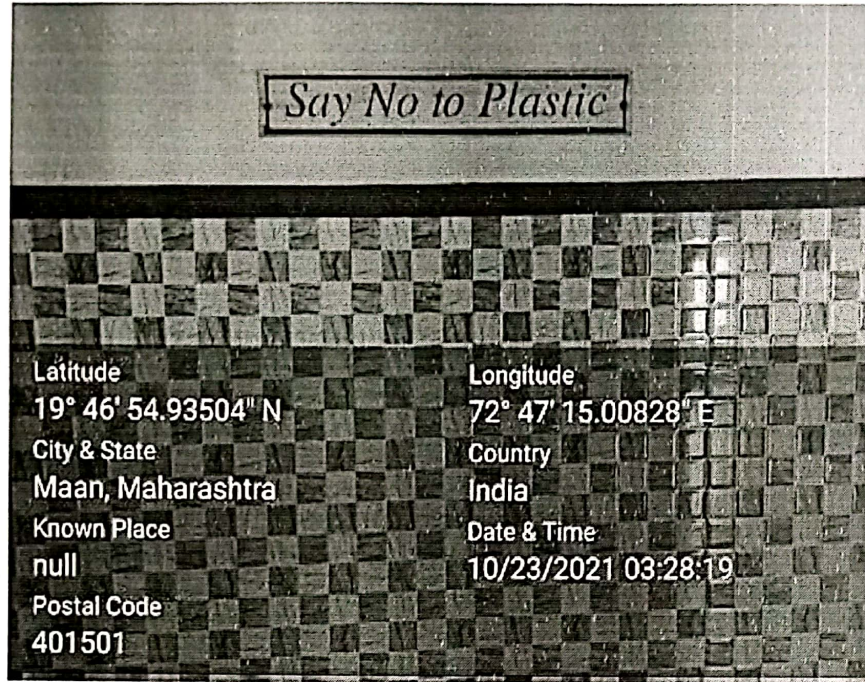


**E-waste management:** The generated e-waste is given to the authorized dealers who purchase the scrap and reuse the useful components. The computer which is under maintenance is checked for useful parts like motherboards, SMPS, RAM for reuse. The MOUs has been done between the college and the vendors for managing the repair of and various electronic components and refilling of printer cartridges.



  
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**Plastic Free Campus:** The institute's campus is plastic free. Faculty members and student coordinators from departments conducted **the Anti-Plastic Awareness Campaign on 5th March 2020** at college. The motto of event was creating awareness of plastic's adverse effects on the environment and informing students with the n updated information about the anti-plastic issues. Students prepared posters with "Say No to Plastics" messages slogans and they were displayed on the walls of the lobby of every department as well as in canteen.



**Paperless Office:** Teaching faculties and students of the institute are using WhatsApp that provides a channel through which teachers can achieve faster and more seamless communication with their students. It can also increase the level of communication among students and create another venue for learning.

**Education Strategies for WhatsApp in the institute:**

Here are some basic strategies that educators utilize to take advantage of the core abilities of WhatsApp:

1. All notices, circulars, examination time-table and duty charts are circulated using WhatsApp group of HODs and each department's group.
2. Use the group chat feature to create learning and study groups.
3. Create audio lessons that can be sent directly to students.
4. Stay in contact with students outside the classroom.
5. Send out problems or assignments to students even when they are not in class.
6. Stay in contact with parents.
7. Send graphics such as pictures or charts directly to students.
8. Send report cards directly to the parent's phones.
9. Facilitate real-time communication between students and teachers.

**Rain water harvesting structures and utilization in the campus**

Rainwater Harvesting which is labeled as a Green Practice is important for friendly approach environment which has the double benefit in both keeping the groundwater table undisturbed and charging the aquifer. The campus has Rainwater Harvesting Structure through which we get a huge amount of water in free

of cost with better quality as well whenever there is a downpour. Rainwater harvesting system ensures that our bore-wells are always kept recharged and hence the campus has not felt scarcity of water for many years. The runoff from the terrace of the college building is channelized into three different recharge wells located at three different locations, each measuring 1.6 m x 1.3 m x 2m. All the rooftop rainwater outlets discharge into stormwater drains and then to the recharge structures. The network of pipes linked through chambers takes the rainwater to the recharge tanks.

To facilitate groundwater recharge, all structures are provided. Tank capacity of 4160 liters is installed for proper filtration of harvested water. The conserved water will be used for cleaning, washing, gardening, etc. The received rainwater from the roof flows forcefully at very low line area behind canteen through the trench. This water is transferred to open well area through the soak pit and further the institute is trying to place a surface filter.

Rainwater captured and harvested as below:

Roof Top Area = 2399.80 sq. meters (degree building)

2196.40 sq. meters (diploma building)

414.14 sq. meters (canteen)

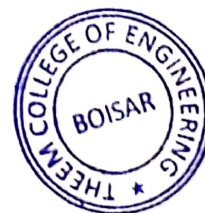
Open space adjacent to buildings = 2320.10 sq. meters

2435.07 sq. meters (Civil ground and area behind new building)

414.52 sq. meters (Area in front of diploma building)

558.79 sq. meters (Area in front of degree building)

11485.94 sq. meters (Ground)



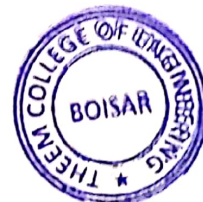
  
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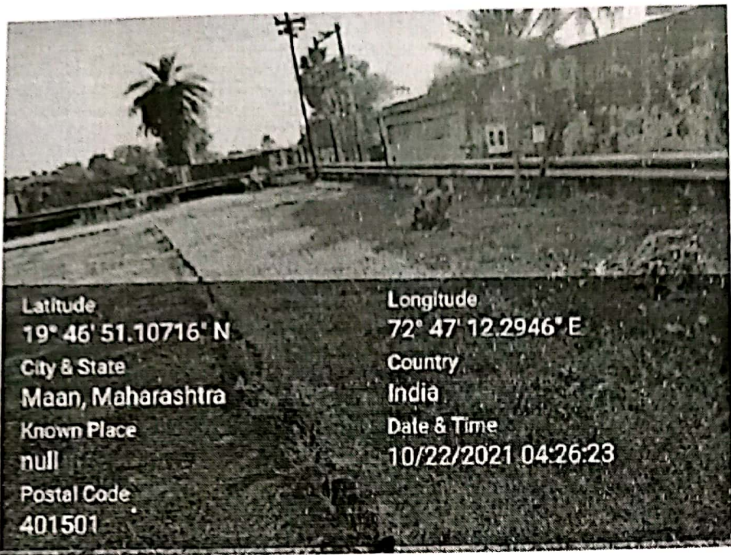
#### Green Landscaping with Trees and Plants:

Colleges willingly accepted the green practices and strictly follow them. The college conducts campaign for students and faculty to understand the importance of environmental protection and be mindful about saving energy. The authority frequently appeals to the students and faculty to maintain the tradition of no vehicle day on Saturday. Tree Plantation is one of the most ambitious initiatives of the institute. Tree plantation activity is conducted at the national festivals - *Independence Day* and *Republic Day* in the campus and maintained very well throughout the year.

The institute has taken a mandate of planting 1000 saplings to increase the greenery across the campus as well as surrounding of Boisar. Till now, 200 saplings are planted. The institute has a botanical garden with lots of herbal and medicated plants situated adjacent to Theem Maker's Vector Workshop.

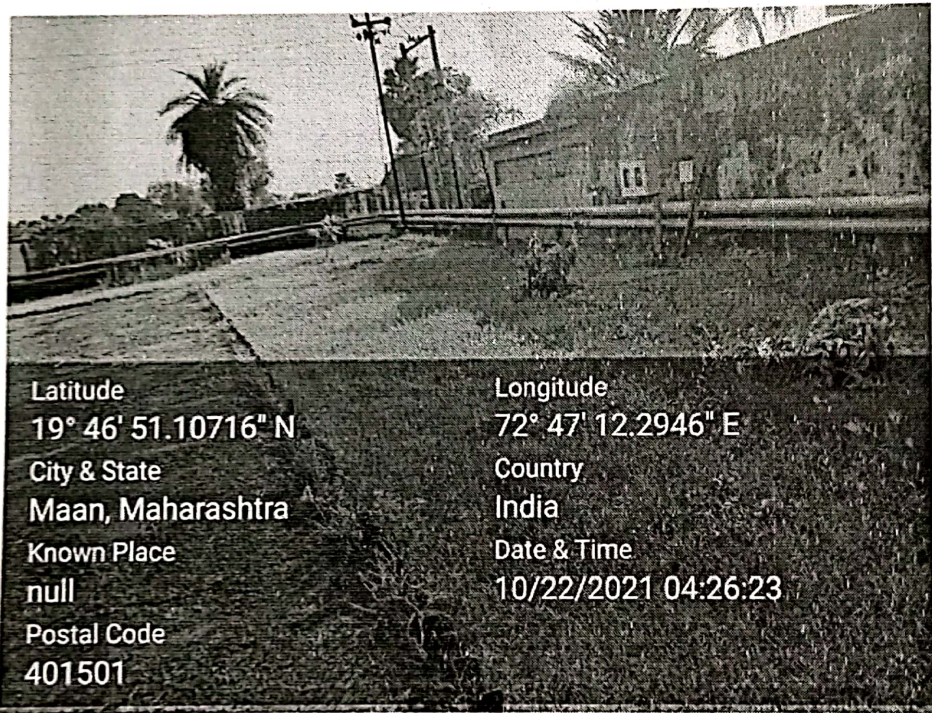


  
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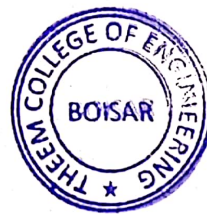
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City & State  
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Known Place  
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Postal Code  
401501

Longitude  
72° 47' 12.2946" E  
Country  
India  
Date & Time  
10/22/2021 04:26:23



Latitude  
19° 46' 51.10716" N  
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Country  
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## Statement of Assurance

The audit has been conducted in accordance with the standard procedures for the professional practice of internal auditing.

In our professional judgment, sufficient and appropriate audit procedures were completed and evidence gathered to support the accuracy of the conclusions reached and contained in this report. The conclusions are based on a comparison of the situations as they existed at the time of the audit with the established area.

## Methodology of Audit

In order to meet its objectives, this audit combined physical inspection with review of relevant documentation and interactions with departmental staff members and students.

- Review of the Documentation: For the purpose of this audit Green audit frame work was reviewed.
- Interviews: Interviews were conducted with the principal, departmental faculties and students.
- Physical Inspection: The audit team was conduct physical observation in the college campus to inspect the green practices.

## Summary of Findings

The main findings of the audit show that, all the department staff and students are aware about the needed for environmental protection at a general level. It was also observed that a number of best practices such as maintaining the collection of waste separately, introduce rain water harvesting to new building structures, implementing plastic free campus etc. are followed in the college premises.



## Audit framework and detailed findings

The following audit framework is used for conducting Green Audit in 2021-22. The framework also lists the finding and also observations for every criterion.

- **Waste Generation and Management**

**Objective:** Maximize the waste recycled and minimize the quantity of non-recycled refuse.

**Activity:** Segregation of waste

**Audit Observation:** Waste Material is segregated as per category like Paper, Cardboard, Scrap Wood, Scrap Metal, Plastic scrap, glass, laboratory rags etc. Each waste is stored at departmental level and periodically sending to other purposes.

| Type of waste    | Audit Observation   |
|------------------|---|
| Paper Waste      | <ul style="list-style-type: none"><li>• One side rough paper is used for the printing of Notices, Time Tables etc. in each department.</li><li>• Waste papers are sending for shredding to prepare thread and card sheet.</li><li>• Email and Mobile media communication is used for minimize the use of paper.</li></ul>   |
| Plastic waste    | <ul style="list-style-type: none"><li>• Plastic bottles, caps and other waste material are stored separately at departmental level and sell as a scrap material</li></ul>   |
| Electrical Waste | <ul style="list-style-type: none"><li>• Electrical waste like damaged electrical board, switches, cut wires are collect by electrician and replace this with new one and remaining wastage is sold as scrap.</li><li>• Electrical waste related to computer, key boards, and mouse is collect by Computer science department for repairing and replaces the damaged one and remaining wastage is sold as scrap.</li></ul> |

- **Waste Generation and Management**

**Objective 1:** Collection of waste.

**Activity:** Students as well as faculties of different department concern about waste collection. They do not throw the paper waste in the surrounding premises of college campus.

**Audit Observation:** Proper dustbins are provided to each department. Also 2 large (Steel and plastic) dustbins are install at various location in the college campus for collection of waste including administration office, college canteen, near garden etc.

**Objective 2:** Plastic free Campus.

**Activity:** Motivate students about harm of plastic carry bags and items to convince them for no use of plastic in college premises.

**Audit Observation:** To aware all students as well as faculties of different department about "Say No to Plastic" in college campus, awareness boards are display at various location in the college campus.

  
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**Objective 3: Management of Garden Waste.**

**Activity:** Installation of compost pit.

**Audit Observation:** The collected wastes from garden, debris, leaf litter are collect dumped into compost bins to prepare the compost manure from the waste.

- **Water conservation**

**Objective 1: Water conservation.**

**Activity:** Rain Water Harvesting

**Audit Observation:** Rain water harvesting facility is provided to main building and new COE buildings.

**Objective 2: Water Saving.**

**Activity:** Water Audit

**Audit Observations:**

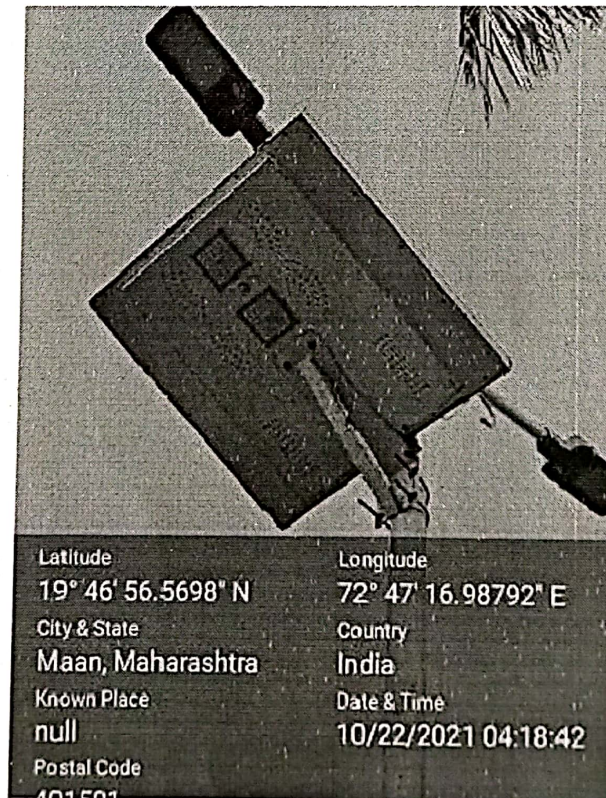
1. The storage (overhead/underground tank) checked periodically for any leakage.
2. The water taps were checked periodically to prevent from any leakage.
3. The leakage taps are periodically replaced by new one.

- **Energy Consumption (Electrical Energy & Fuel Energy)**

**Objective 1: To save the electrical energy.**

**Activity:** Use of LED and solar panels.

**Audit Observation:** Solar and LED power projects are also taken up in the premises.



  
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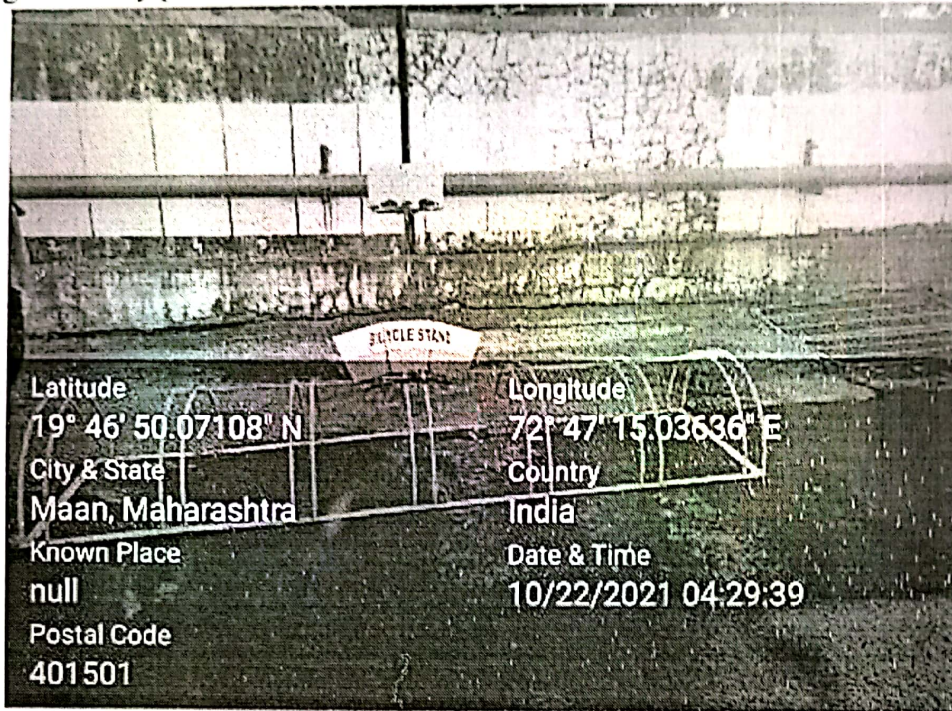


**Objective 2:** To save the fuel energy.

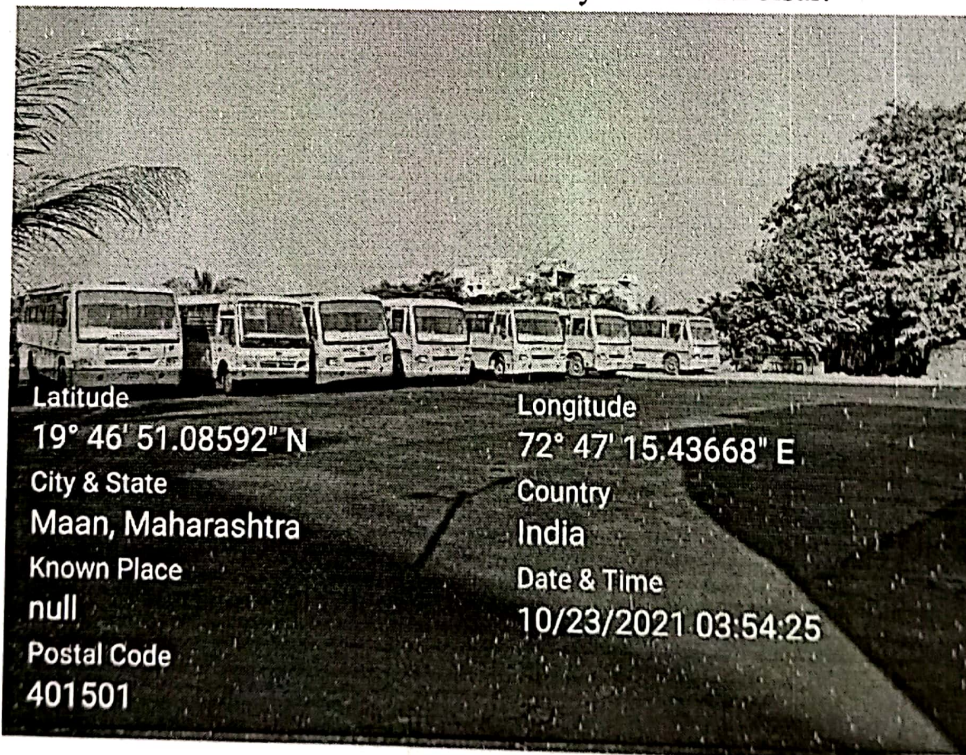
**Activity:** Motivate to students and faculties for reduce the use of vehicles in college campus.

**Audit Observation:**

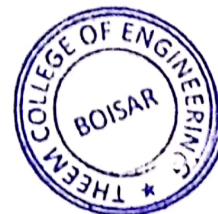
**A) Bicycle:** The institute's security guards as well as some students uses the bicycle to attend the college and they park it at cycle stand.



**B) Public Transport:** Most of the staff and students use college bus transport service in both routes such as Chitralaya to college, Tata Housing Society to College, Railway station to college. The outstation staff and students use railways to reach Boisar.



  
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- **Green Campus**

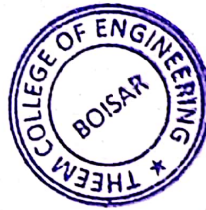
**Objective:** To increase the Green Cover within the college campus.

**Activity:** Establishment of botanical garden, Green House and Shade Net House

**Audit Observation:** The institute maintains its campus with clean air, water, and greenery by following green and sustainable practices. The entire campus is well maintained with a rich collection of trees and plants that make the environment carbon dioxide free and to maintain inmate's good health.



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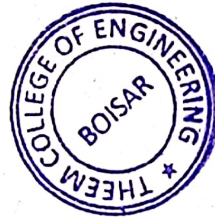
## Recommendations

Following the audit, several recommendations were made to the college authority by external audit team.

| Sr. No. | Criteria          | Recommendations   |
|---------|-------------------|---|
| 1       | Paper Use         | Use email communication for Internal/departmental notices to minimize the use of paper  |
| 2       | Lighting (Energy) | Use LED light instead of regular tube light to conserve the electricity.  |
| 3       | Vehicles          | Monitoring the PUC of every vehicle within the campus at least once in a year to minimize the vehicular pollution load.   |
| 4       | Energy (Fuel)     | <ol style="list-style-type: none"><li>1. Maintain the record of Diesel used for DG set.</li><li>2. Control the use of DG set as per requirements only.</li><li>3. Monitoring the function of DG set by external party regarding consumption of fuel and working efficiency.</li></ol> |



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An  
**Energy Audit Report**  
Of  
**Theem College of Engineering,**  
**Boisar**

For the year

**2021-22**

Submitted by  
**External Audit Team**

By  
**Mr.Mahendra kale**  
**Proprietor**

  
MAHENDRA KALE  
ARCHITECT  
REG. No. CA-87-10499



## Executive Summary

The department of Electrical Engineering presents the important observations and measures of various field measurements and analysis to reduce the Energy Consumption.

1. Theem College of Engineering, Boisar consumes Electrical Energy in various appliances like office, classrooms, laboratories, workshop, corridors, entrance, staircase, canteen and street lights, etc.

2. The Current Level of Energy Consumption: The Energy Consumption details for the year 2020-21 are as the following:

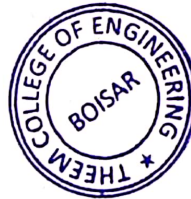
| Sr. | Parameter | Units consumed, kWh |
|-----|-----------|---------------------|
| 1   | Maximum   | 15304               |
| 2   | Minimum   | 3905                |
| 3   | Average   | 9363                |

### 3. Recommended Alternate Energy Initiatives:

The department recommends the institute for promoting Solar Energy Systems at different location of the campus such as roof of the building, parking area, etc. to generate more solar energy for the use of main building, canteen and its surrounding areas. Increasing Alternate Energy Sources helps us to decrease the use of electrical energy.

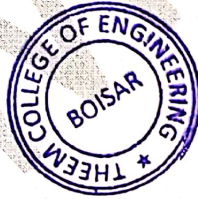
### 4. Percentage of LED Bulbs' Lighting Power Requirements:

The weightage to replace the existing conventional tube-light into LED lamps should be taken care. This replacement will decrease the percentage of lighting power.



## Abbreviations

|                  |   |
|------------------|---|
| CFL              | Compact Fluorescent Lamp                                |
| LED              | Light Emitting Diode                                    |
| MSEDCL           | Maharashtra State Electricity Distribution Company Ltd. |
| MIDC             | Maharashtra Industrial Development Corporation          |
| V                | Voltage   |
| I                | Current   |
| kW               | kilo-Watt   |
| kVA              | Active Power  |
| kVA <sub>r</sub> | Reactive Power  |
| P F              | Power Factor  |



*MK*

# Introduction

## 1.1 Objectives:

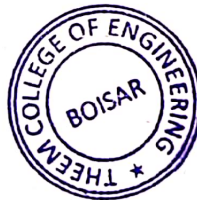
1. Studying the present level of Energy Consumption
2. Assessing various equipment/facilities from Energy Efficiency Aspect
3. Studying the scope of using Renewable Energy
4. Studying various measures to reduce the Energy Consumption

## 1.2 Audit Methodology:

To study the connected loads

To study the various electrical lighting system and equipment

To prepare the Report of various measures and payback analysis





# Study of Connected Load

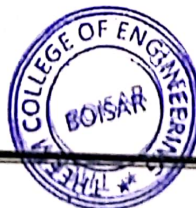
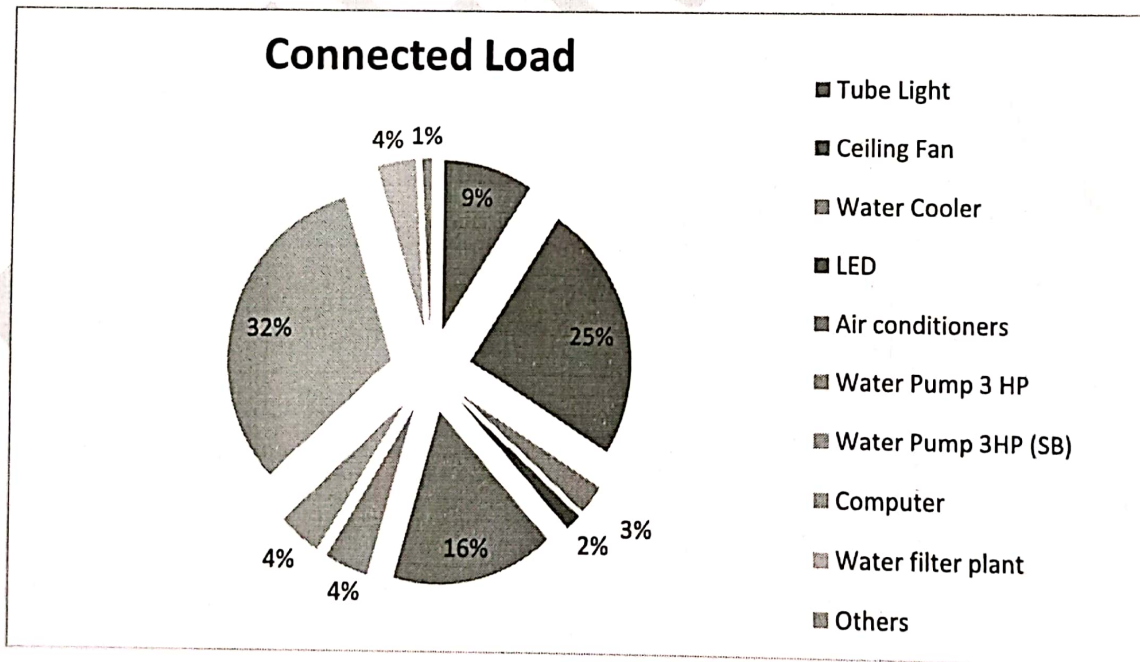
Table: 1

**2.1 Details of Overall Connected Load:**

| Sr No        | Item                | Quantity | Load, W/Unit | Load, kW       |
|--------------|---------------------|----------|--------------|----------------|
| 1            | Tube Light          | 247      | 40           | 9.88           |
| 2            | Ceiling Fan         | 511      | 75           | 38.23          |
| 3            | Water Cooler        | 7        | 610          | 4.28           |
| 4            | LED                 | 55       | 36           | 1.98           |
|              |                     | 50       | 18           | 0.9            |
|              |                     | 50       | 15           | 0.75           |
| 5            | Air conditioners    | 10       | 2500         | 25             |
| 6            | Water Pump 3 HP     | 3        | 2238         | 6.714          |
| 7            | Water Pump 3HP (SB) | 3        | 2238         | 6.714          |
| 8            | Computer            | 397      | 125          | 49.625         |
| 9            | Water filter plant  | 2        | 2984         | 5.968          |
| 10           | Others              | 1        | 100          | 1.5            |
| <b>Total</b> |                     |          |              | <b>151.541</b> |

The above table report is presented in PIE Chart:

**Chart No-1: Details of Connected Load:**

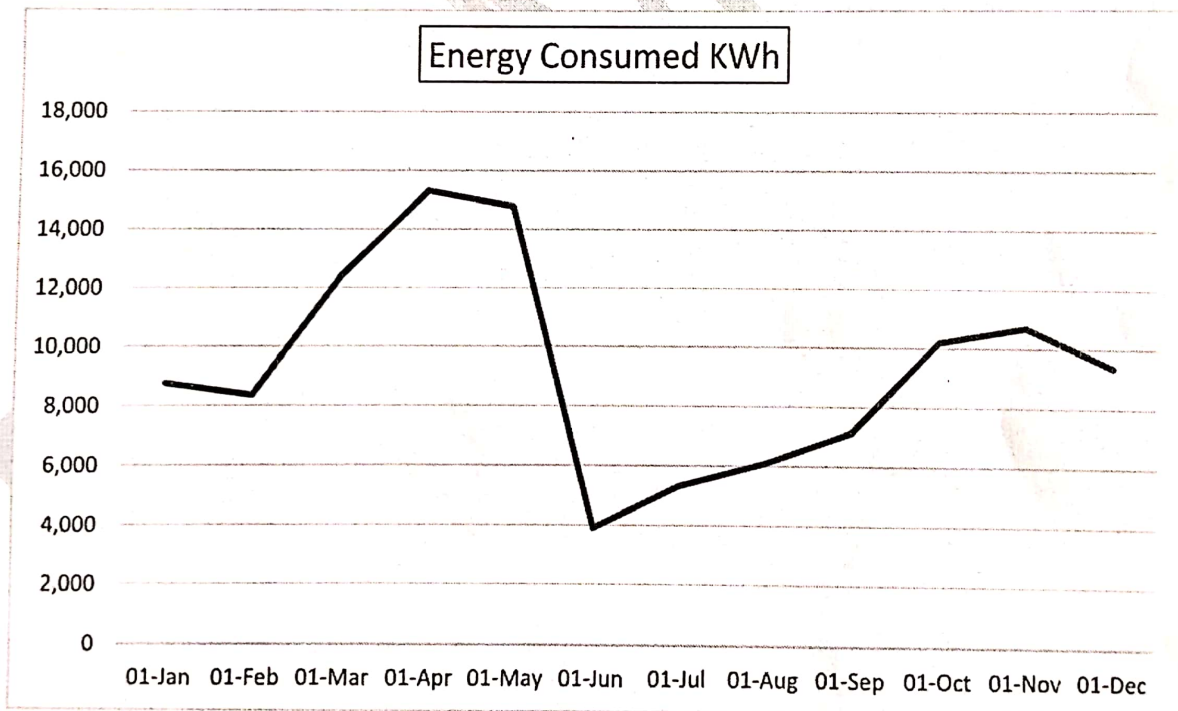


## Chapter 3 – Study of Energy Consumption

we present the analysis of last a year and present year Electricity Bills Table

| Sr No. | Month          | Energy consumed KWh |
|--------|----------------|---------------------|
| 1      | 22-May         | 14,773              |
| 2      | 22-Apr         | 15,304              |
| 3      | 22-Mar         | 12,401              |
| 4      | 22-Feb         | 8,359               |
| 5      | 22-Jan         | 8,763               |
| 6      | 21-Dec         | 9,377               |
| 7      | 21-Nov         | 10,705              |
| 8      | 21-Oct         | 10,206              |
| 9      | 21-Sep         | 7,142               |
| 10     | 21-Aug         | 6,092               |
| 11     | 21-Jul         | 5,324               |
| 12     | 21-Jun         | 3,905               |
| ss19   | <b>Maximum</b> | <b>15304</b>        |
| 20     | <b>Minimum</b> | <b>3905</b>         |
| 21     | <b>Average</b> | <b>9363</b>         |

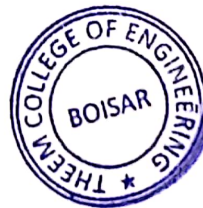
To study the variation of Monthly Units' Consumption:



### Key Inference drawn:

From the above analysis, we present following important parameters:

Various Important Parameters of Energy Consumption:



| Sr. No. | Parameter | Units Consumed KWh |
|---------|-----------|--------------------|
| 1       | Maximum   | 15304              |
| 2       | Minimum   | 3905               |
| 3       | Average   | 9363               |

## Chapter 4 – Usage of Alternate Energy Sources

### 4.1 The benefit of Installing Solar PV Power Pack:

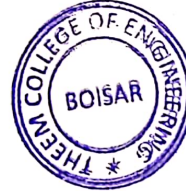
The audit revealed that the college has ample space on terrace which could be used for installation of Solar Panels. This helps less use of coal to produce electrical energy which reduces the carbon-dioxide emission. The further calculation shows that simple pay back period of the alternative energy system

### 4.2 Analysis of daily unit consumption and Solar Street Light Capacity:

The following table provides the calculation of Solar Street Light, cost involved with Simple Payback Calculations.

|                           |                           |
|---------------------------|---------------------------|
| Existing system           | = 6 halogen bulb of 1000W |
| Initial Power consumption | = 6000W                   |
| Energy Consumed in 1hr    | = 6kwh                    |
| Energy consumed in 10hrs  | = 60kwh                   |
| For 1day cost             | = 60kwh×9Rs=540Rs         |
| For 1week cost            | = 3780Rs                  |
| For 1 month               | = 17640Rs                 |
| For 1 year                | = 211680Rs                |

|  |                  |
|--|------------------|
| Initial investment for solar panel     | =102900 Rs       |
| No. of light replace with solar system | =7               |
| Power consumption                      | =25w×7=175w      |
| Energy consumed in 1hr                 | =0.175kwh        |
| Energy consumed in 10 hr               | =1.75kwh         |
| For 1 day cost                         | = 1.75×9=15.75Rs |
| For 1 week                             | =110.25Rs        |
| For 1 month                            | = 441Rs          |
| For 1 year                             | = 5292 Rs        |



Annual Cost savings after replacement of halogen lights with Solar system=211680-5292=206388 Rs

$$\text{Payback period for solar panel} = \frac{\text{Investment required}}{\text{Annual saving potential}} = \frac{102900}{206388} = 0.5 \text{ year} = 6 \text{ months}$$

| SrNo | Particular                          | Value  | Units       |
|------|-------------------------------------|--------|-------------|
| 1    | Solar PV Plant Capacity             | 7      | kW          |
| 2    | Avg Units Gen/kWp of Solar PV Plant | 0.175  | kWh/Day     |
| 3    | Daily Average Units generated       | 1.75   | kWh/Day     |
| 4    | Annual units generated              | 638.75 | kWh/Annum   |
| 5    | Annual Saving potential             | 206388 | Rs lump sum |
| 7    | Investment Required                 | 102900 | Rs lump sum |
| 8    | Simple Payback period               | 6      | Months      |

7

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#### 7.1.4 Percentage of lighting power requirements met through LED bulb

| Total lighting power requirements | Corridor of each floor in the A Building | Security Cabin  | Principal Office Entrance | Street Lights | Seminar Hall on second floor | Library |
|-----------------------------------|--|-----------------|---------------------------|---------------|------------------------------|---------|
| Source of Lightening              | Tube light(LED)                          | Tube light(LED) | LED                       | LED           | LED                          | LED     |
| Quantity                          | 7  | 1               | 20                        | 50            | 30                           | 10      |
| No. of floors                     | 4  | 0               | 0                         | 0             | 0                            | 0       |
| Total Quantity                    | 28                                       | 1               | 20                        | 50            | 30                           | 10      |



  
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| Source of Lightening   | Tube light(LED) | Principal Office Entrance | LED (Street Light) | LEDs in Seminar Hall on second floor and library |
|--|-----------------|---------------------------|--------------------|--|
| Total Quantity   | 28              | 50                        | 50                 | 40   |
| Wattage of each source(W)  | 40              | 15                        | 36                 | 18   |
| Total power required for each source                                   | 1120            | 750                       | 1800               | 720  |
| Days per year for corridor and street lighting                         | 365             |                           |                    |  |
| Hours per day for corridor and street lighting                         | 12              |                           |                    |  |
| Annual lighting power requirement for corridor and street lighting(kW) | 10424.400       |                           |                    |  |
| Days per year for indoor lighting                                      | 270             |                           |                    |  |
| Hours per day for indoor lighting                                      | 8               |                           |                    |  |
| Annual lighting power requirements for indoor lighting(kW)             | 1555.2          |                           |                    |  |
| Annual total lighting power requirement (Kw)                           | 11979.600       |                           |                    |  |
| Total lighting power requirements met through LED bulb(kW)             | 7696            |                           |                    |  |
| Percentage of lighting power requirements met through LED Lights       | 64.24%          |                           |                    |  |
| Percentage Lighting through other sources                              | 35.76%          |                           |                    |  |

**A**  
**Green Audit Report**  
**of**  
**Theem College of Engineering,**  
**Boisar**

For the year  
**2020-21**

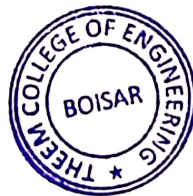
**Submitted by**  
**External Audit Team**


**Audited by**  
**Mahendra Kale**  
**Architect**



## Index

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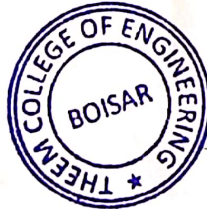
  
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## Green Audit

This is to certify that Theem College of Engineering has satisfactorily handled the environmental (Green) audit for the college covering all the details in accordance with the required norms for the year 2020-21.

The audit shall assist them to develop measures to save the environment and its individual units.



  
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## Preamble

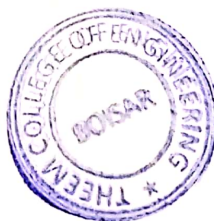
The rapid environmental degradation at local, regional and global level is real, which is leading us to global "Environmental Poverty". Stabilization of human population, adoption of environmentally sound and sustainable technologies, reforestation, and ecological restoration are crucial elements in creating an equitable and sustainable future for all humankind in harmony with nature. Thus, academic leaders must initiate and support mobilization of internal and external resources and knowledge so that their institute responds to environmental challenges.


Theem College of Engineering, Boisar is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reserves the trends. We deeply subscribe to the fact that humans should be steward of Mother Nature and that we all have a profound responsibility to protect the earth's resources in perpetuity. Being a premier institute of higher learning, has resolved to play a major role in the education, research, policy formation, and information exchange necessary for a sustained environmental campaign.

The current environmental audit represents the first stage in our efforts to build environmental sustainability on the campus. The audit was conducted by a team of faculty lead by -----  
-----We have conducted this audit for the college to create awareness among not only students but also staff and stakeholders about avoiding engagement in non-eco-friendly activities. We desire to make these activities as a regular part of functioning.

The overall goals of this audit were:

- To introduce students to real concern of environment and its sustainability using the Theem College of Engineering, as a study site.
- To analyze the pattern and extent of resources use on the campus.
- To make the college a more environmentally sustainable institution of higher learning.
- To bring out a status report on environmental compliance.



  
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## About the Theem College of Engineering, Boisar

Theem College Of Engineering (Theem COE) is promoted by the H.J.Thim Trust, which has been founded to educate and empower the youth who play a decisive role in shaping the destiny of the nation.

The College is located at Boisar (East) in serene and tranquil surroundings and was established in the year 2009 with an objective to impart quality education to students in the field of Technology. Theem COE has emerged as the only Premier Engineering College in Boisar with an overall intake of 540 students in various fields of engineering.

### *Vision*

To become a Centre of Excellence in Technical & Professional Education.

### *Mission*

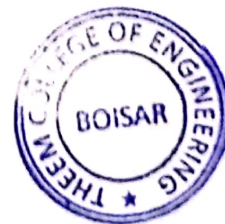
1. To commit for high standards in technical and professional education.
2. To impart quality professional education through ICT initiatives and project based learning.
3. To nurture technocrats and professionals with ethics and human values

### *Quality Policy*

To pursue global standards in all our endeavors namely - teaching, skill-empowering, ICT initiatives and project based learning through continuous processes with self-evaluation.

### *Quality Objectives*

- To follow the conformity of the regulatory requirements of Mumbai University, Govt. of Maharashtra, AICTE, DTE, MSBTE, NAAC and NBA.
- To continue the improvement of teaching aids with modern tools and learning facilities.
- To enhance employability through school finishing initiative.
- To organize Industry Institute Interaction Program, Seminars and STTP for knowledge enhancement and skill-empowerment.
- To monitor academic quality improvement to ensure the earliest corrective action in the event of any non-conformity.
- To measure success in university examinations and overall students' placement through campus interviews.
- To engage stakeholders through social, ethical and community service activities.



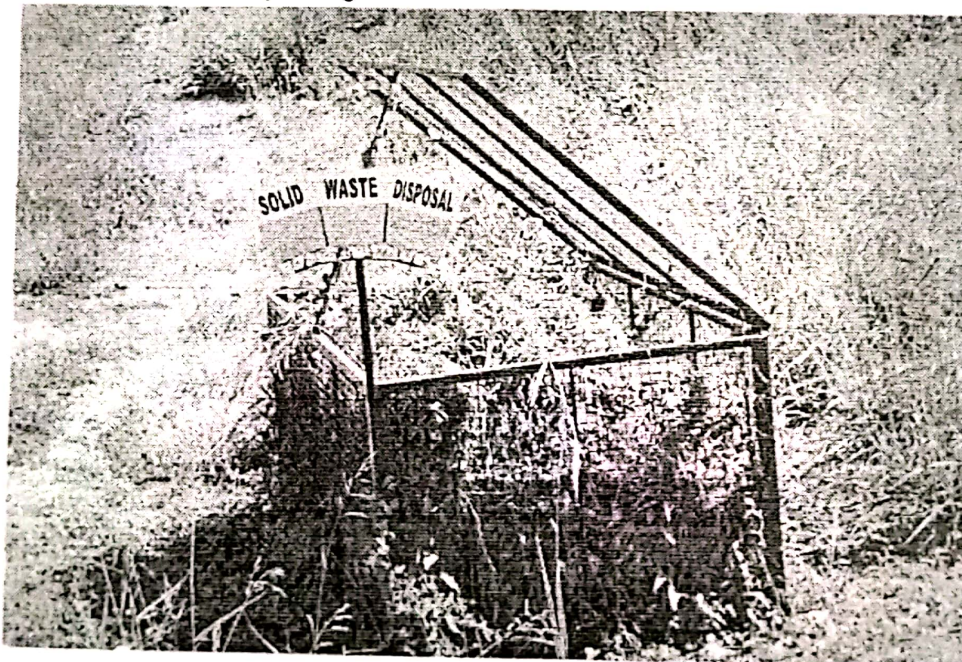
## Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institute which will lead for sustainable development. Theem College of Engineering, Boisar is intensely concerned and totally believes that there is an urgent need to address these basic problems and reverse the trends. Being a leading institution of higher learning, the college has initiated, The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. With this in mind, the specific objectives of the audit were to evaluate the adequacy of the management control framework of Environment Sustainability as well as the degree to which the Departments are in compliance with the applicable regulations, policies and standards.

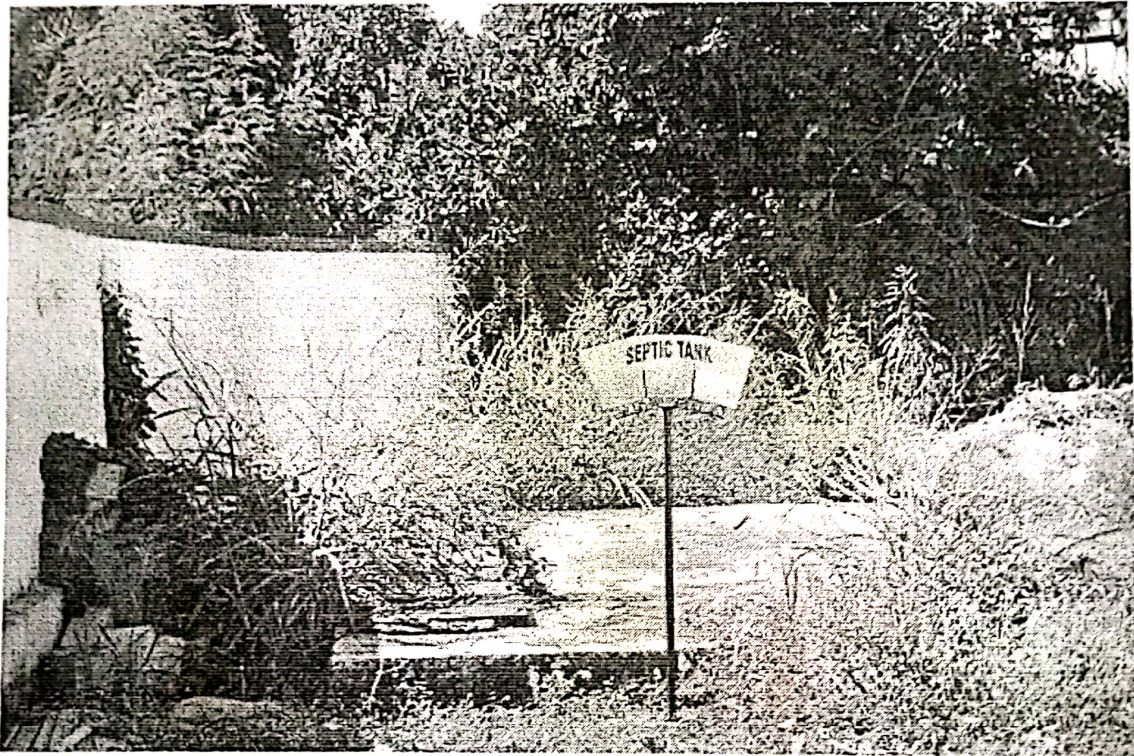
**Environmental Sustainability** is essential for well-being of a society. The institute keeps its best practices under “**Green Practice**” in its premises. The “**Rainwater harvesting**” project was accomplished by final year students of Civil Engineering and it is functional in charging campus bore well and even ground water in subsequent land. **Solar and LED power projects** are also taken up in the premises. The other sustainable activities like **Solid Waste Management, Liquid Waste Management, E-Waste Management, Plastic Free Campus, Dry Agro Waste Conversion, Tree Plantation Drive** for controlling Air-Pollution and better environment, and ‘**Swachh Bharat Mission**’ in the premises as well as nearby areas.

College is adopting zero waste discharge facility to manage the solid, liquid and e-waste.

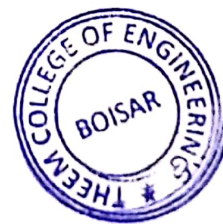
**Solid waste management:** The campus has solid waste management at 3 locations which contain 3 steel-cages of 6x4x3 feet capacity in operation for dumping solid waste. Green and garbage waste like waste food, waste paper and waste material of all the departments are processed and converted for preparing organic fertilizer. The estimated generation of solid waste in the campus is approximate 3 to 5 kg per day that is collected by sweeper and workers from various departments, canteen, and garden. Minimum 38-45 days are required to complete one cycle of composting.




**Liquid waste management:** The institute is equipped with septic tanks, the term “septic” refers to the anaerobic environment that develops in the tank which decomposes or mineralizes the waste discharged into the tank. The plumbing wastewater is collected from various places like - washbasin, toilet, water cooler, kitchen basin, etc. and conveyed to 16m x 10m x 3m size septic tank. Cleaning of Septic tank is done regularly by municipal sludge collecting vehicle. Hazardous Chemicals are kept separately in the laboratory away from the reach of students. Students are made aware of the hazardous chemicals and safety aspects when they are given instructions before utilizing the chemicals.

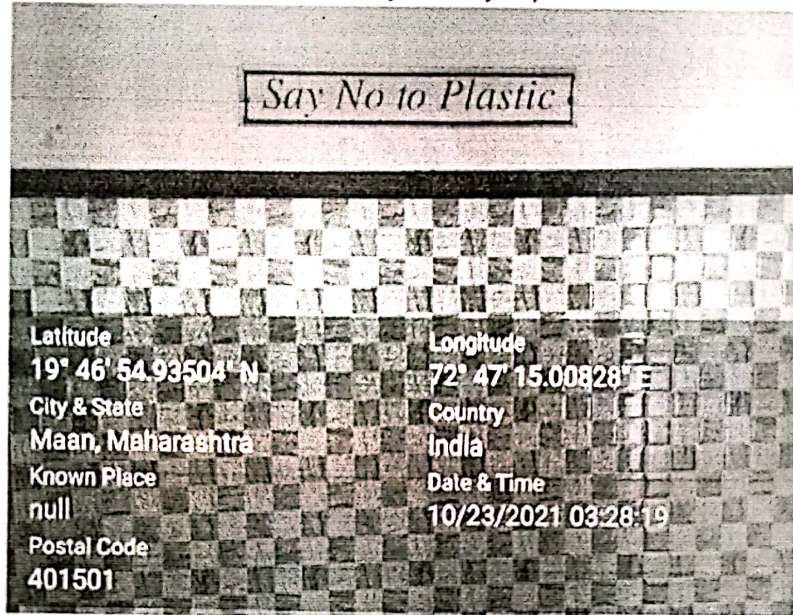


**E-waste management:** The generated e-waste is given to the authorized dealers who purchase the scrap and reuse the useful components. The computer which is under maintenance is checked for useful parts like motherboards, SMPS, RAM for reuse. The MOUs has been done between the college and the vendors for managing the repair of and various electronic components and refilling of printer cartridges.



  
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**Plastic Free Campus:** The institute's campus is plastic free. Faculty members and student coordinators from all departments conducted the **Anti-Plastic Awareness Campaign on 5th March 2020** at college. The motto of the event was creating awareness of plastic's adverse effects on the environment and informing students with the most updated information about the anti-plastic issues. Students prepared posters with "Say No to Plastics" messages and slogans and they were displayed on the walls of the lobby of every department as well as in canteen.



**Paperless Office:** Teaching faculties and students of the institute are using WhatsApp that provides a channel through which teachers can achieve faster and more seamless communication with their students. It can also increase the level of communication among students and create another venue for learning.

#### **Education Strategies for WhatsApp in the institute:**

Here are some basic strategies that educators utilize to take advantage of the core abilities of WhatsApp:

1. All notices, circulars, examination time-table and duty charts are circulated using WhatsApp group of HODs and each department's group.
2. Use the group chat feature to create learning and study groups.
3. Create audio lessons that can be sent directly to students.
4. Stay in contact with students outside the classroom.
5. Send out problems or assignments to students even when they are not in class.
6. Stay in contact with parents.
7. Send graphics such as pictures or charts directly to students.
8. Send report cards directly to the parent's phones.
9. Facilitate real-time communication between students and teachers.

#### **Rain water harvesting structures and utilization in the campus**

Rainwater Harvesting which is labeled as a Green Practice is important for friendly approach environment which has the double benefit in both keeping the groundwater table undisturbed and charging the aquifer. The campus has Rainwater Harvesting Structure through which we get a huge amount of water

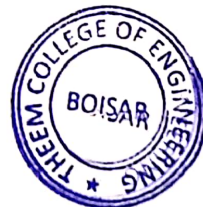
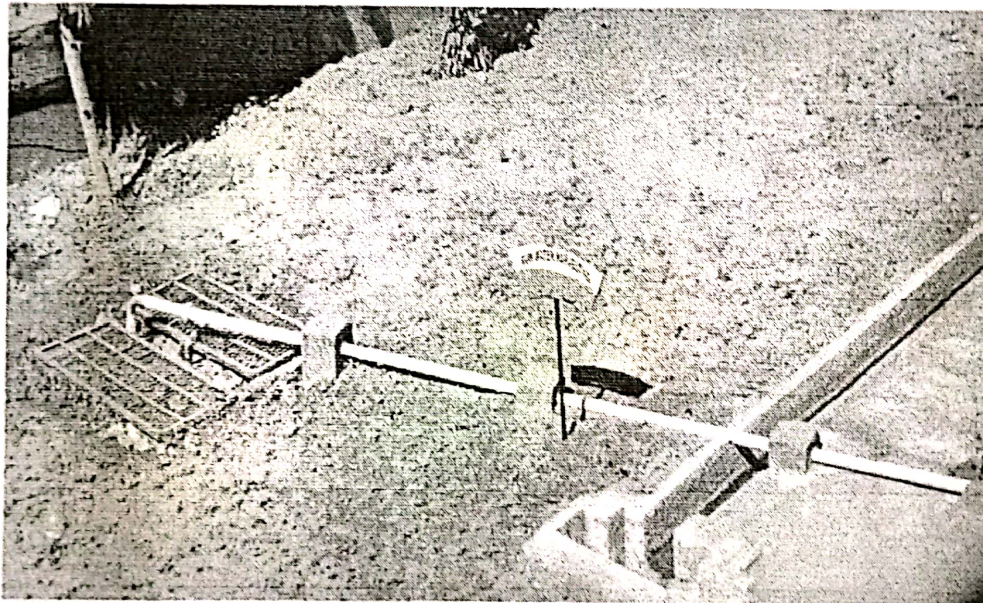
in free of cost with better quality as well whenever there is a downpour. Rainwater harvesting system ensures that our bore-wells are always kept recharged and hence the campus has not felt scarcity of water for many years. The runoff from the terrace of the college building is channelized into three different recharge wells located at three different locations, each measuring 1.6 m x 1.3 m x 2m. All the rooftop rainwater outlets discharge into stormwater drains and then to the recharge structures. The network of pipes linked through chambers takes the rainwater to the recharge tanks.

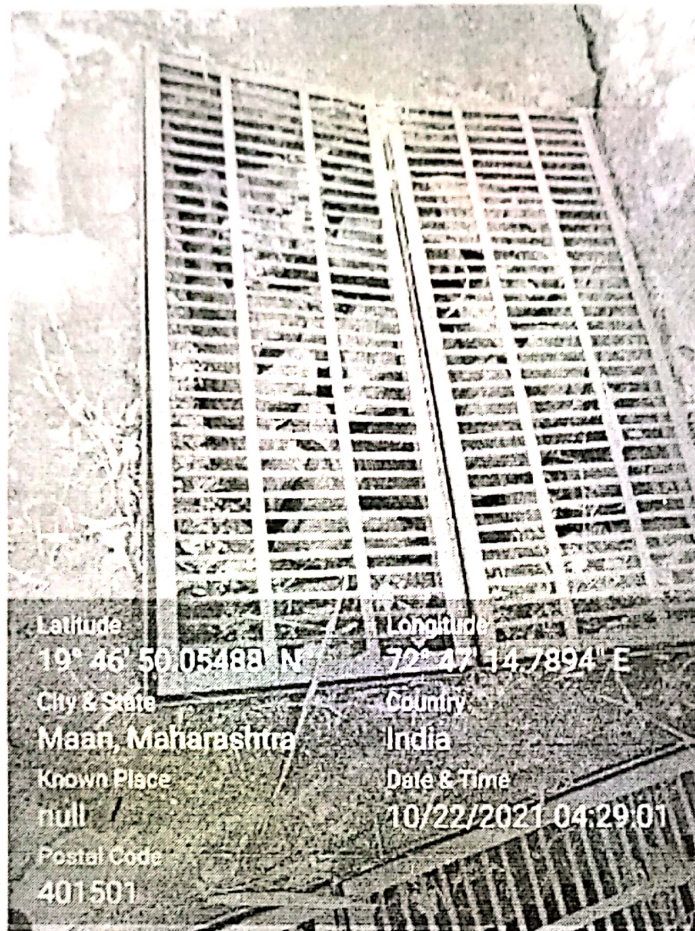
To facilitate groundwater recharge, all structures are provided. Tank capacity of 4160 liters is installed for proper filtration of harvested water. The conserved water will be used for cleaning, washing, gardening, etc. The received rainwater from the roof flows forcefully at very low line area behind canteen through the trench. This water is transferred to open well area through the soak pit and further the institute is trying to place a surface filter.

Rainwater captured and harvested as below:

Roof Top Area = 2399.80 sq. meters (degree building)  
2196.40 sq. meters (diploma building)  
414.14 sq. meters (canteen)

Open space adjacent to buildings = 2320.10 sq. meters  
2435.07 sq. meters (Civil ground and area behind new building)  
414.52 sq. meters (Area in front of diploma building)  
558.79 sq. meters (Area in front of degree building)  
11485.94 sq. meters (Ground)

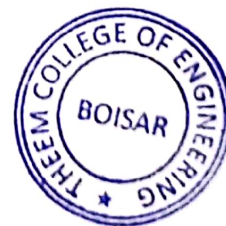




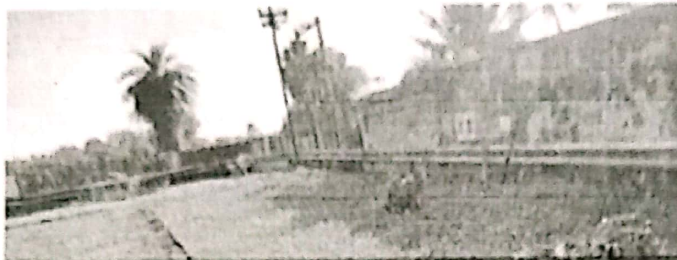
### Green Landscaping with Trees and Plants:

Colleges willingly accepted the green practices and strictly follow them. The college conducts campaign for students and faculty to understand the importance of environmental protection and be mindful about saving energy. The authority frequently appeals to the students and faculty to maintain the tradition of no vehicle day on Saturday. Tree Plantation is one of the most ambitious initiatives of the institute. Tree plantation activity is conducted at the national festivals - *Independence Day* and *Republic Day* in the campus and maintained very well throughout the year.

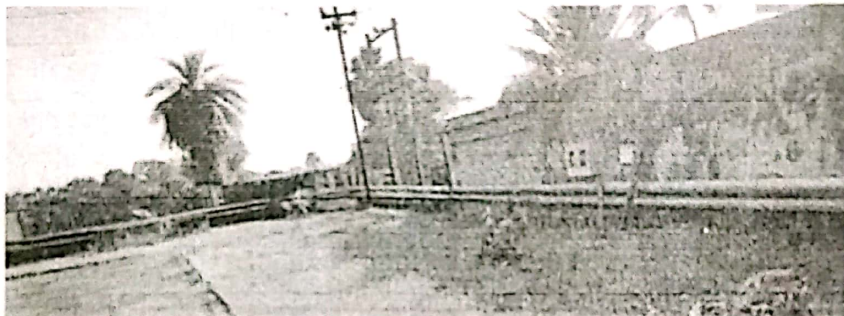
The institute has taken a mandate of planting 1000 saplings to increase the greenery across the campus as well as surrounding of Boisar. Till now, 200 saplings are planted. The institute has a botanical garden with lots of herbal and medicated plants situated adjacent to Them Maker's Vector Workshop.



  
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|                     |                     |
|---------------------|---------------------|
| Latitude            | Longitude           |
| 19° 46' 51.10716" N | 72° 47' 12.2946" E  |
| City & State        | Country             |
| Maan, Maharashtra   | India               |
| Known Place         | Date & Time         |
| null                | 10/22/2021 04:26:23 |
| Postal Code         |                     |
| 401501              |                     |



|                     |                     |
|---------------------|---------------------|
| Latitude            | Longitude           |
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| 401501              |                     |



  
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## Statement of Assurance

The audit has been conducted in accordance with the standard procedures for the professional practice of internal auditing.

In our professional judgment, sufficient and appropriate audit procedures were completed and evidence gathered to support the accuracy of the conclusions reached and contained in this report. The conclusions are based on a comparison of the situations as they existed at the time of the audit with the established area.

## Methodology of Audit

In order to meet its objectives, this audit combined physical inspection with review of relevant documentation and interactions with departmental staff members and students.

- Review of the Documentation: For the purpose of this audit Green audit frame work was reviewed.
- Interviews: Interviews were conducted with the principal, departmental faculties and students.
- Physical Inspection: The audit team was conduct physical observation in the college campus to inspect the green practices.

## Summary of Findings

The main findings of the audit show that, all the department staff and students are aware about the needed for environmental protection at a general level. It was also observed that a number of best practices such as maintaining the collection of waste separately, introduce rain water harvesting to new building structures, implementing plastic free campus etc. are followed in the college premises.



## Audit framework and detailed findings

The following audit framework is used for conducting Green Audit in 2020-21. The frame work also lists the finding and also observations for every criterion.

- **Waste Generation and Management**

**Objective:** Maximize the waste recycled and minimize the quantity of non-recycled refuse.

**Activity:** Segregation of waste

**Audit Observation:** Waste Material is segregated as per category like Paper, Cardboard, Scrap Wood, Scrap Metal, Plastic scrap, glass, laboratory rags etc. Each waste is stored at departmental level and periodically sending to other purposes.

| Type of waste    | Audit Observation  |
|------------------|--|
| Paper Waste      | <ul style="list-style-type: none"> <li>• One side rough paper is used for the printing of Notices, Time Tables etc. in each department.</li> <li>• Waste papers are sending for shredding to prepare thread and card sheet.</li> <li>• Email and Mobile media communication is used for minimize the use of paper.</li> </ul>  |
| Plastic waste    | <ul style="list-style-type: none"> <li>• Plastic bottles, caps and other waste material are stored separately at departmental level and sell as a scrap material</li> </ul>  |
| Electrical Waste | <ul style="list-style-type: none"> <li>• Electrical waste like damaged electrical board, switches, cut wires are collect by electrician and replace this with new one and remaining wastage is sold as scrap.</li> <li>• Electrical waste related to computer, key boards, and mouse is collect by Computer science department for repairing and replaces the damaged one and remaining wastage is sold as scrap.</li> </ul> |

- **Waste Generation and Management**

**Objective 1:** Collection of waste.


**Activity:** Students as well as faculties of different department concern about waste collection. They do not throw the paper waste in the surrounding premises of college campus.

**Audit Observation:** Proper dustbins are provided to each department. Also 2 large (Steel and plastic) dustbins are install at various location in the college campus for collection of waste including administration office, college canteen, near garden etc.

**Objective 2:** Plastic free Campus.

**Activity:** Motivate students about harm of plastic carry bags and items to convince them for no use of plastic in college premises.

**Audit Observation:** To aware all students as well as faculties of different department about "Say No to Plastic" in college campus, awareness boards are display at various location in the college campus.

  
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**Objective 3: Management of Garden Waste.**

**Activity:** Installation of compost pit.

**Audit Observation:** The collected wastes from garden, debris, leaf litter are collect dumped into compost bins to prepare the compost manure from the waste.

- **Water conservation**

**Objective 1: Water conservation.**

**Activity:** Rain Water Harvesting

**Audit Observation:** Rain water harvesting facility is provided to main building and new COE buildings.

**Objective 2: Water Saving.**

**Activity:** Water Audit

**Audit Observations:**

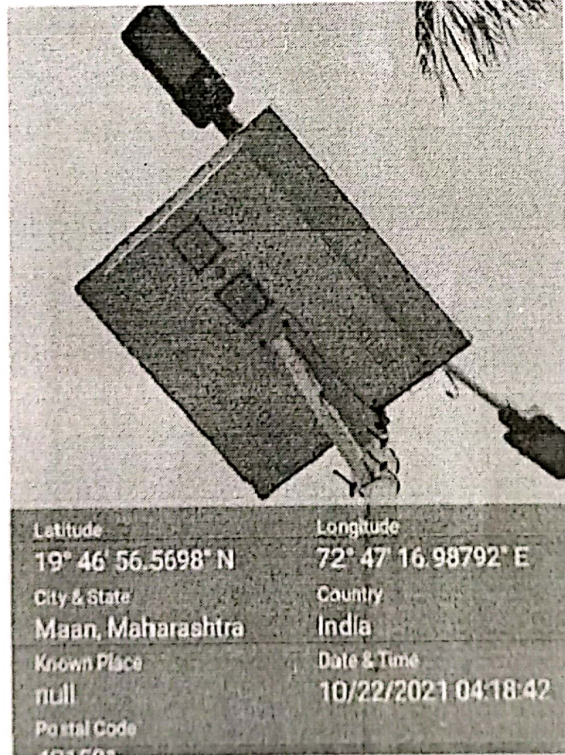
1. The storage (overhead/underground tank) checked periodically for any leakage.
2. The water taps were checked periodically to prevent from any leakage.
3. The leakage taps are periodically replaced by new one.

- **Energy Consumption (Electrical Energy & Fuel Energy)**

**Objective 1: To save the electrical energy.**

- **Activity:** Use of LED and solar panels.

**Audit Observation:** Solar and LED power projects are also taken up in the premises.



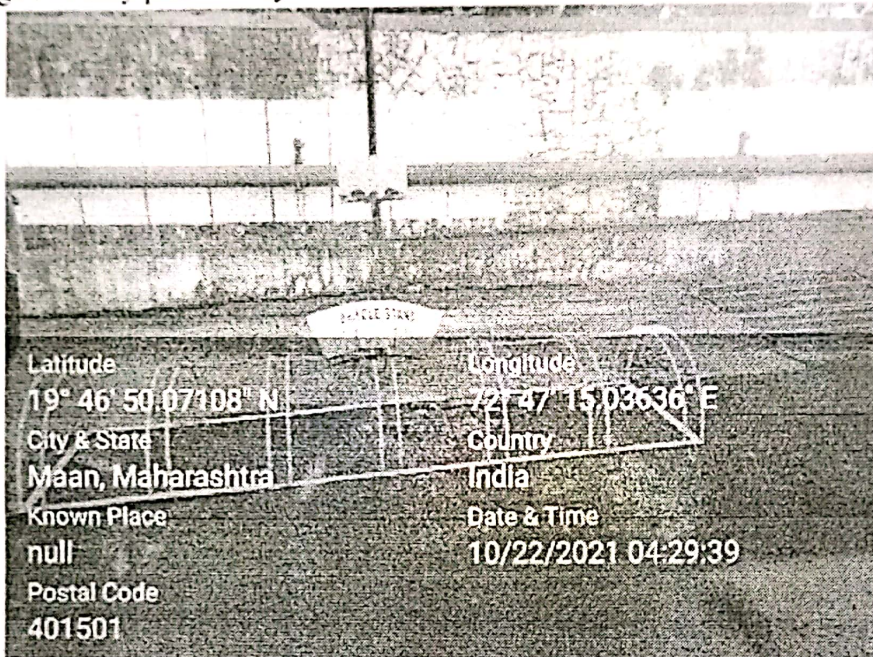
  
PRASHANT KALE  
ARCHITECT  
REG. No. CA-87-10489

**Objective 2:** To save the fuel energy.

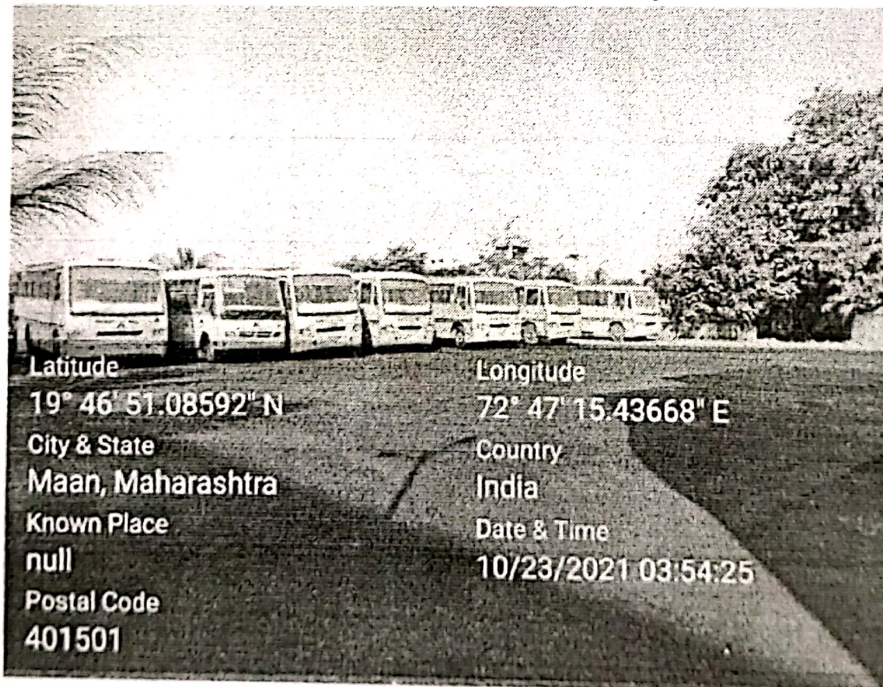
**Activity:** Motivate to students and faculties for reduce the use of vehicles in college campus.

**Audit Observation:**

A) **Bicycle:** The institute's security guards as well as some students uses the bicycle to attend the college and they park it at cycle stand.



B) **Public Transport:** Most of the staff and students use college bus transport service in both routes such as Chitralaya to college, Tata Housing Society to College. Railway station to college. The outstation staff and students use railways to reach Boisar.



  
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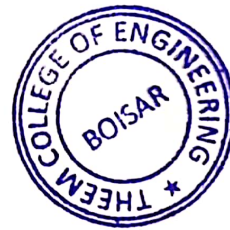


- **Green Campus**

**Objective:** To increase the Green Cover within the college campus.

**Activity:** Establishment of botanical garden, Green House and Shade Net House

**Audit Observation:** The institute maintains its campus with clean air, water, and greenery by following green and sustainable practices. The entire campus is well maintained with a rich collection of trees and plants that make the environment carbon dioxide free and to maintain inmate's good health.

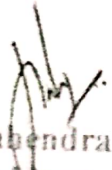


## Recommendations

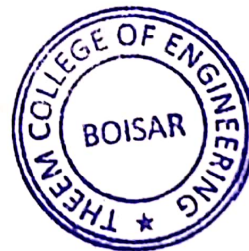
Following the audit, several recommendations were made to the college authority by external audit team.

| Sr. No. | Criteria          | Recommendations   |
|---------|-------------------|---|
| 1       | Paper Use         | Use email communication for Internal/departmental notices to minimize the use of paper  |
| 2       | Lighting (Energy) | Use LED light instead of regular tube light to conserve the electricity.  |
| 3       | Vehicles          | Monitoring the PUC of every vehicle within the campus at least once in a year to minimize the vehicular pollution load.   |
| 4       | Energy (Fuel)     | <ol style="list-style-type: none"><li>1. Maintain the record of Diesel used for DG set.</li><li>2. Control the use of DG set as per requirements only.</li><li>3. Monitoring the function of DG set by external party regarding consumption of fuel and working efficiency.</li></ol> |

**Audited by**

  
Mahendra Kale  
Architect

MAHENDRA KALE  
ARCHITECT  
REG. No. CA-87-10489



An  
Energy Audit Report  
of

Theem College of Engineering,  
Boisar

For the year

2020-21

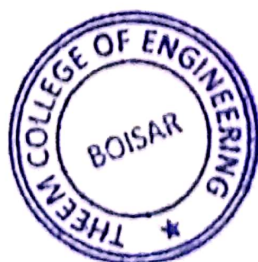
Submitted by

External Audit Team

Audited by

Mahendra Kale

Architect



## Executive Summary

The department of Electrical Engineering presents the important observations and measures of various field measurements and analysis to reduce the Energy Consumption.

1. **Theem College of Engineering, Boisar** consumes Electrical Energy in various appliances like office, classrooms, laboratories, workshop, corridors, entrance, staircase, canteen and street lights, etc.

2. **The Current Level of Energy Consumption:** The Energy Consumption details for the year 2020-21 are as the following:

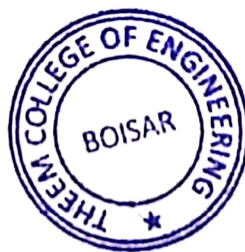
| Sr. | Parameter | Units consumed, kWh |
|-----|-----------|---------------------|
| 1   | Maximum   | 10398               |
| 2   | Minimum   | 8103                |
| 3   | Average   | 8653                |

### 3. Recommended Alternate Energy Initiatives:

The department recommends the institute for promoting Solar Energy Systems at different location of the campus such as roof of the building, parking area, etc. to generate more solar energy for the use of main building, canteen and its surrounding areas. Increasing Alternate Energy Sources helps us to decrease the use of electrical energy.

### 4. Percentage of LED Bulbs' Lighting Power Requirements:

The weightage to replace the existing conventional tube-light into LED lamps should be taken care. This replacement will decrease the percentage of lighting power.

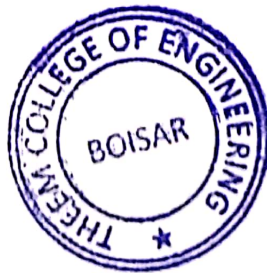


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## Abbreviations

|        |   |
|--------|---|
| CFL    | Compact Fluorescent Lamp                                |
| LED    | Light Emitting Diode                                    |
| MSEDCL | Maharashtra State Electricity Distribution Company Ltd. |
| MIDC   | Maharashtra Industrial Development Corporation          |
| V      | Voltage   |
| I      | Current   |
| kW     | kilo-Watt   |
| kVA    | Active Power  |
| kVAr   | Reactive Power  |
| P F    | Power Factor  |



# Introduction

## 1.1 Objectives:

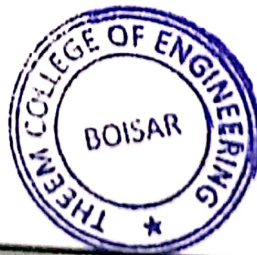
1. Studying the present level of Energy Consumption
2. Assessing various equipment/facilities from Energy Efficiency Aspect
3. Studying the scope of using Renewable Energy
4. Studying various measures to reduce the Energy Consumption

## 1.2 Audit Methodology:

To study the connected loads

To study the various electrical lighting system and equipment

To prepare the Report of various measures and payback analysis



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## Study of Connected Load

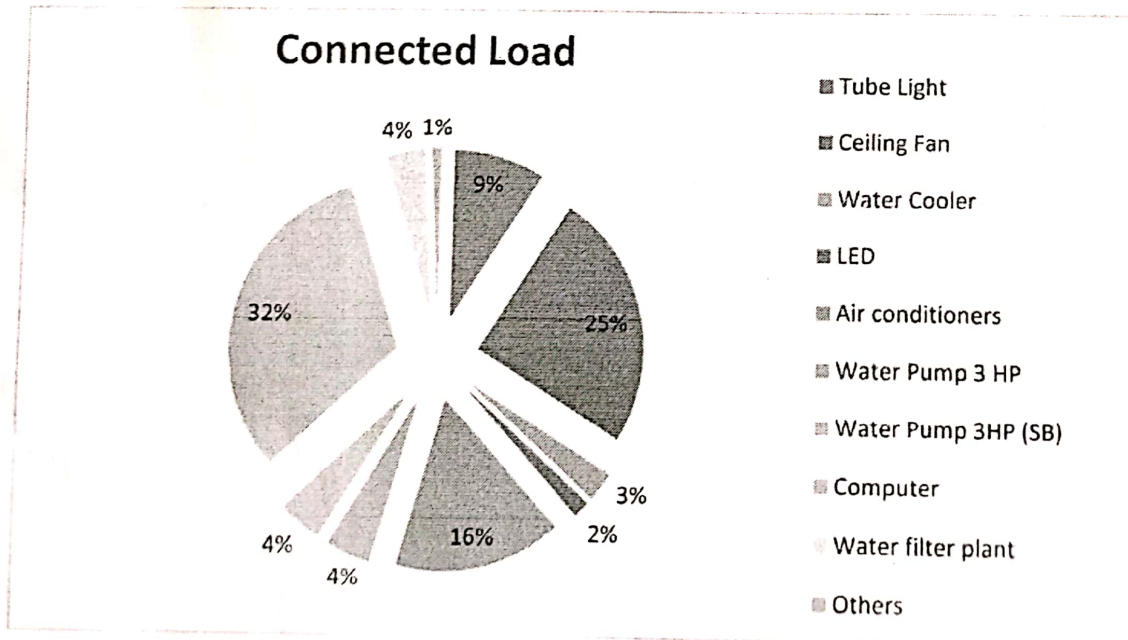
Table: 1

2.1 Details of Overall Connected Load:

| Sr No        | Item                | Quantity | Load, W/Unit | Load, kW       |
|--------------|---------------------|----------|--------------|----------------|
| 1            | Tube Light          | 347      | 40           | 13.88          |
| 2            | Ceiling Fan         | 511      | 75           | 38.23          |
| 3            | Water Cooler        | 7        | 610          | 4.28           |
| 4            | LED                 | 55       | 36           | 1.98           |
|              |                     | 36       | 18           | 0.64           |
|              |                     | 50       | 15           | 0.75           |
| 5            | Air conditioners    | 10       | 2500         | 25             |
| 6            | Water Pump 3 HP     | 3        | 2238         | 6.714          |
| 7            | Water Pump 3HP (SB) | 3        | 2238         | 6.714          |
| 8            | Computer            | 397      | 125          | 49.625         |
| 9            | Water filter plant  | 2        | 2984         | 5.968          |
| 10           | Others              | 1        | 100          | 1.5            |
| <b>Total</b> |                     |          |              | <b>155.281</b> |

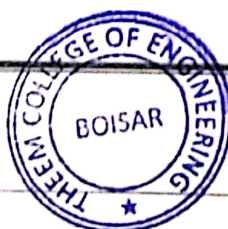
The above table report is presented in PIE Chart:

Chart No-1: Details of Connected Load:



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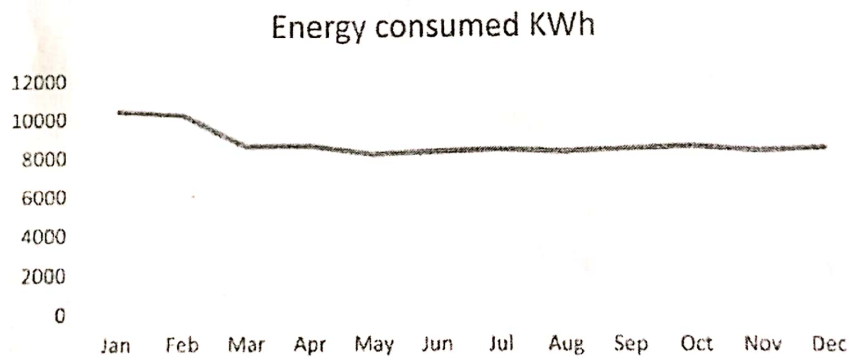


### Chapter 3 – Study of Energy Consumption

we present the analysis of last a year and present year Electricity Bills Table

| Sr No. | Month          | Energy consumed KWh |
|--------|----------------|---------------------|
| 1      | Jan            | 10398               |
| 2      | Feb            | 10172               |
| 3      | Mar            | 8535                |
| 4      | Apr            | 8539                |
| 5      | May            | 8103                |
| 6      | Jun            | 8235                |
| 7      | Jul            | 8339                |
| 8      | Aug            | 8203                |
| 9      | Sep            | 8335                |
| 10     | Oct            | 8439                |
| 11     | Nov            | 8203                |
| 12     | Dec            | 8335                |
| 19     | <b>Maximum</b> | <b>10398</b>        |
| 20     | <b>Minimum</b> | <b>8103</b>         |
| 21     | <b>Average</b> | <b>8653</b>         |

To study the variation of Monthly Units' Consumption:

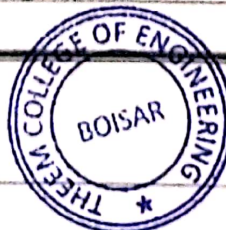


**Key Inference drawn:**

From the above analysis, we present following important parameters:

Various Important Parameters of Energy Consumption:

| Sr. No. | Parameter | Units Consumed KWh |
|---------|-----------|--------------------|
| 1       | Maximum   | 10398              |
| 2       | Minimum   | 8103               |
| 3       | Average   | 8653               |



## Chapter 4 – Usage of Alternate Energy Sources

### 4.1 The benefit of Installing Solar PV Power Pack:

The audit revealed that the college has ample space on terrace which could be used for installation of Solar Panels. This helps less use of coal to produce electrical energy which reduces the carbon-dioxide emission. The further calculation shows that simple pay back period of the alternative energy system

### 4.2 Analysis of daily unit consumption and Solar Street Light Capacity:

The following table provides the calculation of Solar Street Light, cost involved with Simple Payback Calculations.

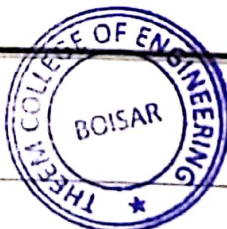
Existing system = 7 halogen bulb of 1000W  
 Initial Power consumption = 7000W  
 Energy Consumed in 1hr = 7kwh  
 Energy consumed in 10hrs = 70kwh  
 For 1day cost = 70kwh × 9Rs = 630Rs  
 For 1week cost = 4410Rs  
 For 1 month = 17640Rs  
 For 1 year = 211680Rs

Initial investment for solar panel = 102900 Rs  
 No. of light replace with solar system = 7  
 Power consumption = 25w × 7 = 175w  
 Energy consumed in 1hr = 0.175kwh  
 Energy consumed in 10 hr = 1.75kwh  
 For 1 day cost = 1.75 × 9 = 15.75Rs  
 For 1 week = 110.25Rs  
 For 1 month = 441Rs  
 For 1 year = 5292 Rs

Annual Cost savings after replacement of halogen lights with Solar system = 211680 - 5292 = 206388 Rs

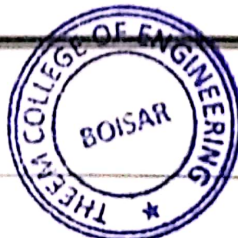
Payback period for solar panel =  $\frac{\text{Investment required}}{\text{Annual saving potential}} = \frac{102900}{206388} = 0.5 \text{ year} = 6 \text{ months}$

| SrNo | Particular                          | Value  | Units       |
|------|-------------------------------------|--------|-------------|
| 1    | Solar PV Plant Capacity             | 7      | kW          |
| 2    | Avg Units Gen/kWp of Solar PV Plant | 0.175  | kWh/Day     |
| 3    | Daily Average Units generated       | 1.75   | kWh/Day     |
| 4    | Annual units generated              | 638.75 | kWh/Annum   |
| 5    | Annual Saving potential             | 206388 | Rs lump sum |
| 7    | Investment Required                 | 102900 | Rs lump sum |
| 8    | Simple Payback period               | 6      | Months      |



**7.1.4 Percentage of lighting power requirements met through LED bulb**

| Total lighting power requirements | Corridor of each floor in the A Building | Security Cabin | Principal Office Entrance | Street Lights | Seminar Hall on second floor | Library |
|-----------------------------------|--|----------------|---------------------------|---------------|------------------------------|---------|
| Source of Lightening              | Tube light                               | Tube light     | LED                       | LED           | LED                          | LED     |
| Quantity                          | 7  | 1              | 20                        | 50            | 30                           | 10      |
| No. of floors                     | 4  | 0              | 0                         | 0             | 0                            | 0       |
| Total Quantity                    | 28                                       | 1              | 20                        | 50            | 30                           | 10      |

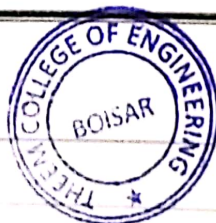


| Source of Lightening   | Tube light | Principal Office Entrance | LED (Street Light) | LEDs in Seminar Hall on second floor and library |
|--|------------|---------------------------|--------------------|--|
| Total Quantity   | 28         | 50                        | 50                 | 40   |
| Wattage of each source(W)  | 40         | 15                        | 36                 | 18   |
| Total power required for each source                                   | 1120       | 750                       | 1800               | 720  |
| Days per year for corridor and street lighting                         | 365        |                           |                    |  |
| Hours per day for corridor and street lighting                         | 8          |                           |                    |  |
| Annual lighting power requirement for corridor and street lighting(kW) | 8526.400   |                           |                    |  |
| Days per year for indoor lighting                                      | 270        |                           |                    |  |
| Hours per day for indoor lighting                                      | 8          |                           |                    |  |
| Annual lighting power requirements for indoor lighting(kW)             | 3175.2     |                           |                    |  |
| Annual total lighting power requirement (Kw)                           | 11701.600  |                           |                    |  |
| Total lighting power requirements met through LED bulb(kW)             | 7063.2     |                           |                    |  |
| Percentage of lighting power requirements met through LED Lights       | 60.36%     |                           |                    |  |
| Percentage Lighting through other sources                              | 39.64%     |                           |                    |  |

**Audited by**

Mahendra Kale  
Architect

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ARCHITECT  
REG. No. CA-87-10489



#### **4. Clean and green campus initiatives.**





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Tel.: +917769916109 • Email : info@theemcoe.org • Website : www.theemcoe.org

## Circular

Reference Circular No: TCOE/NSS/2023-24/08/005

10<sup>th</sup> August 2023

### “WORLD ENVIRONMENT DAY”

All NSS Volunteers are hereby informed that Under Meri Maati Mera Desh, Civil Engineering Department and NSS Unit of Theem College of Engineering, Boisar in collaboration with IIC & IQAC are organizing World Environment Day on 10<sup>th</sup> August 2023.  
Chief Guest - 'Jabbar Pathan: Ex-Army Officer'.

Venue: 2nd Floor, Seminar Hall, Theem College of Engineering.

Day & Date: Thursday, 10<sup>th</sup> August 2023

Time: 2:30 pm

All are requested to report near the Seminar Hall before 15 minutes of the commencement of the program.

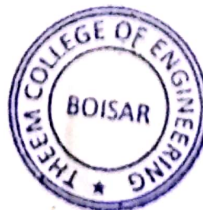
  
Programme Officer

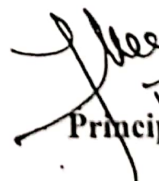
Prof. Arbiya Shaikh



— sd —  
Director

Dr. N. K. Rana



  
Principal

Dr. Riyazoddin S.

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar





H. J. THIM TRUST'S  
**THEEM COLLEGE OF ENGINEERING, BOISAR**  
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Affiliated To University of Mumbai

Village Betegaon, Near Union Park, Boisar Chilhar Road, Boisar (E), Tal.-Dis.-Palghar, 401501. Tel: (02525) 284909 / 284926,  
•Telefax : (02525) 284 927 •Email ID : info@theemcoe.org •Website : www.theemcoe.org

Date: 9/08/2023

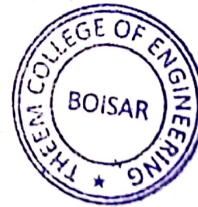
**INVITATION LETTER**

To,  
Mr. Jabbar Pathan,  
Retired Havaldar, BRO Pune,  
Maharashtra 411015

**Subject:** Invitation for being chief guest and speaker on VEERON KO NAMAN, MERI MAATI MERA DESH.

Dear Sir,

It is our privilege to inform you that Theem College of Engg, Boisar in collaboration with IQAC, IIC (Institutions Innovation Cell) has organized an Expert talk on Environment Day. We cordially invite you to be chief guest and speaker on 10th August 2023 at 2:30 PM. So kindly accept our invitation.



Thanks & Regards.

*[Signature]*  
Principal  
Dr. R. Siddiqui

*[Signature]*  
H O D Civil  
Prof. Faiz Mohammad Khan

*[Signature]*  
NSS P.O.  
Prof. Arbiya Shaikh

**PRINCIPAL**  
**THEEM COLLEGE OF ENGINEERING**  
Village Betegaon, Tal. & Dist. Palghar - 401 501

*[Signature]*

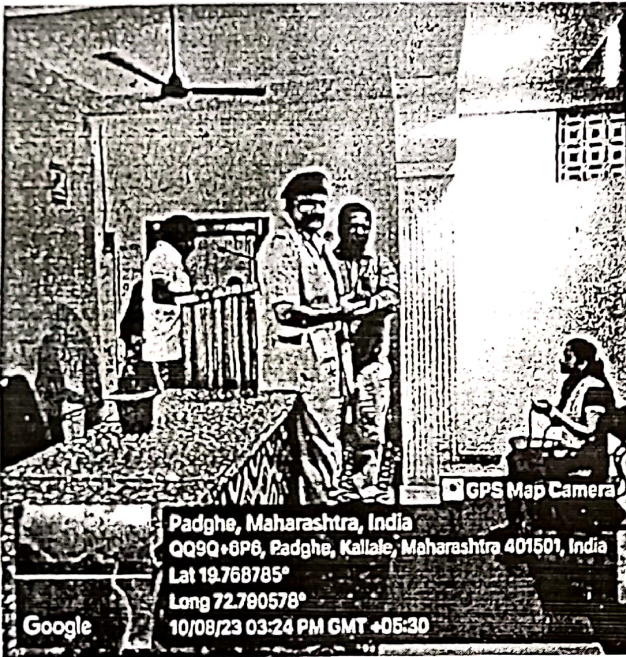




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Padghe, Maharashtra, India  
QQ9Q+6P6, Padghe, Kallale, Maharashtra 401501, India  
Lat 19.768785°  
Long 72.790578°  
10/08/23 03:24 PM GMT +05:30



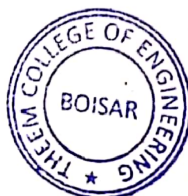
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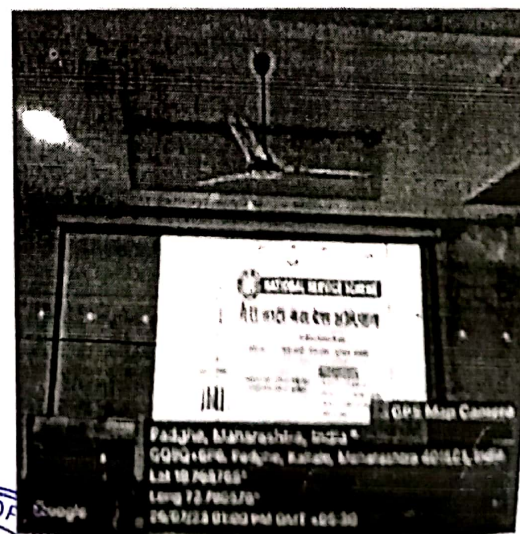
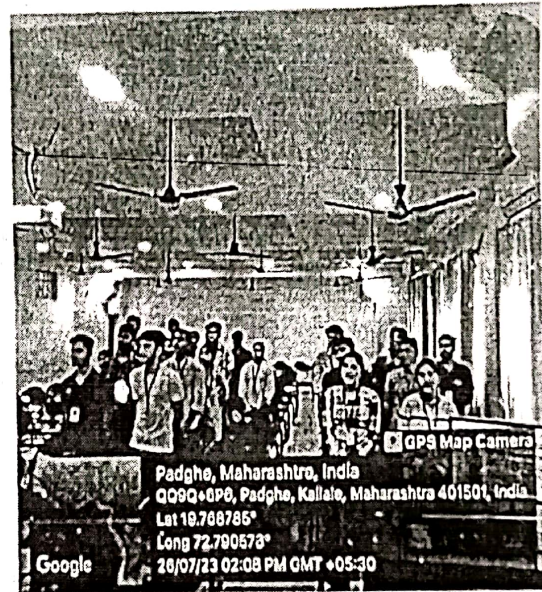
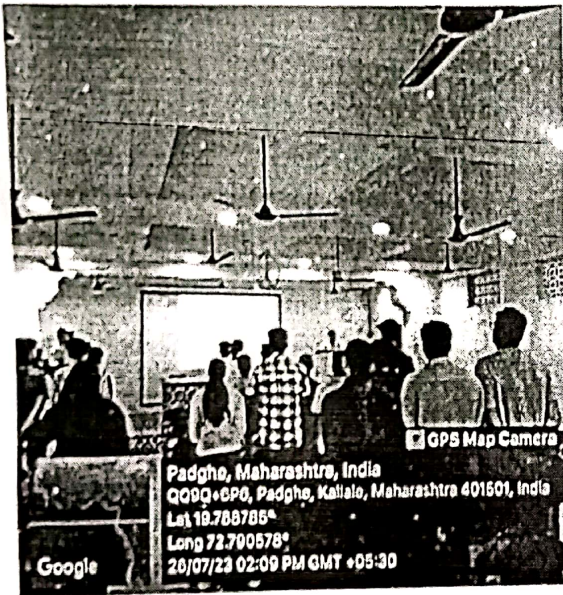




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## REPORT

Activity: वीरो को नमन

Date: 11/08/2023

Objective of Activity: To Spread Awareness about Environmental Changes

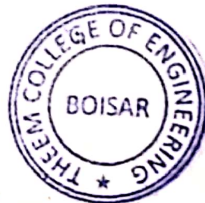
- VENUE: 2nd Floor, Seminar Hall, Theem College of Engineering.
- TIME: 02:30 p.m.
- Organized by: N.S.S. Volunteers and Civil Department.

Agenda of Activity:

1. To Create Awareness about the drastic Change in the Environment.
2. To discuss the possible methods to overcome the issues

Execution:-

1. Our NSS Volunteers and Civil Engineering Department did all the arrangements.
2. Activity started at 02:30 p.m.
3. On 10<sup>th</sup> of August the NSS Unit & Civil Engineering Department of Theem college of Engineering organized an event to spread awareness.
4. Our Chief Guest Mr. Jabbar Pathan Ex-Army who served our nation for 18 years in the battalion of 22 Maratha Light Infantry (Hyderabad).
5. The event started by felicitation of our chief guest Mr. Jabbar Pathan and his family.
6. Later in he shared this experience in the Indian Army and his story of bravery followed by his thoughts and view's on the ingrowing global warming and environmental issues and shared the importance to protect our environment for the future generations.
7. Later the day a short film was presented by the Civil Engineering department on Climate change & global warming which lead to an open house Quiz on environment.
8. The event ended with a great success.





H. J. THIM TRUST'S  
**THEEM COLLEGE OF ENGINEERING**

Approved by AICTE (New Delhi), Government of Maharashtra & DTE, Affiliated to University of Mumbai & MSBTE, Estd. 2009  
A NAAC Accredited Institute

Village Betegaon, Boisar Chilhar Road, Boisar (E), Tal. & Dist.: Palghar - 401 501.  
Tel.: +917769916109 • Email : info@theemcoe.org • Website : www.theemcoe.org

NSS Volunteers had attended this event responsibly. After the event students expressed their positive feedback.

**Outcome:-**

1. NSS volunteers has been participated actively.
2. The event has been done successfully.

**Message of Principal:** Principal Sir has been suggested how to do this kind of activity and how can we help to our society with the help of social activity.





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## Circular

Reference Circular No: TCOE/NSS/2023-24/08/004

08<sup>th</sup> August 2023

## मेरी माती मेरा देश अभियान

LET'S PLANT 🌳 🌱 🌲 TREES LET'S PLANT HOPE

Under the circular from Government of India, MINISTRY OF CULTURE, NEW DELHI dated July 23, 2023.

All of the volunteers let's join your hands for Activity: "TREE PLANTATION" in Collaboration with Grampanchayat, Navapur and Industry PAL FASHION LTD.


This event is going to be held on 9/8/23, Wednesday at 10:00 am at Navapur Village, Palghar Taluka, Boisar.

Venue: Navapur Village, Palghar Taluka, Boisar.



Date: 09<sup>th</sup> August 2023

Time: 10:00 am.

All Volunteers have to be present on 9/8/23 at 9:30 am sharp near Navapur Naka in NSS T-shirts.

  
Programme Officer  
Prof. Arbiya Shaikh



  
  
Director

Dr. N. K. Rana

  
Principal

Dr. Riyazoddin S.

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar -401 501



Date: 28/07/2023

To,

1. All Regional Director,  
Regional Directorate of NSS
2. State NSS Officers,  
All States/UTs

**Subject :- Programme on "Meri Maati Mera Desh" at all Educational Institutions from 9<sup>th</sup> August to 15<sup>th</sup> August, 2023 - reg.**

Sir/Madam,

I am directed to refer to the D.O. Letter No. 42-22/261/2023-AKAM on 22/07/2023 from Secretary, MoYAS on the subject cited above to inform that Azadi Ka Amrit Mahotsav (AKAM) is being celebrated as a nationwide and people led initiative to commemorate 75 years of India's independence and the glorious history of its people, culture and achievements.

2. 'Azadi Ka Amrit Mahotsav' started on 12<sup>th</sup> March, 2021 with a march from Sabarmati to Dandi. In this over two years journey, AKAM programmes have witnessed massive Jan bhagidhari. Till the end of June, 2023 more than 1.9 lakh events were undertaken, out of which State and Union Territories have done 1.6 lakh recorded events. As on date, 9 AKAM related programmes are done every hour. This is the largest celebratory effort in the post-Independence history of India dedicated to 75 years of freedom. This would not have been possible without the active support of the State/UT Governments.

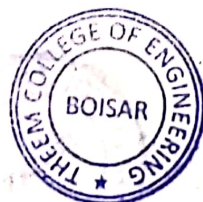
3. "Meri Maati Mera Desh" programme is envisaged as a culminating event of 'Azadi Ka Amrit Mahotsav'. It involves paying tribute to the 'Veers', who have made the supreme sacrifice for the country, by conducting ceremonies at Panchayat/Village/Institution, Block, Urban Local body, State and National level.

4. The details of the programmes under "Meri Maati Mera Desh" to be organized in the Institution along with Rural and Urban Areas are given below:

A. **Programs in Rural Areas:** There are three key stages to the programme in the rural areas- Panchayat/Village/Institution level programme, Block level Programme and the Finale at the National Capital.

i. **Institution/Panchayat level programs:** These programmes are to be organized between 9th August and 15th August, 2023. NSS volunteers will assist the NYKS at Panchayat level. There are five elements of the Panchayat level programmes as detailed below:

a. **Dedication of Shilaphalakam (memorial):** A fundamental aspect of the program is to express heartfelt gratitude to all the bravehearts (Veer) who have made the supreme sacrifice. On the Shilaphalakam, names of the Veers are to be inscribed. For this purpose, the Veers include freedom fighters, defence personal personnel of Central Armed Police Forces and State who laid down their lives in the line of duty. Shilaphalakam may preferably be erected near Amrit Sarovars or in the absence of Amrit Sarovar, some other appropriate water body. In case, no such water body is available, the Shilaphalakam may be constructed in the Panchayat building or local school or at some other prominent location. (The design of the Shilaphalakam is enclosed in the Annexure). Events may be held at panchayat/Village from 9 August to 15 August, 2023 near Shilaphalakam.



*Prof. Ashwini (NSS)*



b. **Panch Pran Pledge:** At the memorial site; people will take a solemn pledge covering Panch Pran of the Hon'ble Prime Minister, affirming their commitment to the country. The pledge is given below:

"I pledge to play my part in building a developed India.

I pledge to remove any trace of colonial mindset.

I pledge to take pride in promotion & preservation our rich cultural heritage.

I pledge to strive for the unity and solidarity of the country.

I pledge to fulfil my duties and responsibilities towards my nation.

I pledge to honour the sacrifice of our country's brave-hearts and devote myself to nation's defence & progress".

**पंच प्रण प्रतिज्ञा नीचे दी गई है:**

मैं एक विकसित भारत के निर्माण में अपनी भूमिका निभाने की प्रतिज्ञा करता हूँ

मैं औपनिवेशिक मानसिकता के किसी भी निशान को हटाने की प्रतिज्ञा करता हूँ।

मैं अपनी समृद्ध सांस्कृतिक विरासत को बढ़ावा देने और संरक्षित करने में गर्व महसूस करने की प्रतिज्ञा करता हूँ

मैं देश की एकता और एकजुटता के लिए प्रयास करने की प्रतिज्ञा करता हूँ

मैं अपने प्रति अपने कर्तव्यों एवं उत्तरदायित्वों को पूरा करने की प्रतिज्ञा करता हूँ

मैं हमारे देश के बहादुरों के बलिदान का सम्मान करने और देश की रक्षा और प्रगति के लिए खुद को समर्पित करने की प्रतिज्ञा करता हूँ"

During the ceremony, NSS Volunteers/Programme Officer/Public would either individually or collectively take a selfie while taking the pledge with soil in the hand and upload to the dedicated website. This would be a key public activation activity to ensure high janbhagidari.

c. **Vasudha Vandhan:** Each Gram Panchayat/village/ Institution will renew and replenish Mother Earth by planting 75 saplings of Indigenous species and developing an AmritVatika.

d. **Veeron Ka Vandan:** Each Institution(NSS Units) may hold felicitation ceremonies at institution level for honoring the freedom fighters and the families of the deceased freedom fighters. They may also honour retired personnel from Defence, CAPF and State Police and the families of the brave hearts of these forces who have sacrificed their lives in the line of duty. Felicitation may be as per local traditions and customs.

e. Hoisting of the National Flag and singing of Rashtragaan may be undertaken at each of the programme sites.

ii. **Block Level Programs/Institution:** NSS Volunteers would extend support to NYKS volunteers to collect Mitti from each Panchayat/Village and bring them to the block level. From each Block, Mitti-Kalash having the soil from all the Panchayat/Village, would be carried to the National Capital For better youth participation at Gram Panchayat/Village and Block level, the District Youth Officer of NYKS, Department of Youth Affairs may be associated with the programme.

iii. **Finale Event at New Delhi:** From 27 August to 30<sup>th</sup> August, 2023, the collected Mitti-Kalash will be transported to Kartavya Path, New Delhi. The Mitti from all parts of the country would be utilized to develop a unique garden, called Amrit Vatika, with plantation of the indigenous species. An AKAM Memorial dedicated to all the heroes who have contributed for the freedom, unity and integrity of the country would be erected.

**B. Programs in Urban Areas:** There are three key stages to the programme in the Urban areas. The first level of programmes will be held in the small Urban Local bodies, Notified Area Councils (NAC). Cantonment Boards, Town Panchayats. Second level programmes will be at bigger Municipalities and Municipal Corporations and the third level, i.e. the finale will be at the National Capital.



- i. **Programmes in Universities/ Colleges/ Schools/ Small Urban bodies/ NAC/ Cantonment Boards/ Town Panchayats:** These programmes are to be between 9th August and 15th August 2023. In these areas all the five elements detailed for the rural areas in para 4 (A) (i) may be conducted.
- ii. **Programmes at the larger Municipalities/Corporations:** These programmes are to be organized between 16 August and 20th August, 2023. The Mitti-Kalash are to be brought ceremoniously to larger Municipalities/Corporations.
- iii. **Finale Event at New Delhi:** From 27th August to 30 August, 2023, the collected Mitti-Kalash from the Municipalities will be transported to Kartavya Path, New Delhi

C. **Program at the State Capital:** State Governments may like to organize State level ceremonial programmes will be dedicated to Meri Maati Mera Desh programme. These programmes may be held between 18th August to 25 August, 2023.

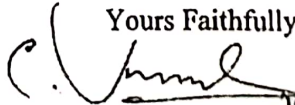
#### Important Dates for the Meri Maati Mera Desh

| Dates  | Details  |
|--|--|
| 9 <sup>th</sup> August, 2023 – 15 <sup>th</sup> August, 2023                             | <ul style="list-style-type: none"> <li>• Main launch event of the Programme on 9<sup>th</sup> August, 2023.</li> <li>• Programmes in Panchayats/Villages/Institutions, Small Urban Local bodies.</li> <li>• Uploading of Selfies.</li> </ul> |
| 16 <sup>th</sup> August, 2023 – 20 <sup>th</sup> August, 2023                            | <ul style="list-style-type: none"> <li>• Programme in Blocks, bigger Municipalities/Corporations.</li> </ul>   |
| 9 <sup>th</sup> August, 2023 – 15 <sup>th</sup> August, 2023                             | <ul style="list-style-type: none"> <li>• State Level ceremonial programmes.</li> </ul>   |
| <b>Towards the Grand Finale Proposed at Kartavya Path – 30<sup>th</sup> August, 2023</b> |  |
| 27 <sup>th</sup> August, 2023 – 28 <sup>th</sup> August, 2023                            | <ul style="list-style-type: none"> <li>• Arrival of Youth delegates in Delhi and Preparation for the Finale.</li> </ul>  |
| 9 <sup>th</sup> August, 2023 – 15 <sup>th</sup> August, 2023                             | <ul style="list-style-type: none"> <li>• Finale programme with VVIP presence at Kartavya Path.</li> </ul>  |

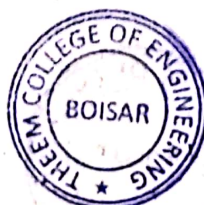
5. To encourage active participation, a dedicated website is being created (<http://merimaatimeradesh.gov.in>), where both general public and Gram Panchayat/Village/Institution/NSS Units/Urban Local Bodies representatives can get the programme details, the communication material, take pledge and post selfies and thus amplify the digital traction of the programme. Further, the design of Shilaphalakam would be downloadable from the website.

6. "Meri Maati Mera Desh" intend to create a unified celebration of India's soil and valor, commemorating the nation's journey of freedom and progress. By connecting with the land and honoring our heroes, this program will instill a sense of national pride and inspire future generations to protect India's cherished heritage. Through collective efforts and participation, "Meri Maati Mera Desh" will leave an indelible mark on India's history. **It is therefore, requested to give suitable directions to all NSS programme Coordinator/Programme Officer to carry out these programmes in Institutions/NSS Units as well as instruct NSS volunteers to assist the NYKS at Panchayat, Block and State level and make this programme a great success.**

The Action Taken Report may kindly be send to the Directorate of NSS for onwards submission to the Ministry after completion of the programme.

Yours Faithfully  
  
 (Dr. C. Samuel Chelliah) 28/8/23  
 Deputy Programme Adviser

Enclosed: Letter D.O. No. 42-22/261/2023-AKAM of Secretary, MoYAS (Govt. of India) and Secretary of Ministry of Culture (Govt. of India)





D.O. No. 42-22/261/2023-AKAM

July 22, 2023

Dear Shri Puneet Kumar Goel,

Azadi Ka Amrit Mahotsav (AKAM) is being celebrated as a nationwide and people led initiative to commemorate 75 years of India's independence and the glorious history of its people, culture and achievements.

2. 'Azadi Ka Amrit Mahotsav' started on 12<sup>th</sup> March, 2021 with a march from Sabarmati to Dandi. In this over two years journey, AKAM programmes have witnessed massive Jan bhagidhari. Till the end of June, 2023 more than 1.9 lakh events were undertaken, out of which State and Union Territories have done 1.6 lakh recorded events. As on date, 9 AKAM related programmes are done every hour. This is the largest celebratory effort in the post-Independence history of India dedicated to 75 years of freedom. This would not have been possible without the active support of the State/UT Governments.

3. "Meri Maati Mera Desh" campaign is envisaged as a culminating event of 'Azadi Ka Amrit Mahotsav'. It involves paying tribute to the 'Veers', who have made the supreme sacrifice for the country, by conducting ceremonies at Panchayat/Village, Block, Urban Local body, State and National level.

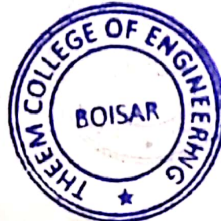
4. The details of the programmes under the campaign "Meri Maati Mera Desh" to be organized in the Rural and Urban Areas are given below:

A. **Programs in Rural Areas:** There are three key stages to the programme in the rural areas- Panchayat/Village level programme, Block level Programme and the Finale at the National Capital.

i. **Panchayat level programs:** - These programmes are to be organized between 9<sup>th</sup> August and 15<sup>th</sup> August, 2023. There are five elements of the Panchayat level programmes as detailed below:

a. **Dedication of Shilaphalakam (memorial):** A fundamental aspect of the program is to express heartfelt gratitude to all the bravehearts (Veer) who have made the supreme sacrifice. On the

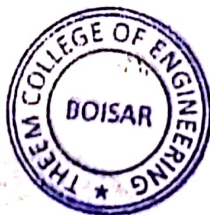
...2/-



Shilaphalakam, names of the Veers are to be inscribed. For this purpose, the Veers include freedom fighters, defense personnel, personnel of Central Armed Police Forces and State Police who laid down their lives in the line of duty. Shilaphalakam may preferably be erected near Amrit Sarovars or in the absence of Amrit Sarovar, some other appropriate water body. In case, no such water body is available, the Shilaphalakam may be constructed in the Panchayat building or local school or at some other prominent location. (The design of the Shilaphalakam is enclosed in the Annexure). Events may be held at panchayat/Village from 9<sup>th</sup> August to 15<sup>th</sup> August, 2023 near Shilaphalakam.

- b. **Panch Pran Pledge:** At the memorial site, people will take a solemn pledge covering Panch Pran of the Hon'ble Prime Minister, affirming their commitment to the country. The pledge is given below:  
*"I pledge to play my part in building a developed India  
I pledge to remove any trace of colonial mindset  
I pledge to take pride in promotion & preservation our rich cultural heritage  
I pledge to strive for the unity and solidarity of the country  
I pledge to fulfill my duties and responsibilities towards my nation  
I pledge to honour the sacrifice of our country's brave-hearts and devote myself to nation's defense & progress"*  
During the ceremony, people would either individually or collectively take a selfie while taking the pledge with soil in the hand and upload to the dedicated website. This would be a key public activation activity to ensure high janbhagidari.
- c. **Vasudha Vandhan:** Each Gram Panchayat/village will renew and replenish Mother Earth by planting 75 saplings of indigenous species and developing an AmritVatika.
- d. **Veeron KaVandan:** Panchayats may hold felicitation ceremonies for honoring the freedom fighters and the families of the deceased freedom fighters. They may also honour retired personnel from Defence, CAPF and State Police and the families of the brave hearts of these forces who have sacrificed their lives in the line of duty. Felicitation may be as per local traditions and customs.
- e. Hoisting of the National Flag and singing of Rashtragaan may be undertaken at each of the programme sites.

....3/-



ii. **Block Level Programs:** Youth volunteers and other people would collect Mitti from each Panchayat/Village and bring them to the block level. From each Block, Mitti-Kalash having the soil from all the Panchayat/Village, would be carried to the National Capital. For better youth participation at Gram Panchayat/Village and Block level, the District Youth Officer of NYKS, Department of Youth Affairs may be associated with the campaign.

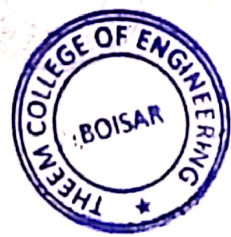
iii. **Finale Event at New Delhi:** From 27<sup>th</sup> August to 30<sup>th</sup> August, 2023, the collected Mitti-Kalash will be transported to Kartavya Path, New Delhi. The Mitti from all parts of the country would be utilized to develop a unique garden, called Amrit Vatika, with plantation of the indigenous species. An AKAM Memorial dedicated to all the heroes who have contributed for the freedom, unity and integrity of the country would be erected.

**B. Programs in Urban Areas:** There are three key stages to the programme in the Urban areas. The first level of programmes will be held in the small Urban Local bodies, Notified Area Councils (NACs), Cantonment Boards, Town Panchayats. Second level programmes will be at bigger Municipalities and Municipal Corporations and the third level, i.e. the finale will be at the National Capital.

- i. **Programmes in Small Urban bodies/NAC/Cantonment Boards/Town Panchayats:** These programmes are to be between 9<sup>th</sup> August and 15<sup>th</sup> August 2023. In these areas all the five elements detailed for the rural areas in para 4 (A)(i) may be conducted.
- ii. **Programmes at the larger Municipalities/Corporations:** These programmes are to be organized between 16<sup>th</sup> August and 20<sup>th</sup> August, 2023. The Mitti-Kalash are to be brought ceremoniously to larger Municipalities/Corporations.
- iii. **Finale Event at New Delhi:** From 27<sup>th</sup> August to 30<sup>th</sup> August, 2023, the collected Mitti-Kalash from the Municipalities will be transported to Kartavya Path, New Delhi.

**C. Program at the State Capital:** State Governments may like to organize State level ceremonial programmes dedicated to Meri Maati Mera Desh Campaign. These programmes may be held between 16<sup>th</sup> August to 25<sup>th</sup> August, 2023.

...4/-



### Important Dates for the Meri Maati MeraDesh Campaign

| Dates  | Details  |
|--|--|
| 9 <sup>th</sup> August, 2023-<br>15 <sup>th</sup> August, 2023                     | <ul style="list-style-type: none"> <li>• Main launch event of the Campaign on 9<sup>th</sup> August 2023</li> <li>• Programmes in Panchayats/Villages, Small Urban Local bodies</li> <li>• Uploading of Selfies</li> </ul> |
| 16 <sup>th</sup> August, 2023-<br>20 <sup>th</sup> August, 2023                    | <ul style="list-style-type: none"> <li>• Programmes in Blocks, bigger Municipalities/Corporations</li> </ul>   |
| 16 <sup>th</sup> August, 2023<br>-25 <sup>th</sup> August,<br>2023                 | <ul style="list-style-type: none"> <li>• State Level ceremonial programmes</li> </ul>  |
| Towards the Grand Finale Proposed at Kartavya Path - 30 <sup>th</sup> August, 2023 |  |
| 27 <sup>th</sup> August, 2023<br>- 28 <sup>th</sup> August,<br>2023                | <ul style="list-style-type: none"> <li>• Arrival of Youth delegates in Delhi and Preparation for the Finale</li> </ul>   |
| 29 <sup>th</sup> August, 2023<br>or<br>30 <sup>th</sup> August, 2023               | <ul style="list-style-type: none"> <li>• Finale programme with VVIP presence at Kartavya Path</li> </ul>   |

5. To encourage active participation, a dedicated website is being created ([https://yuva.gov.in/meri\\_maati\\_mera\\_desh](https://yuva.gov.in/meri_maati_mera_desh)), where both general public and Gram Panchayat/Village/Urban Local Bodies representatives can get the programme details, the communication material, take pledge and post selfies and thus amplify the digital traction of the programme. Further, the design of Shilaphalakam would be downloadable from the website.

6. "Meri Maati Mera Desh" envisions a unified celebration of India's soil and valor, commemorating the nation's journey of freedom and progress. By connecting with the land and honoring our heroes, this program will instill a sense of national pride and inspire future generations to protect India's cherished heritage. Through collective efforts and participation, "Meri Maati Mera Desh" will leave an indelible mark on India's history. It is therefore, requested to extend full co-operation and support for the successful implementation of this campaign.

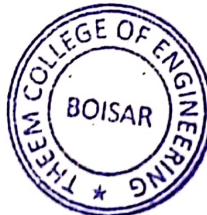
*with regards,*

*(Signature)*  
**(Govind Mohan)**  
Secretary  
Ministry of Culture

*(Signature)*  
**(Meeta Rajivlochan)**  
Secretary  
Department of Youth Affairs

Shri Puneet Kumar Goel  
Chief Secretary  
Government of Goa  
Panaji

*Nss Po*  
*for 2/9*  
*File*



गोविंद मोहन  
सचिव  
Govind Mohan  
Secretary



75  
आजादी का  
अमृत महोत्सव

भारत सरकार  
संस्कृति मंत्रालय  
नई दिल्ली-110001  
GOVERNMENT OF INDIA  
MINISTRY OF CULTURE  
NEW DELHI-110 001

July 23, 2023

D.O. No. 42-22/261/2023-AKAM

Dear Sanjay :

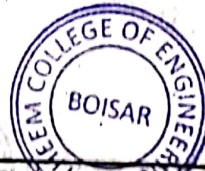
Azadi Ka Amrit Mahotsav being celebrated as a nationwide and people led initiative commemorate 75 years of India's independence and the glorious history of its people, culture and achievements.

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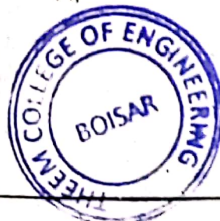
4. The details of the programmes under the campaign "Meri Maati Mera Desh" to be organized in the Rural and Urban Areas are as given below:

- A. Programs in Rural Areas: There are three key stages to the programme in the rural areas- Panchayat/Village level programme, Block level Programme, and the Finale at the National Capital.
- i. Panchayat level programs: - These programmes are to be organized between 9<sup>th</sup> August 2023 to 15<sup>th</sup> August 2023. There are five elements of the Panchayat level programmes as detailed below:
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Room No. 502, 'C' Wing, Shastri Bhawan, Dr. Rajendra Prasad Road, New Delhi-110 001  
Phone : +91-11-23381040, 23386995, E-mail : secy-culture@nic.in

- b. **Panch Pran Pledge:** At the memorial site, people will take a solemn pledge covering Panch Pran of the Hon'ble Prime Minister, affirming their commitment to the country. The pledge is given below:  
*"I pledge to play my part in building a developed India  
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During the ceremony, people would either individually or collectively take a selfie while taking the pledge with soil in the hand and upload to the dedicated website. This would be a key public activation activity to ensure high janbhagidari.
- c. **Vasudha Vandhan:** Each Gram Panchayat/village will renew and replenish Mother Earth by planting 75 saplings of indigenous species and developing an Amrit Vatika.
- d. **Veeron Ka Vandan:** Panchayats may hold felicitation ceremonies for honoring the freedom fighters and the families of the deceased freedom fighters. They may also honour retired personnel from Defense, CAPF and State Police and the families of the brave hearts of these forces who have sacrificed their lives in the line of duty. Felicitation may be as per local traditions and customs.
- e. Hoisting of the National Flag and singing of Rashtagaan may be undertaken at each of the programme sites.
- ii. **Block Level Programs:** Youth volunteers and other people would collect Mitti from each Panchayat/Village and bring them to the block level. From each Block, Mitti Kalash having the soil from all the Panchayat/Village, would be carried to the National Capital. For better youth participation at Gram Panchayat/Village and Block level, the District Youth Officer of NYKS, Department of Youth Affairs may be associated with the campaign.
- iii. **Finale Event at New Delhi:** From 27<sup>th</sup> August 2023 to 30<sup>th</sup> August 2023, the collected Mitti-Kalash will be transported to Kartavya Path, New Delhi. The Mitti from all parts of the country would be utilized to develop a unique garden, called Amrit Vatika, with plantation of the indigenous species. An AKAM Memorial dedicated to all the heroes who have contributed for the freedom, unity and integrity of the country would be erected.
- B. **Programs in Urban Areas:** There are three key stages to the programme in the Urban areas. The first level of programmes will be held in the small Urban Local bodies, Notified Area Councils (NACs), Cantonment Boards, Town Panchayats. Second level programmes will be at bigger Municipalities and Municipal Corporations and the third level, i.e. the finale will be at the National Capital.





- i. **Programmes In Small Urban bodies/NAC/Cantonment Boards/Town Panchayats:** These programmes are to be between 9<sup>th</sup> August 2023 to 15<sup>th</sup> August 2023. In these areas all the five elements detailed for the rural areas in para 4 (A)(i) may be conducted.
  - ii. **Programmes at the larger Municipalities/Corporations:** These programmes are to be organized between 16<sup>th</sup> August 2023 to 20<sup>th</sup> August, 2023. The Mitti Kalash are to be brought ceremoniously to larger Municipalities/Corporations.
  - iii. **Finale Event at New Delhi:** From 27<sup>th</sup> August 2023 to 30<sup>th</sup> August 2023, the collected Mitti-Kalash from the Municipalities will be transported to Kartavya Path, New Delhi.
- C **Program at the State Capital:** State Governments may like to organize State level ceremonial programmes dedicated to Meri Maati Mera Desh Campaign. These programmes may be held between 16<sup>th</sup> August to 25<sup>th</sup> August 2023.

**Important Dates for the Meri Maati Mera Desh Campaign**

| Dates   | Details  |
|---|--|
| 9 <sup>th</sup> August 2023-<br>15 <sup>th</sup> August 2023                            | <ul style="list-style-type: none"><li>• Main launch event of the Campaign on 9<sup>th</sup> August 2023</li><li>• Programmes in Panchayats/Villages, Small Urban Local bodies</li><li>• Uploading of Selfies</li></ul> |
| 16 <sup>th</sup> August 2023-<br>20 <sup>th</sup> August 2023                           | <ul style="list-style-type: none"><li>• Programmes in Blocks, bigger Municipalities/Corporations</li></ul>   |
| 16 <sup>th</sup> August 2023-<br>25 <sup>th</sup> August 2023                           | <ul style="list-style-type: none"><li>• State Level ceremonial programmes</li></ul>  |
| <b>Towards the Grand Finale Proposed at Kartavya Path – 30<sup>th</sup> August 2023</b> |  |
| 27 <sup>th</sup> August 2023<br>-28 <sup>th</sup> August 2023                           | <ul style="list-style-type: none"><li>• Arrival of Youth delegates in Delhi and Preparation for the Finale</li></ul>   |
| 29 <sup>th</sup> August 2023<br>Or 30 <sup>th</sup> August<br>2023                      | <ul style="list-style-type: none"><li>• Finale programme with VVIP presence at Kartavya Path</li></ul>   |

5. To encourage active participation, a dedicated website is being created ([https://yuva.gov.in/meri\\_maati\\_mera\\_desh](https://yuva.gov.in/meri_maati_mera_desh)), where both general public and Gram Panchayat/Village/Urban Local Bodies representatives can get the programme details, the communication material, take pledge and post selfies and thus amplify the digital traction of the programme. Further, the design of Shilaphalakam would be downloadable from the website.



6. Your kind intervention is solicited for following to make program successful-
- i. Creation of Buzz through participation of college students.
  - ii. Panch Pran Pledge taking by students and selfies with mitti to be uploaded on website.
  - iii. To ensure active participation of students at Panchayat, Block, Urban local bodies and National level programmes

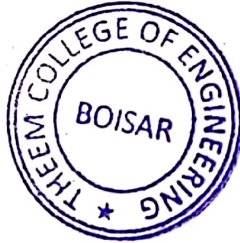
*with regards,*

Yours sincerely,



(Govind Mohan)

Shri K Sanjay Murthy  
Secretary  
Department of Higher Education  
Ministry of Education  
Shastri Bhawan, New Delhi - 110001



# Annexure 1: Design of Silaphalakam

## A. Overview of Silaphalakam

In each panchayat, a memorial plaque of approximately 5 feet x 3 feet is proposed to be erected. (In case any specific space considerations ratio of 5x3 may be maintained accordingly)

1. Memorial plaque to be constructed in/around Amrit Sarovar and other water bodies where available. In the places where water bodies are not available, memorial plaques should be constructed near Panchayat offices, schools, etc.
2. Work may be executed through the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) leveraging local material and resources.
3. Base artwork to be available on the campaign website for reference.
4. The print file option would be auto-generated for download basis inputs. (Panchayat Name)

## B. The design of Silaphalakam would include the following components:

1. AKAM Logo
2. Prime Minister's quote for Vision 2047
3. Name of Local Veers
4. Name of Panchayat
5. Date

(Conditions)

- Generic dedication is to be used at the places where Local Veers are not available/applicable
- The downloadable artwork should include AKAM Logo/AKAM 2047 Vision quote/Name of Panchayat and Date
- Downloadable open file should be made available
- Name of the local veers to be added locally



### C. Definition of 'Veer' for the purpose of this initiative

The list of local 'Veers' would include:

- i. Freedom fighters;
- ii. Defense personnel (Army, Navy, Air Force); or
- iii. State Police Forces, Central Armed Police Forces personnel

i.e., people who have died in the line of duty.

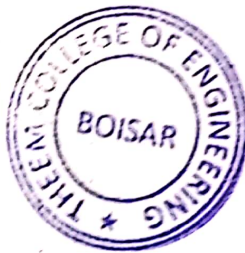
### D. Hon'ble Prime Minister's quote for Vision 2047

- *"To live for the motherland each day, every moment of time and every particle of life will be our true tribute to the freedom fighters."*

Hon'ble Prime Minister Shri Narendra Modi

### E. Generic dedication quotes

- *मातृभूमिकीस्वतंत्रताऔरउसकेगौरवकीरक्षाकेलियेबलिदानहुएवीरोंकोशतशतनमन।*
- *Salutations to the heroes who sacrificed their lives to protect the freedom and pride of the motherland.*





एन.ए.के.ए. वि.सू.सं.के.

प्रा. मनिष र. जोशी  
सचिव

Prof. Manish R. Joshi  
Secretary



सत्यमेव जयते



भारत 2023 INDIA

विश्वविद्यालय अनुदान आयोग  
University Grants Commission  
(शिक्षा मंत्रालय, भारत सरकार)  
(Ministry of Education, Govt. of India)

D.O.No.1-4/2022(e.Gov/EBSS)

27<sup>th</sup> July, 2023/05 श्रावण, 1945

**Subject: Participation in the "Meri Maati Mera Desh" Campaign**

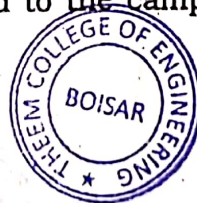
Respected Madam/Sir,

As you are aware, the Ministry of Education has been actively involved in the grand celebration of our nation's 75 years of independence through the Azadi Ka Amrit Mahotsav (AKAM) initiative. As part of this momentous occasion, the "Meri Maati Mera Desh" campaign is set to culminate in August, aiming to pay tribute to our beloved 'Motherland' and the courageous 'Veers' who have made the supreme sacrifice for our nation.

In line with the spirit of Janbhagidari (public participation), the campaign will be conducted across the country through dedicated events and programs to honor our 'Motherland' and the brave souls who fought for our freedom. The letter from the Ministry of Culture provides further details about the planned programs, including the administration of the 'Panch Pran' Pledge and Vasudha Vandhan (**enclosed**).

Several initiatives have been taken previously under the EK Bharat Shreshtha Bharat (EBSB) Programme to instill the values of 'Strength in Unity' and 'Pride in Legacy,' both integral elements of the Panch Pran. Additionally, the Ministry of Education has requested activities to promote Mission LiFE, encouraging an environmentally conscious lifestyle through sustainable practices. The objective is to plant over a crore saplings during the ongoing monsoon season.

To ensure the success of the "Meri Maati Mera Desh" Campaign, we seek the active participation of your esteemed Institution. You are requested to support in raising awareness among your students through your university/college websites and other social media platforms. By encouraging full-fledged participation in activities and events related to the campaign, we can amplify its impact across the nation.



cont.....2/-

*Manish*

यत्नेन कर्मण्यन

ONE EARTH • ONE FAMILY • ONE FUTURE

बहादुरशाह जफर मार्ग, नई दिल्ली-110002 | Bahadur Shah Zafar Marg, New Delhi-110002  
Ph.: 011-23236288/23239337 | Fax: 011-2323 8858 | E-mail: secr.upc@nic.in



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## CONTINUATION SHEET

The following suggestive activities may be considered promoting among your students:

- Planting saplings under Mission LiFE: Engage students in tree-planting drives to foster an environmentally conscious mindset.
- Pottery and sculpture making, and mud work artistry: Encourage students to express their respect and admiration for 'Meri Maati Mera Desh' through art forms representing various states' cultural heritage under the EBSB initiative.
- Honoring freedom fighters (Veeron Ka Vandan): Organize discussions, extempore speeches, and debates on unsung heroes to instill a deep sense of patriotism among the students.
- Pledge-taking ceremonies with mud/mitti diyas: Encourage students to take pledges to serve the nation and contribute positively to society.
- Singing the Mitti Anthem during assemblies: Reinforce the sense of unity and pride in our nation's identity by singing the Mitti Anthem together.

Through these initiatives, we can truly pay homage to those who sacrificed their lives for our freedom and foster a profound sense of love and respect for our country. Your cooperation and support are crucial to the success of this noble campaign.

With kind regards,

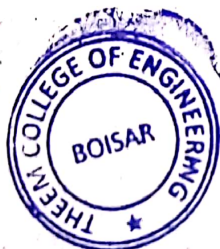
Yours sincerely



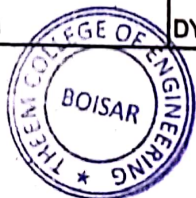
(Manish Joshi)

**Encl: As above**

To  
The Vice-Chancellors of all Universities  
The Principals of all Colleges



| S.No | District NYK Name      | Name of Employee        | DD/DYO's | Contact no | Regular and Additional charge |
|------|------------------------|-------------------------|----------|------------|-------------------------------|
| 1    | Ahmednagar             | Shivaji M. Kharat       | DD (OSD) | 9422724427 | REGULAR                       |
| 2    | Akola                  | Mahesh Singh Shekhawat  | DYO      | 8750465668 | Regular                       |
| 3    | Allbag (Ralgad)        | Nishant Rautela         | DYO      | 9634243075 | Regular                       |
| 4    | Amaravati              | Snehal Basutkar         | DYO      | 9082134806 | Regular                       |
| 5    | Aurangabad             | Sankalp Shukla          | DYO      | 9807403813 | Regular                       |
| 6    | Beed                   | Aruna Kochure           | DYO      | 8975674437 | Regular                       |
| 7    | Bhandara               | Hitendra Vaidya         | DYO      | 9637161355 | Regular                       |
| 8    | Buldhana               | Pranit Sangvikar        | DYO      | 8857840783 | Additional Charge             |
| 9    | Chandrapur             | Shamsher Gani subhedar  | DYO      | 7875238287 | Regular                       |
| 10   | Dhule                  | Ashok kumar             | DYO      | 9460385421 | Regular                       |
| 11   | Gadchiroli             | Amit Arjun Punde        | DYO      | 9860275601 | Regular                       |
| 12   | Gondiya                | Shruti Premnath Dongre  | DYO      | 8459172275 | Regular                       |
| 13   | Hingoli                | Ashish Pant Deepchandra | DYO      | 9149036302 | Regular                       |
| 14   | Jalana                 | Pranit Sangvikar        | DYO      | 8857840783 | Regular                       |
| 15   | Jalgaon                | Narender                | DYO      | 9420952193 | Regular                       |
| 16   | Kolhapur               | Pooja                   | DYO      | 9017505450 | Regular Charge                |
| 17   | Latur                  | Sakshi Samaiya          | DYO      | 7838628657 | Regular Charge                |
| 18   | Mumbai                 | Nishant Rautela         | DYO      | 9634243075 | Additional Charge             |
| 19   | Nagpur                 | Hitendra Vaidya         | DYO      | 9637161355 | Additional Charge             |
| 20   | Nanded                 | Chandrakala Rawalkar    | DYO      | 9422859073 | Regular Charges               |
| 21   | Nandurbar              | Ashok kumar             | DYO      | 9460385421 | Additional Charge             |
| 22   | Nashik                 | Kamal Tripathi          | DYO      | 9464548937 | Regular Charge                |
| 23   | North Goa (Panaji Goa) | Kalidas K Ghatwal       | DD(OSD)  | 9730571631 | Additional Charge             |
| 24   | Osmanabad              | Dhananjay Kale          | DYO      | 9823131255 | Regular                       |
| 25   | Parbhani               | Shashankh Ravula        | DYO      | 7013111674 | Regular                       |
| 26   | Pune                   | Sankalp Shukla          | DYO      | 9807403813 | Additional Charge             |
| 27   | Ratnagiri              | Mohit Kumar Saini       | DYO      | 9176093429 | Regular                       |
| 28   | Sangali                | Ajit Kumar              | DYO      | 8009373767 | Additional                    |
| 29   | Satara                 | Ajit Kumar              | DYO      | 8009373767 | Additional                    |
| 30   | Sindhudurg             | Mohit Kumar Saini       | DYO      | 9176093429 | Additional                    |
| 31   | Solapur                | Ajit Kumar              | DYO      | 8009373767 | Regular                       |
| 32   | South Goa (Margao Goa) | Kalidas K Ghatwal       | DD(OSD)  | 9730571631 | Regular                       |
| 33   | Thane                  | Hindaprabha Karve       | DYO      | 7020871642 | Regular                       |
| 34   | Wardha                 | Shivdhan Sharma         | DYO      | 7988052654 | Regular                       |
| 35   | Washim                 | Ashish Pant Deepchandra | DYO      | 9149036302 | Additional                    |
| 36   | Yavatmal               | Sarang Meshram          | DYO      | 770903160  | Regular                       |



Dated 02/08/2023

To

1. All the Regional Directors.
2. All State NSS Officers,  
All States & UTs.

**Sub: Participation of NSS volunteers/Pos in Meri Maati Mera Desh Nationwide Campaign  
(9<sup>th</sup> to 30<sup>th</sup> August, 2023) – Reg.**

Sir/Madam

I am directed to refer to the D.O. Letter No.42-22/261/2023 dated 22/7/23 from Secretary MoYAS on the cited subject and to inform you that the Azadi Ka Amrit Mahotsav is being celebrated nationwide from 2021 to commemorate 75 years of India's independence and the glorious history of its people, Culture and Achievements.

In this regard, the Ministry of Youth Affairs has planned to organize a mega event "Meri Maati Mera Desh" (MMMD) a nationwide and people led "Jan bhagidari" initiative to commemorate 75 years of India's independence. It is the finale of Azaadi ka Amrit Mahotsav to culminate the Azadi Ka Amrit Mahotsav program. 'Meri Maati Mera Desh' celebrates the many achievements of the nation. It involves paying tribute to the 'Veers' who protect our nation. The ceremonies would be conducted at the level of NSS units/ institutions; village, Panchayat, Block, Urban Local body, State and National level. These programmes would be organised at all levels with the support and cooperation of State/UT Governments and other Governments Departments/Agencies and also with an involvement of NSS/NYKS/other youth organizations volunteers in the programme.

The details of the programmes to be organized at all NSS units in Universities/Colleges/Schools across the India are as follows.

**The following activities can be organised from 9<sup>th</sup> to 15<sup>th</sup> August at Institutions/ Village level:**

- 1) Dedication of Shilaphalakam-installation of nameplate of Veers;
- 2) Taking the Panch Pran Pledge ( Pledge is enclosed)
- 3) Vasudha Vandan—creation of Amrit Vatika with 75 saplings of indigenous trees;
- 4) Veeron Ka Vandan- honoring freedom fighters/braves/ Retired defense personnel who protect the nation and families of braves;
- 5) Hoisting of National Flag and singing of National Anthem.

-2





6) The NSS volunteers and their family members and all NSS Functionaries can take an online pledge & upload a selfie by planting a plant or holding a Maati (soil) by visiting this website (<https://merimaatimeradesh.gov.in/>). The volunteers can also post this activity photo/video in their social media platforms and use the taglines #Maatikonaman, #veeronkavandan

7) PrabhatPheris ( Morning Walk) may be organized (from 16<sup>th</sup> to 20<sup>th</sup> August) in each institution in coordination with the nearest Block/Urban local body (ULB) between 16<sup>th</sup>– 20<sup>th</sup> August 2023 wherein the "Maati" (Soil) collected from all institutions or Panchayats may be taken by taking out a rally by holding a tricolor flag in one hand and Maati on the other hand to the identified location at the nearest Block/ULB for plantation of saplings. These events may be organized in close coordination with State Govt/NYKS of your region. The NSS programme officer of the concerned institution may contact the NYKS officers/ State Govt Officers of their place for smooth conduct of the programme.

8) Video of participation of POs and NSS volunteers in various events like tree plantation, PrabhatPheri, pledge taking etc. may again be uploaded by the NSS Program Officer after logging on through Login -> Institutional Organizer tab on the dedicated website created by this Ministry at – <https://merimaatimeradesh.gov.in/>. All NSS programme Officers are requested to login as Institutional Organizer in the website and upload activities photos/small videos without fail.

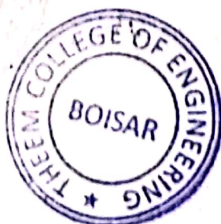
9) Use taglines #Maatikonaman, #veeronkavandan in all your social media posts.

10) Maati (soil) from the Institutions/villages of India will be collected at block level will be brought to New Delhi and An Amrit Vatika would be created in the National Capital.

### Panch Pran Pledge

मैंने शपथ ली कि

- भारत को विकसित देश बनाना है
- गुलामी की मानसिकता को जड़ से निकाल फेंकना है
- देश की समृद्ध विरासत पर गर्व करना है
- एकता और एकजुटता के लिए कर्तव्यबद्ध रहना है
- नागरिक के कर्तव्य निभाना है
- देश की रक्षा करने वालों का सम्मान करना है
- भारत को 2047 में विकसित देश बनाने का सपना साकार करना है



### Panch Pran Pledge

I pledge to

Make India a developed nation.

Root out all traces of a slave mindset.

proud of India's rich culture and tradition.

Work for the unity and integrity of India.

fulfill the duties of citizens.

Honor those who defend the nation.

Work to fulfill the dream of a developed India in 2047

It is therefore once again reiterated that, keeping in view of the importance of the programme it is, requested all the NSS RDs and SNOs to circulate this information and this web link <https://merimaatimeradesh.gov.in/> among all NSS units and encourage all NSS volunteers & Programme Officers to participate in large numbers in the program along with their friends, families and loved ones and make this mega event a grand success.

The letter is issued with a direction of the competent authority.

Yours Sincerely

*C. Samuel*

(Dr.C.Samuel Chelliah)  
Deputy Programme Adviser

Copy to

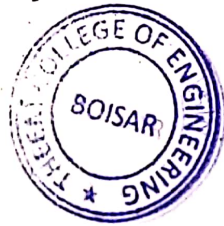
1. Director, MoYAS, Shastri Bhawan , New Delhi for kind information
2. Under Secretary, (NSS), MoYAS, Shastri Bhawan, New Delhi for kind information



# मेरी माती मेरा देश अभियान

## पंच प्रण

1. भारताचा नागरिक या नात्याने आपल्या राष्ट्राच्या प्रगती आणि समृद्धीमध्ये योगदान देण्याची माझी जबाबदारी आहे. मी याद्वारे पंच प्रण प्रतिज्ञा घेतो आणि स्वतःला आपले राष्ट्र आणि राष्ट्रातील जनतेचे एक उत्तम भविष्य घडवण्यासाठी कटिबद्ध करतो.
2. मी आपल्या देशाच्या प्रगती आणि समृद्धीसाठी माझ्यातील कौशल्य आणि प्रयत्नांचे योगदान देऊन विकसित भारताच्या ध्येयप्राप्तीसाठी काम करण्याचे वचन देतो.
3. आपला समृद्ध आणि सांस्कृतिक वारसा आत्मसात करून स्वावलंबन आणि स्वातंत्र्याच्या भावनेला प्रोत्साहन देऊन, वसाहतवादी मानसिकतेचे कोणत्याही अवशेषांना सक्षमपणे आव्हान देण्याचे आणि ते दूर करण्याचे मी वचन देतो.
4. मी आपल्या विविध परंपरा, भाषा आणि चालीरीतींचा सन्मानाने अभिमान बाळगताना सर्व समुदायांमध्ये एकता आणि सौहार्दता वाढवण्याचे वचन देतो.
5. जात, पंथ, धर्म आणि प्रादेशिक अडथळांना पार करून आपल्या सर्व नागरिकांमध्ये एकता वाढवण्याची आणि सर्व समावेशक समानता असलेल्या समाजासाठी काम करण्याची मी शपथ घेतो.
6. मी भारताचा नागरिक म्हणून माझ्या जबाबदाऱ्या पार पाडण्याची, माझ्या समुदायाच्या विकासात सक्रिय सहभाग घेऊन आणि प्रामाणिकपणा, सचोटी व सामाजिक जबाबदारीच्या तत्वांचे पालन करण्याची शपथ घेतो.
7. मी पंच प्रण प्रतिज्ञा घेऊन, सशक्त, समृद्ध आणि अखंड भारताच्या दृष्टिकोनात स्वतःचे योगदान देईन. चला, हो उद्दिष्ट साध्य करण्यासाठी आणि आपल्या राष्ट्रांचे एक चांगले भविष्य घडवण्यासाठी आपण एकत्र काम करूया.





# H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

Approved by AICTE (New Delhi), Government of Maharashtra & DTE, Affiliated to University of Mumbai & MSBTE, Estd. 2009  
A NAAC Accredited Institute

Village Betegaon, Boisar Chilhar Road, Boisar (E), Tal. & Dist.: Palghar - 401 501.  
Tel.: +917769916109 • Email : info@theemcoe.org • Website : www.theemcoe.org



आज़ादी का  
अमृत महोत्सव

मेरी माटी मेरा देश  
09-30 अगस्त 2023



## मेरी माटी मेरा देश

मिट्टी को नमन, वीरों का वंदन



9-30 अगस्त 2023

देश की समीपचायतों में  
अमृत चारिका बनाई जायेगी

अमृत कलश में चारिका की  
मिट्टी राजधानी लाई जायेगी

मिट्टी के साथ सेलफी  
लेकर अपलोड कीजिये

देश के वीरों को समर्पित इन कार्ड्स में अपनी भागीदारी सुनिश्चित करें।

बड़े चरित्रे [yuva.gov.in](http://yuva.gov.in) पे





# H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

Approved by AICTE (New Delhi), Government of Maharashtra & DTE, Affiliated to University of Mumbai & MSBTE, Estd. 2009  
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## EVENT PHOTOS





H. J. THIM TRUST'S  
**THEEM COLLEGE OF ENGINEERING, BOISAR**  
Approved By AICTE ( New Delhi) Government of Maharashtra & DTE  
Affiliated To University of Mumbai

Village Betegaon, Near Union Park, Boisar Chilhar Road, Boisar (E), Tal.-Dist.-Palghar, 401501. Tel: - (02525) 284909 / 284926,  
•Telefax : (02525) 284 927 •Email ID : info@theemcoe.org •Website : www.theemcoe.org

Date: 10/08/2023

### Letter of Appreciation

To,  
Mr. Jabbar Pathan ,  
Retired Havaladar, BRO Pune,  
Maharashtra 411015

**Subject:** Letter of Appreciation for being chief guest and speaker for VEERON KO NAMAN, MERI MAATI MERA DESH.


Dear Sir,

It gives us immense pleasure and delight in introducing "Theem College of Engineering" located at Boisar which has grown at fast pace and gained respectful standing among the contemporary institutes. Theem College of Engineering was established under the umbrella of "H.J. Thim Trust" The College was started with the core objective to impart quality education to students in the field of Technology and it is approved by AICTE, MSBTE and DTE (Govt. of Maharashtra). We have well facilitated libraries and laboratories..

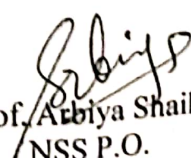
We appreciate your broad view and interests in inspiring and giving knowledge to students and faculty members. We are very much thankful to you for your helpful and cooperative nature. As per feedback, the session was appreciative and helpful.

  
Dr. S. Riyazuddin  
Principal

**PRINCIPAL**  
**THEEM COLLEGE OF ENGINEERING**  
Boisar (East) Tal. & Dist. Palghar - 401 501

  
Prof. Faiz Mohammad Khan  
H O D Civil



  
Prof. Abbiya Shaikh  
NSS P.O.







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•Telefax : (02525) 284 927 •Email ID : info@theemcoc.org •Website : www.theemcoc.org

Date: 18/08/2023

## Letter of Appreciation

To,  
Mr. Rajesh Sankhe ,  
Gramvikas Adhikari,  
Grampanchayat,  
Navapur.

**Subject:** Letter of Appreciation for Collaboration in Tree Plantation, MERI MAATI MERA DESH.

Dear Sir,

It gives us immense pleasure and delight in introducing "Theem College of Engineering" located at Boisar which has grown at fast pace and gained respectful standing among the contemporary institutes. Theem College of Engineering was established under the umbrella of "H.J. Thim Trust" The College was started with the core objective to impart quality education to students in the field of Technology and it is approved by AICTE, MSBTE and DTE (Govt. of Maharashtra). We have well facilitated libraries and laboratories..

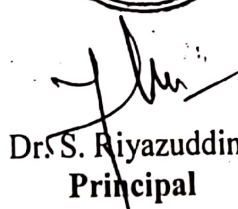
We appreciate your broad view and interests in inspiring and giving knowledge to NSS Volunteers. We are very much thankful to you for your helpful and cooperative nature. We are pleasure to work with you.



Dr.N.K.Rana  
Director

**DIRECTOR**

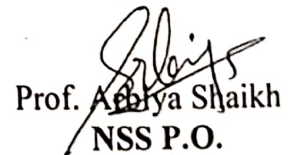
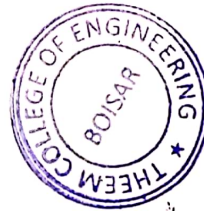
**THEEM COLLEGE OF ENGINEERING**  
Boisar (East) Tal. & Dist. Palghar - 401501



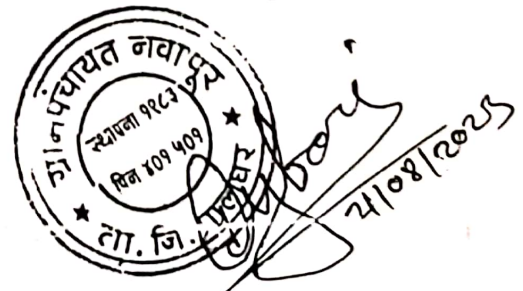
Dr. S. Riyazuddin  
Principal

**PRINCIPAL**

**THEEM COLLEGE OF ENGINEERING**  
Boisar (East) Tal. & Dist. Palghar - 401501



Prof. Abhya Shaikh  
NSS P.O.





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Date: 18/08/2023

## Letter of Appreciation

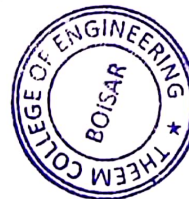
To,  
Mrs. Anjali Arvind Bari,  
Sarpanch ,  
Navapur.

**Subject:** Letter of Appreciation for Collaboration in Tree Plantation, MERI MAATI MERA DESH.

Dear Sir/Mam,

It gives us immense pleasure and delight in introducing "Theem College of Engineering" located at Boisar which has grown at fast pace and gained respectful standing among the contemporary institutes. Theem College of Engineering was established under the umbrella of "H.J. Thim Trust" The College was started with the core objective to impart quality education to students in the field of Technology and it is approved by AICTE, MSBTE and DTE (Govt. of Maharashtra). We have well facilitated libraries and laboratories..

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Dr.N.K.Rana  
Director

PRINCIPAL

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar -401 501

Prof. Arbiya Shaikh  
NSS P.O.

DIRECTOR  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar -401 501







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Date: 18/08/2023

### Letter of Appreciation

To,  
Mr. Charan Ahuja ,  
Director ,  
PAL FASHIONS LTD.

**Subject:** Letter of Appreciation for Collaboration in Tree Plantation, MERI MAATI MERA DESH.

Dear Sir,

It gives us immense pleasure and delight in introducing "Theem College of Engineering" located at Boisar which has grown at fast pace and gained respectful standing among the contemporary institutes. Theem College of Engineering was established under the umbrella of "H.J. Thim Trust" The College was started with the core objective to impart quality education to students in the field of Technology and it is approved by AICTE, MSBTE and DTE (Govt. of Maharashtra). We have well facilitated libraries and laboratories..

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Dr.N.K.Rana  
Director

**DIRECTOR**

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar - 401 501

Dr. S. Riyazuddin

Principal

**PRINCIPAL**

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar - 401 501

  
Prof. Ardiya Shaikh  
NSS P.O.

Received





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Date: 18/08/2023

## Letter of Appreciation

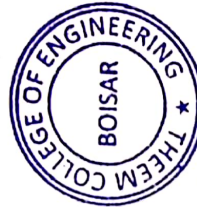
To,  
Mr. Paul Fernandes,  
Mentainance Engineer,  
Navapur.

Subject: Letter of Appreciation for Collaboration in Tree Plantation, MERI MAATI MERA DESH.


Dear Sir,

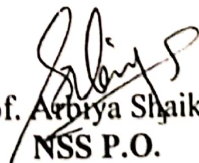
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Dr.N.K.Rana  
Director

  
Dr. S. Riyazuddin  
Principal

  
Prof. Arbya Shaikh  
NSS P.O.

**DIRECTOR**

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar- 401 501

**PRINCIPAL**

THEEM COLLEGE OF ENGINEERING,  
Boisar (East) Tal. & Dist. Palghar - 401 501





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## Circular

Reference Circular No: TCOE/NSS/2023-24/07/002

24<sup>th</sup>, July 2023

### "Tree Plantation"

LET'S PLANT    TREES LET'S PLANT HOPES

All the volunteers lets Join your hands for Activity : "TREE PLANTATION" in  
Collaboration with Grampanchayat Maan.

Which is going to be held on 25/7/23 , Tuesday at 1:30 pm at Z.P.School Kallale , village  
Maan, Boisar. All volunteers have to present tomorrow at 1:15pm sharp near nss office in  
NSS t shirts.

Venue: Z.P.School Kallale , MAAN Village, Boisar.

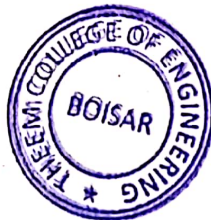
Date: 25<sup>th</sup> July 2023

Time: 1:30 pm.

All are requested to report near the NSS Office before 15 minutes of the commencement of  
the program.


  
Programme Officer

Prof. Arbiya Shaikh



  
Director

Dr. N. K. Rana

  
Principal  
Dr. Riyazoddin S.





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## REPORT

**Activity:-** Tree Plantation

**Date:** 25/07/2023

**Objective of Activity :** To Plant Trees in school premises.

- **VENUE:-** Zilla Parishad School, Kallale, Maan.
- **TIME:-** 01:30 p.m.
- **Organized by:-** N.S.S. Volunteers, Theem college of Engineering .

### Agenda of Activity:

1. To plant maximum Trees to create healthy environment.
2. As students were technical students to create awareness about Nature and Tree plantation in them.

### Execution:-

1. Our NSS Volunteers did all the arrangements.
2. NSS Volunteers collected 100 plants from Maan Grampanchayat Office.
3. Activity started at 01:30 p.m..
4. All school students also joint our NSS Volunteers in planting the trees.

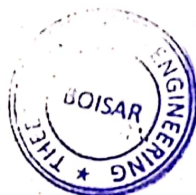
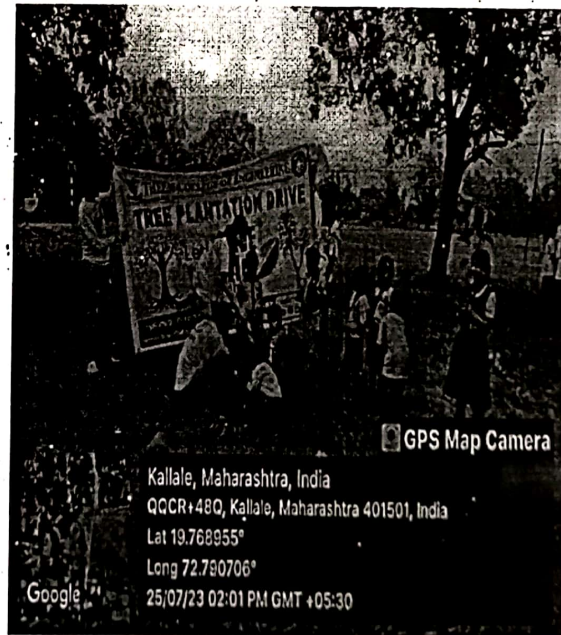
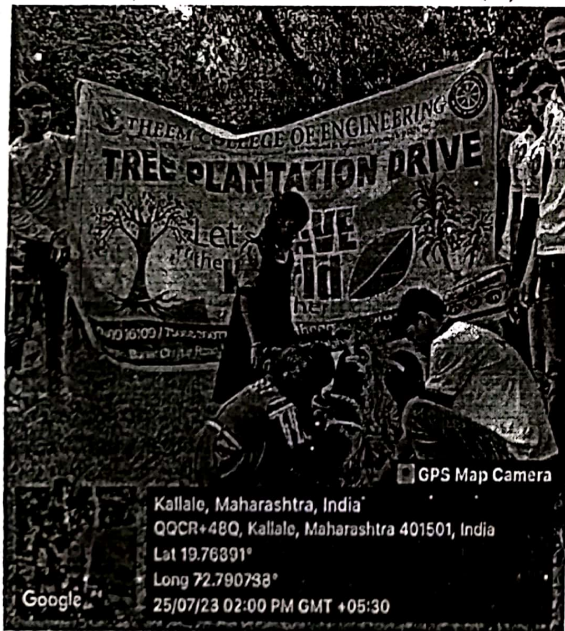
NSS Volunteers had attended this event responsibly. After the work students expressed their positive feedback.

### Outcome:-

1. NSS volunteers has been participated actively.
2. NSS volunteers planted 100 plants.
3. The event has been done successfully.

**Message of Principal:** - Principal Sir has been suggested how to do this kind of activity and how can we help to our society with the help of social activity.







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## Circular

Reference Circular No: \_\_\_\_\_

18<sup>th</sup> March, 2023

### “College Cleaning”

All NSS Volunteers and college students are informed that the “College Cleaning Programme” is going to be conducted on 18<sup>th</sup> March 2023 at our college premises near College campus.

**Venue: College campus, THEEM COE.**

**Date: 18<sup>th</sup> March 2023**

**Time: 11.00 a.m.**

All are requested to report near the NSS Office before 15 minutes of the commencement of the program.

**Programme Officer**

Prof. Arbiya Shaikh



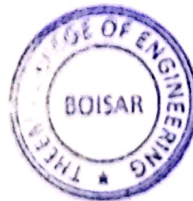
**Director**

Dr. N. K. Rana

**Principal**

Dr. S. Riyazoddin

**PRINCIPAL**  
THEEM COLLEGE OF ENGINEERING  
Boisar (E) Tal. & Dist. Palghar-401 501





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*Palghar*

*Principal*  
PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
& Dist. Palghar - 401 501





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## REPORT

Activity: "College Cleaning"

Date: 18<sup>th</sup> <sup>March</sup> ~~October~~, 2023

Objective of Activity: To give small contribute in "Swachha Bharat Abhiyan".

- VENUE: College campus, THEEM COE.
- TIME: 11.00 a.m.
- Organized by: N.S.S Unit, Theem college of Engineering

### Agenda of Activity:

1. To create awareness among the NSS volunteers.
2. To clean up the College campus.

### Execution:

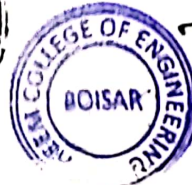
1. NSS volunteers came to college for cleaning the campus.
2. 32 NSS volunteers took part in this activity.
3. Our Volunteers cleaned the complete area of College with their hard work.
4. They took all the garbage away from the college.

NSS volunteers had attended this event responsibly. Students gave their positive feedback.

### Outcome:-

1. The event has been done successfully
2. NSS volunteers has been participated actively

Message of Principal: - Principal Sir has been suggested how to do this kind of activity and how can we help to our society with the help of social activity.





## **5. Beyond the campus environmental promotion activities.**



# H. J. THIM TRUST'S THEEM COLLEGE OF ENGINEERING

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## Circular

Reference Circular No: \_\_\_\_\_

06/09/2022

### “Swachhata Abhiyan”

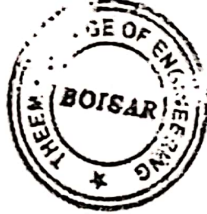
All students are informed that the “Swachhata Abhiyan” is going to be conduct by NSS unit on 07<sup>th</sup> September, 2022 at Maan village. In association with Maan Grampanchayat.

Venue: Maan Village.

Date: 07<sup>th</sup> September, 2022

Time: 10:00 a.m.

All are requested to report near the NSS Office before 15 minutes of the commencement of the program.



Programme Officer

Prof. Arbiya Shaikh

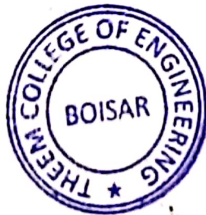
Director

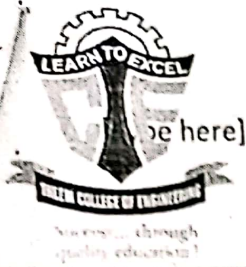
Dr. N. K. Rana

Principal

Dr. S Riyazoddin

PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar-401 501





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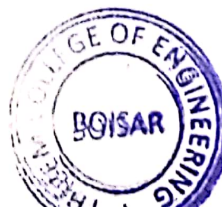
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*Pravin*

*Yuv*





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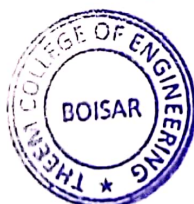
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## NSS Unit Attendance of NSS Volunteers

Name Of the Activity Swachhata Abhiyan Date 7/9/22  
at Maan Time: From \_\_\_\_\_ to \_\_\_\_\_  
Venue \_\_\_\_\_

| Sr.no. | Name of Volunteer  | Class | Div  | Enrollment no | Signature |
|--------|--------------------|-------|------|---------------|-----------|
| 1      | Suraj Kulkarni     | TE    | Comp |               |           |
| 2      | Haidar Bagassawala | TE    | Comp |               |           |
| 3      | Fahimda Khan       | TF    | IT   |               |           |
| 4      | Aishwarya Godatkar | TE    | Comp |               |           |
| 5      | Gaurav Mokashi     | TE    | Comp |               |           |
| 6      | Shebaiz Shaikh     | SE    | Comp |               |           |
| 7      | Rangabai Rayam     | SE    | Amul |               |           |
| 8      | Mohit Shaikh       | SE    | Comp |               |           |
| 9      | Poopti Patil       | SE    | IT   |               |           |
| 10     | Shailsh Roman      | SE    | IT   |               |           |
| 11     | Singh Ronit        | SE    | IT   |               |           |
| 12     | Jashil Bori        | TE    | Comp |               |           |
| 13     | Ravi Shah          | TE    | IT   |               |           |
| 14     | Kayun Vora         | SE    | Comp |               |           |
| 15     | Kaif Sayed         | SE    | Comp |               |           |
| 16     | Anaf Khan          | SE    | Comp |               |           |
| 17     | Sumbul Syed        | SE    | Comp |               |           |
| 18     | Salim Saanay       | TE    | Amul |               |           |
| 19     | Adjus Danga        | TE    | Comp |               |           |
| 20     | Talha Siddique     | TE    | Amul |               |           |
| 21     | Aditya Dadas       | TE    | IT   |               |           |
| 22     | Sahid Dambh        | TE    | IT   |               |           |

Sign of NSS Programme Officer



Sign of NSS Leader



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## REPORT

Activity: "Swachhata Abhiyan"

Date:08/09/2022

Objective of Activity: To give small contribution in "Swachhata Abhiyan"

- VENUE: Maan Village.
- TIME: 10:00 a.m.
- Organized by: N.S.S Volunteers, Theem college of Engineering

### Agenda of Activity:

1. To create awareness among the NSS volunteers.
2. To clean up the village area.
3. To clean the remote roads village area.

### Execution :

1. Our NSS team went at Maan village.
2. 74 NSS volunteers took part in this activity.
3. We included members of Grampanchayat of Maan with us.
4. Our Volunteers cleaned the maximum area of village with their hard work.
5. They took all the garbage away from the Village in Garbage Tempo.

NSS volunteers had attended this event responsibly. After the work we thank to Maan Grampanchayat .Students gave their positive feedback.

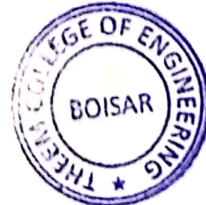
### Outcome:-

1. The event has been done successfully
2. NSS volunteers has been participated actively

Message of Principal: - Principal Sir has been suggested how to do this kind of activity and how can we help to our society with the help of social activity.



PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (E), Tal. & Dist. Palghar-401 501



H.J. Thim Trust's  
**Theem College of Engineering**  
(Success... through quality education !)  
Boisar Chillhar Road, Betegaon, Boisar (East)

## Circular

Reference Circular No: TCOE/NSS/2018-19/09/003

05 September, 2018

### “Anti-Plastic campaign”

All the Students of NSS are informed that the “**Anti-Plastic campaign**” is going to be held on **Saturday, 08<sup>th</sup> September, 2018** at **10:30 a.m.** All the volunteers are requested to attend the Campaign.

**Programme:-**

Rally

Street Play

Cloth Bag Distribution.

**Venue : Boisar**

**Date : 08<sup>th</sup> September, 2018**

**Time : 10:30 a.m.**

Programme Officers :

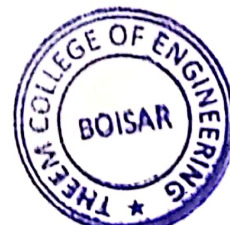
Prof. Arbiya Shaikh

Prof. Vinod Dhande



Principal

THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar - 401 501





H. J. Thim Trust's

# Theem College of Engineering

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• Telefax: (02525) 284 927 • Email: [info@theemcoe.org](mailto:info@theemcoe.org) • Website: [www.theemcoe.org](http://www.theemcoe.org)

TCE/EST/2018-19/123

Date:- 05/09/2018

To,  
Mr. Prakash N. Mirajdar,  
P.S.O.,  
Boisar MIDC,  
Boisar.

Subject: - Permission for Rally of Anti-Plastic Awareness for Society.

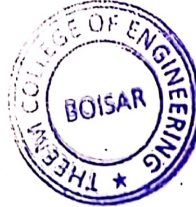
Respected Sir,

As per the message from National Service Scheme cell (N.S.S.), Mumbai University, Theem College Of Engineering wants to do one rally on Anti-Plastic awareness for the society. This rally is from Navapur naka to Ostwal gate. And the numbers of students are fifty. On 08/09/2018 at 10: Am.

We are also planning for one street play on the same topic for half an hour at Ostwal gate.

So kindly give us the permission.

Thanking you.



Yours Faithfully,

(Dr. N. K. Rana)

Principal

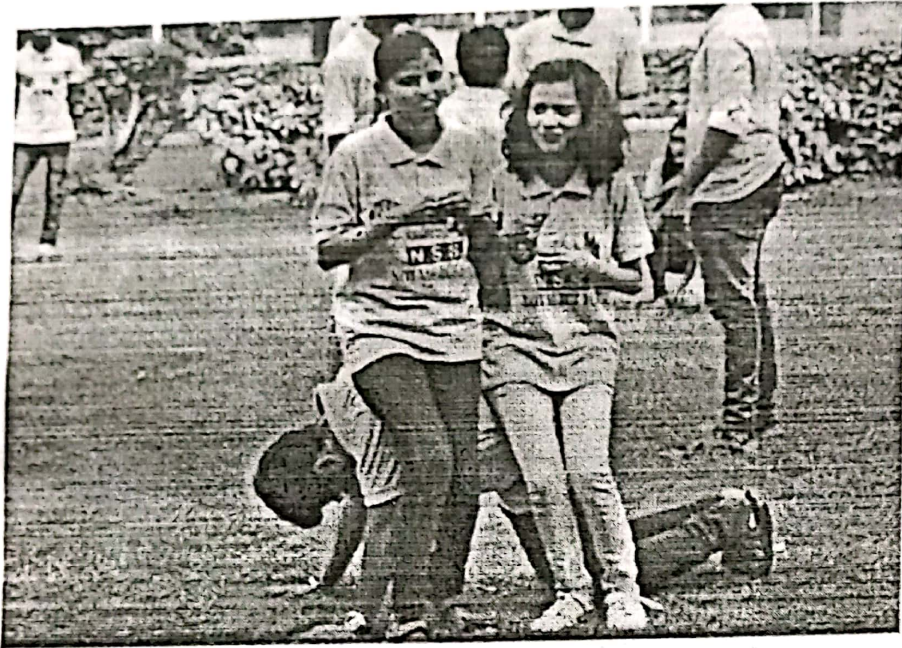
THEEM COLLEGE OF ENGINEERING  
Boisar (Eas), Tal. & Dist. Palghar-401 501

अमलदार  
बोईसर पालोस ठाणे  
05/09/18



दिनांक 7/9/18  
14:00 वा.









# Theem College of Engineering, Boisar

## N.S.S. UNIT

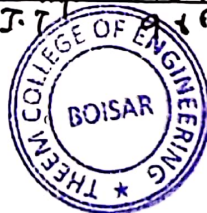
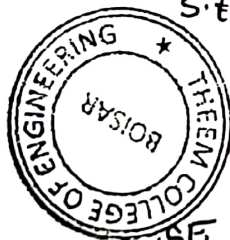
### N.S.S. VOLUNTEER'S ATTENDANCE

ACTIVITY: Anti Plastic Campaign (Rally) DATE: 08/09/18

PLACE: Boisar And clothes bags distribution Hrs: 01 hr

| Sr.No. | Name                  | Class         | Mob. No.    | sign            |
|--------|-----------------------|---------------|-------------|-----------------|
| 01     | Projakta A. Koli      | SE / EXT C    | 7039249352  | <i>Projakta</i> |
| 02     | Abhinav D. Mishra     | SE / COMPS    | 7666606104  | <i>Abhinav</i>  |
| 03     | Mahendra O. Patel     | SE / EXT C    | 9766782615  | <i>(m)patel</i> |
| 04     | RAHUL O. PANDEY       | SE / EXT C    | 7875039150  | <i>Rahul</i>    |
| 05     | Manjiv N. N. A. Jubea | SE / AUTO     | 9518991701  | <i>Manjiv</i>   |
| 06     | Julee L. Mallak       | SE / EXT C    | 7709200191  | <i>Julee</i>    |
| 07     | Manish S. Yadav       | SE / Electric | 8554919773  | <i>Manish</i>   |
| 08     | Aakash Jadhav         | SE / Auto     | 77083256064 | <i>Aakash</i>   |
| 09     | Kaivalya Y. Sawant    | SE / Auto     | 7709926665  | <i>Kaivalya</i> |
| 10     | Shaikh K. Furkan      | TE / IT       | 8007629541  | <i>Shaikh</i>   |
| 11     | Santosh Pandey        | TE / Auto     | 797728673   | <i>Santosh</i>  |
| 12     | Shreshth Kumar        | S.E / civil   | 7276904706  | <i>Shreshth</i> |
| 13     | Dindyal R. Barisuth   | S.E / mech    | 9040090760  | <i>Dindyal</i>  |
| 14     | Atul S. Dubey         | SE / mech     | 8446537054  | <i>Atul</i>     |
| 15     | Parag A. Bhasore      | TE / elect    | 7798090593  | <i>Parag</i>    |
| 16     | Lokesh L. Patel       | TE / elect    | 9860248973  | <i>Lokesh</i>   |
| 17     | Shaikh Salman S       | SE (Auto)     | 7066001415  | <i>Shaikh</i>   |
| 18     | Aditya Hirakole       | SE (Auto)     | 7938446600  | <i>Aditya</i>   |
| 19     | Pranay Sankhe         | T.E Civil     | 9766563434  | <i>Pranay</i>   |
| 20     | Abhay B. Giri         | S.E / COMP    | 8237185004  | <i>Abhay</i>    |
| 21     | Humera Gilani         | T.A / COMP    | 8446665573  | <i>Humera</i>   |
| 22     | Ashwini Mustafa       | SE / comp     | 808269827   | <i>Ashwini</i>  |
| 23     | Sudheer Gupta         | S.E / comp    | 9139813898  | <i>Sudheer</i>  |
| 24     | HARIOM H. PANDEY      | S.E / COMPS   | 9766784748  | <i>Hariom</i>   |
| 25     | Anisa Gilani          | TE / comp     | 7875157868  | <i>Anisa</i>    |
| 26     | Nimesh more           | S.E / J.T     | 77318699    | <i>Nimesh</i>   |

*[Signature]*  
Programme Officer



*[Signature]*  
PRINCIPAL

Sachin Singh  
Sunny Gupta  
Ashwini Mishra

SE COMP 738744423  
11 738744423  
11 738744423

THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar-401 501

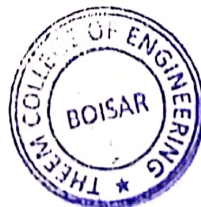
N.S.S. UNIT

## N.S.S. VOLUNTEER'S ATTENDANCE

ACTIVITY: Anti plastic Campaign (Street Play) DATE: 08/09/18PLACE: Boisar MarketHrs: 01 hr

| Sr.No. | Name                    | Class        | Mob. No.   | sign      |
|--------|-------------------------|--------------|------------|-----------|
| 01     | Prajakta A. Koli        | SE / EXTC    | 7039249352 | Prajakta  |
| 02     | Manjinee Naubhad A. Jha | SE / AUTO    | 9418991721 | Manjinee  |
| 03     | Abhinav D. Mishra       | SE / COMPS   | 7666606104 | Abhinav   |
| 04     | RAHUL O. PANDEY         | SE / EXTC    | 7875039190 | Rahul     |
| 05     | Mahendra O. Patel       | SE / EXTC    | 9766782615 | M Patel   |
| 06     | Manish S. Yadav         | SE / Elec    | 8114914773 | Manish    |
| 07     | Akash Jadhav            | SE / Auto    | 7083291084 | Akash     |
| 08     | Kavalya V. Sawant       | SE / Auto    | 2709926665 | Kavalya   |
| 09     | Shaikh Fuzkan           | TE / IT      | 8007629541 | Shaikh    |
| 10     | Sanjosh Pandey          | TG / Auto    | 7977298873 | Sanjosh   |
| 11     | Shashi Kumar            | S.E (IIVI)   | 727690470  | Shashi    |
| 12     | Dindrayal R. Barisheth  | S.F mech     | 7040090760 | Dindrayal |
| 13     | Atul S. Dubey           | S.E mech     | 8446537054 | Atul      |
| 14     | perca A Bhasale         | T.E / elect  | 7798090593 | perca     |
| 15     | Lurkush L. Balle        | T.E / elect  | 9860248973 | Lurkush   |
| 16     | Shaikh Salman S.        | SE (Auto)    | 7066001415 | Shaikh    |
| 17     | Aditya Furubek          | SE (Auto)    | 7738948600 | Aditya    |
| 18     | Pranay Sankhe           | T.E Civil    | 9766513434 | Pranay    |
| 19     | Abhay B. Giri           | S.E / COMP   | 8237185004 | Abhay     |
| 20     | Humera Gilani           | T.A / COMP   | 8444688553 | Humera    |
| 21     | Sachin R. Singh         | S.E / comp   | 7387444773 | Sachin    |
| 22     | HARLOM H. PANDEY        | S.E. / COMPS | 9766784749 | Harlom    |
|        | Sunny Gupta             | SE / comp    | 7021237098 | Sunny     |
| 24     | Anisa Gilani            | T.E / comp   | 7875157868 | Anisa     |
| 25     | Prerana surode          | TE comp      | 800709308  | Prerana   |
| 26     | Nimesh more             | S.E I.T      | 9867318699 | Nimesh    |

  
Programme Officer



  
Principal

# REPORT ON ANTI-PLASTIC CAMPAIGN IN BOISAR

Plastic bags harm the environment in numerous ways. Once they enter into soil, they lower its fertility and affect our farmers' production. Besides, when these bags are used up, they litter the streets and block drains and when burned, they release toxic chemicals and contaminate the air.


Hence, with the aim of raising awareness against the use of polythene bags, Theem college of Engineering, Boisar, carried out anti-plastic campaign in Boisar on 08/09/2018.

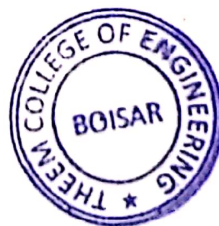
On this day, we had covered daily market, Bus stand area, railway station area and Ostwal market area where our N.S.S. volunteers visit and distribute environment-friendly cloth bags among the shopkeepers and residents so that plastic bags can be replaced. In these areas, our N.S.S. volunteers are going door to door and requesting peoples to use cloth bags for their daily use like buying Fruits, Vegetables, Bread/ Milk, etc.

Regarding to this campaign our N.S.S. volunteer arranged one rally from Navapur naka to Ostwal gate via Railway station and Bus stop. They also arranged one street play for this Anti-plastic campaign.

Our N.S.S. volunteers are urging people to stop using disposable Plastic Plates/Cups, Glasses and Containers that are very harmful. When the food items stored in plastic containers are re-heated in the microwave, they are likely to get contaminated with plastic chemicals.

In this way, we had successfully convey the message regarding the Anti-plastic to the Boisar peoples.

  
NSS P.O.



  
PRINCIPAL  
THEEM COLLEGE OF ENGINEERING  
Boisar (East), Tal. & Dist. Palghar-401 501.



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Tel.: +917769916109 • Email : info@theemcoe.org • Website : www.theemcoe.org

## Circular

Reference Circular No: TCOE/NBS/2022-23/08/003 ~~08~~ August, 2022  
02

### "Tree Plantation"

All students are informed that the "Tree Plantation" is going to be conducted on 8<sup>th</sup> August 2022 at MAAN Village near Boisar under "Azadi ka Amrut Mahotsav" initiative on 75 years of Independence.

Venue: MAAN Village, Boisar.  
Day & Date: Monday, 8<sup>th</sup> August 2022  
Time: 11.00 a.m.  
Duration of the programme: 3 hours

All are requested to report near the NSS Office before 15 minutes of the commencement of the program.

Programme Officer

Prof. Arbiya Shaikh  
Prof Krishna Sonawane

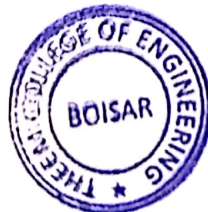


Principal

THEEM COLLEGE OF ENGINEERING  
Boisar (E) Tal & Dist. Palghar - 401 501.  
Dr. Shah Aqueel Ahmed

Director

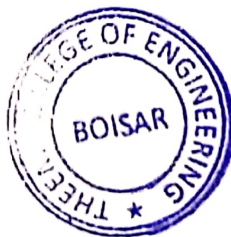
DIRECTOR  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal & Dist. Palghar - 401 501.





*Srbijp*

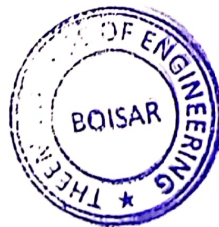
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*Signature*





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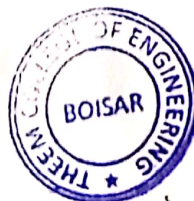
## NSS Unit Attendance of NSS Volunteers

Name Of the Activity Tree plantation Date 3/8/22  
Time: From \_\_\_\_\_ to \_\_\_\_\_  
Venue Maan Village

| Sr.no. | Name of Volunteer  | Class | Div  | Enrollment no | Signature         |
|--------|--------------------|-------|------|---------------|-------------------|
| 1      | Rani Shah          |       |      |               | <u>Rani</u>       |
| 2      | Jeet Kawali        |       |      |               | <u>Jeet</u>       |
| 3      | Shraddha Deshpande |       |      |               |                   |
| 4      | Rajkumar Peshkar   | T.E   | Comp |               | <u>Rajkumar</u>   |
| 5      | Aishwarya G.       | T.E   | Comp |               | <u>Aishwarya</u>  |
| 6      | Suraj Kulkarni     | T.E   | Comp |               | <u>Suraj</u>      |
| 7      | Gauravi Mokashi    | T.E   | Comp |               | <u>Gauravi</u>    |
| 8      | Supriya Sane       | T.E   | Comp |               | <u>Supriya</u>    |
| 9      | Arjun Patil        | T.E   | Comp |               | <u>Arjun</u>      |
| 10     | Khaled Pasha       |       |      |               |                   |
| 11     | Satyam Jha         | T.E   | Comp |               | <u>Satyam</u>     |
| 12     | Jasmeet Pawade     | T.E   | Comp |               | <u>Jasmeet</u>    |
| 13     | Jaubik Bodake      |       |      |               | <u>Jaubik</u>     |
| 14     | Aadarshkumar Ch.   |       |      |               | <u>Aadarsh</u>    |
| 15     | Chandramohan Thi.  |       |      |               |                   |
| 16     | Mishal Sharma      |       |      |               |                   |
| 17     | Rutik Sunil        |       |      |               |                   |
| 18     | Anjali Purohit     |       |      |               | <u>Anjali</u>     |
| 19     | Rajan Vishwakarma  |       |      |               |                   |
| 20     | Priya Jha          |       |      |               | <u>Priya</u>      |
| 21     | Abubakar Thim      |       |      |               | <u>Abubakar</u>   |
| 22     | Bahafaisal         |       |      |               | <u>Bahafaisal</u> |
| 23     | Siddiqui Mehrez    | SE    | AMEL |               | <u>Siddiqui</u>   |

Sign of NSS Program Officer

Sign of NSS Leader





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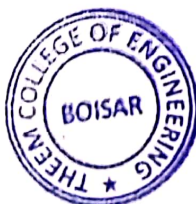
## NSS Unit Attendance of NSS Volunteers

Name Of the Activity Tree plantation Date 3/8/22  
Time: From \_\_\_\_\_ to \_\_\_\_\_  
Venue \_\_\_\_\_

| Sr.no. | Name of Volunteer   | Class | Div    | Enrollment no | Signature |
|--------|---------------------|-------|--------|---------------|-----------|
| 24     | Shantanu Doman      | BE    | Elect. |               |           |
| 25     | Rohit Mahale        | BE    | Elect. |               |           |
| 26     | Dhruv Mishra        | SE    | IT     |               |           |
| 27     | Sudhanshu Jha       | SE    | IT     |               |           |
| 28     | Durgesh Patel       | SE    | IT     |               |           |
| 29     | Ganesh Metku        | SE    | IT     |               |           |
| 30     | Harsmit Singh       | SE    |        |               |           |
| 31     | Rangari Rayyan      | SE    | AI     |               |           |
| 32     | Khan Mo Saif        | SE    | AI     |               |           |
| 33     | Anaf Khan           | SE    |        |               |           |
| 34     | Syed Sumbul         | SE    | Comp   |               |           |
| 35     | Sheikh Mati         | SE    |        |               |           |
| 36     | Sheikh Shebaz       | SE    | Comp   |               |           |
| 37     | Ritesh Pal          |       |        |               |           |
| 38     | Prem Yadav          |       |        |               |           |
| 39     | Kabri Wali Mohammad |       |        |               |           |
| 40     | Khandekar Shubham   | S.E   | comp   |               |           |
| 41     | Hayyan Vasa         | SE    | comp   |               |           |
| 42     | Shreshth Rashid     |       |        |               |           |
| 43     | Sheikh Adil         |       |        |               |           |
| 44     | Yash Debey          |       |        |               |           |
| 45     | Moiz Shaikh         | SE    | comp   |               |           |
| 46     | Faif Sayed          | S-E   | COMP   |               |           |

Sign of NSS Programme Officer

Sign of NSS Leader







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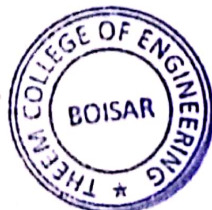
## NSS Unit Attendance of NSS Volunteers

Name Of the Activity Tree plantation Date 3/8/22

Venue Maan Time: From \_\_\_\_\_ to \_\_\_\_\_

| Sr.no. | Name of Volunteer  | Class | Div  | Enrollment no | Signature |
|--------|--------------------|-------|------|---------------|-----------|
| 47     | Atam Umay          | S.E   | IT   |               | Atam Umay |
| 48     | Harim Sharma       | S.E   | IT   |               | Harim     |
| 49     | Khushi Gupta       | S.E   | IT   |               | Khushi    |
| 50     | Anurag Mishra      | S.E   | IT   |               | Anurag    |
| 51     | Saurabh Mishra     | S.E   | IT   |               | Saurabh   |
| 52     | Himanshu           | S.E   | IT   |               | Himanshu  |
| 53     | Janvi              | S.S   | IT   |               | Janvi     |
| 54     | Mitali Mhatre      | TE    | IT   |               | Mitali    |
| 55     | Ronit Singh        | SE    | IT   |               | Ronit     |
| 56     | Prachi Patil       | SE    | IT   |               | Prachi    |
| 57     | Azman Shaikh       | SE    | IT   |               | Azman     |
| 58     | Archis Sawe        | TE    | IT   |               | Archis    |
| 59     | Haidar Bagasrawala | TE    | Comp |               | Haidar    |
| 60     | Fahmida Khan       | TE    | IT   |               | Fahmida   |
| 61     | Sanchi Chaudhary   | TE    | Comp |               | Sanchi    |
| 62     | Laurik Bodake      | T.E   | Mech |               | Laurik    |
| 63     | Karlik Mhatre      | T.E   | Mech |               | Karlik    |
| 64     | Sheikh Mati        | S.E   | Comp |               | Mati      |
|        |                    | END   |      |               |           |
|        |                    |       |      |               |           |
|        |                    |       |      |               |           |
|        |                    |       |      |               |           |

Sign of NSS Programme Officer



Sign of NSS Leader



H. J. Thim's Trust

# THEEM COLLEGE OF ENGINEERING

(Affiliated to University of Mumbai)

## REPORT

Activity: - TREE PLANTATION

Date: 08/08/2022

Objective of Activity : To Plant Trees

- VENUE:- MAAN Village
- TIME:- 11.00 a.m
- Organized by:- N.S.S. Volunteers, Theem college of Engineering .

Agenda of Activity :

1. To plant maximum Trees to create healthy environment
2. As students were technical students to create awareness about Nature and Tree plantation in them.

Execution:-

1. Our NSS Volunteers did all the arrangements.
2. NSS Volunteers collected 100 plants from Forest Department Boisar .
3. Activity started at 11:00 a.m.

NSS Volunteers had attended this event responsibly. After the work students expressed their positive feedback.

Outcome:-

1. NSS volunteers has been participated actively
2. NSS volunteers, planted 100 plants under 75th azadi ka amrit mahotsav.
3. The event has been done successfully

Message of Principal: - Principal sir has been suggested how to do this kind of activity and how can we help to our society with the help of social activity.

THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 511



  
DIRECTOR  
THEEM COLLEGE OF ENGINEERING  
Boisar (East) Tal. & Dist. Palghar-401 511



**6. Certificate & Award received.**



# ग्राम पंचायत कार्यालय, नवापूर

| मु.पो. नवापूर, ता.पालघर, जि. पालघर, ४०१ ५०१, महाराष्ट्र. |  
दूरध्वनी : ०२५२५-२८८०४९

स्थापना १९८३




## Certificate

Reference: - 76/2023

Date: - 15/Feb/2023

To whomever it may concern that\_

This is an certified that Theem College of Engineering Boisar East MH-401501 has been awarded as a Clean and Green Campus. This is in recognition of its constant efforts in meticulously maintaining a lush Green and a very Clean campus,

  
सरपंच  
ग्रामपंचायत नवापूर

