



OFFICE OF THE PRINCIPAL

# MANGALDAI COLLEGE

"AUTONOMOUS"

(Accredited with 'A' Grade by NAAC)

MANGALDAI, DIST.: DARRANG, ASSAM-784125

Phone: 6002736716, 6002727340 E-mail: [principalmangaldaicollege@gmail.com](mailto:principalmangaldaicollege@gmail.com)

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Date: 30/12/2025

## **Waste Management and Environmental Improvement Measures:**

The institution has adopted effective waste management and environmental improvement measures to ensure a clean, sustainable, and green campus. Solid waste is segregated at source into biodegradable and non-biodegradable waste and disposed of through appropriate municipal or authorized agencies. Measures are taken to minimize plastic usage within the campus and promote cleanliness and hygiene. The college encourages eco-friendly practices such as tree plantation, maintenance of green spaces, rainwater drainage management, and energy conservation. Awareness programmes are conducted to promote environmental responsibility among students and staff, thereby ensuring a sustainable and green campus environment in accordance with AICTE guidelines.

## The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and non-degradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

### **Policy Document on the Green Campus/Plastic Free Campus**

#### *Supportive Documents,*

- ❖ *Environment Policy Document of Mangaldai College*
- ❖ *Green Protocol of Mangaldai College*
- ❖ *MoU Between Mangaldai College and Mangaldai Municipality Board Mangaldoi*
- ❖ *Submission Letter of Green Audit*
- ❖ *Work order for conducting Electrical Energy & Safety Audit*
- ❖ *Submission Letter of Electrical Energy & Safety Audit Report*

**ENVIRONMENT POLICY DOCUMENT**  
**OF**  
**MANGALDAI COLLEGE**



**PREPARED BY**  
**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
**MANGALDAI COLLEGE**

Principal  
Mangaldai College  
Mangaldai



### 1. Introduction:

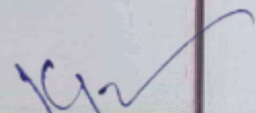
Mangaldai College, situated on the northern bank of the formidable Brahmaputra River in central Assam, stands as a distinguished Higher Educational Institute in the Darrang District. Affiliated to Gauhati University, the college offers a comprehensive educational experience encompassing Science, Arts, and a skill-based Bachelor of Vocational (B.Voc.) Programme.

Established in 1951 by forward-thinking citizens, Mangaldai College has evolved into a prominent higher education institution within the district. Its growth is attributed to the dedicated efforts of the administration, faculty, students, and various stakeholders. The college, with an annual enrolment exceeding 3000 students, hosts twenty departments providing twenty-two undergraduate degree programs, including self-sustaining options, and a postgraduate program in Assamese. Additionally, the institution offers several certificate courses for academic enrichment.

Covering 33.33 acres, the college boasts a lush green environment, with over 50% of the area under green cover. Striving for academic excellence and character integrity, the institution aims to provide the best academic, sporting, and cultural facilities for the holistic development of its students. Embracing a decentralized governance model, Mangaldai College encourages the active participation of all stakeholders to foster an environment conducive to knowledge, research, skill development, and humanitarian values.

Accredited by NAAC in September 2018 for the second cycle, the college continually works towards enhancing its quality. It remains committed to inclusivity by providing higher education access to economically and socially disadvantaged sections of society. Mangaldai College engages in various events, observes important days, conducts awareness programs, and contributes to community service in areas such as sanitation, environment, sustainability, and literacy.

The college's NSS, NCC (Boys & Girls), Youth Red Cross, and other cells actively participate in extension activities, leaving a visible impact on society. Faculty members

  
Principal  
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Mangaldai





contribute to research activities, with publications in reputable international journals indexed in global databases. With a vision of building a caring and sharing society, Mangaldai College persists in its mission to foster academic growth, community engagement, and overall societal betterment.

#### **Need of Environmental Policy in Higher Education:**

The environmental policy of higher educational institutions outlines their commitment to environmental sustainability and serves as a guiding framework for integrating sustainable practices into campus operations, academic programs, and community engagement efforts. While specific policies may vary from one institution to another, here are some common components typically found in the environmental policies of higher educational institutions:

- a. **Mission and Commitment:** The policy begins with a statement expressing the institution's commitment to environmental sustainability, conservation of natural resources, and reduction of environmental impact. It aligns with the institution's broader mission and values, emphasizing the importance of environmental stewardship in fulfilling its educational and societal responsibilities.
- b. **Legal Compliance:** The policy acknowledges the institution's obligation to comply with relevant environmental laws, regulations, and standards at the local, regional, national, and international levels. It commits the institution to maintaining compliance with environmental requirements and striving for continuous improvement in environmental performance.
- c. **Resource Conservation:** The policy emphasizes the importance of conserving natural resources, such as energy, water, and materials, through efficient use, conservation measures, and the adoption of renewable energy sources. It sets goals for reducing resource consumption, minimizing waste generation, and promoting recycling, reuse, and composting initiatives on campus.
- d. **Pollution Prevention:** The policy articulates the institution's commitment to pollution prevention and environmental protection measures to minimize air, water, and soil pollution. It outlines strategies for reducing emissions, managing hazardous

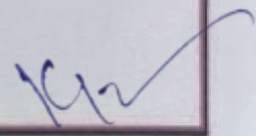
Principal  
Mangaldai College  
Mangaldai



materials, and preventing contamination of the environment through responsible waste management practices.

- e. Sustainable Operations:** The policy promotes sustainable practices in campus operations, including facilities management, transportation, procurement, and food services. It encourages the adoption of eco-friendly technologies, green building design principles, sustainable transportation alternatives, and environmentally preferable purchasing practices to reduce the institution's carbon footprint and ecological impact.
- f. Environmental Education and Research:** The policy underscores the importance of integrating environmental education, research, and outreach into academic programs and extracurricular activities. It encourages interdisciplinary collaboration, promotes environmental literacy among students, faculty, and staff, and supports research initiatives aimed at addressing environmental challenges and finding innovative solutions.
- g. Community Engagement:** The policy emphasizes the institution's role as a responsible member of the community and promotes partnerships with local stakeholders, government agencies, nonprofit organizations, and businesses to advance environmental sustainability goals. It encourages community outreach, environmental advocacy, and collaborative initiatives that contribute to the broader goal of sustainable development.
- h. Monitoring and Reporting:** The policy establishes mechanisms for monitoring, evaluating, and reporting on the institution's environmental performance and progress towards sustainability goals. It may include provisions for conducting regular audits, tracking key performance indicators, and publishing annual sustainability reports to communicate achievements and challenges transparently.

Overall, the environmental policy of higher educational institutions reflects their commitment to environmental stewardship, sustainability, and social responsibility. It provides a framework for integrating sustainable practices into all aspects of institutional operations, fostering environmental leadership, and inspiring positive change within the campus community and beyond.

  
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Mangaldai





### **Environmental Policy of Mangaldai College:**

Mangaldai College, located in the Darrang district of Assam, is a prominent educational institution in the region. Founded in 1951, the college has maintained a distinguished academic atmosphere for students and faculty over the years. Displaying a strong dedication to environmental awareness, the college has embarked on various green initiatives to protect its natural surroundings and maintain a pollution-free campus. This collaborative endeavor involving the college administration, students, staff, faculty, and other stakeholders underscores a mutual commitment to preserving, safeguarding, and nurturing the college's green environment.

### **Environmental Policy Statement of Mangaldai College:**

The environmental policy of Mangaldai College is to conserve natural environment, develop sustainable solutions, promote rural and traditional technologies and control energy consumption in order

- To build awareness among students about conservation of natural resources and development of sustainable environment and maintain the green environment of the college.
- To promote plantation of endemic species to maintain ecological balance in the campus.
- To conduct green audit on regular basis to maintain and monitor the green initiatives taken by the college.
- To promote rain water harvesting in the campus using rural traditional methods.
- To make the campus pollution (air, water, soil and sound) free.
- To sensitize the stakeholders about the proper utilization of drinking water without any wastage.
- To promote and install bio-friendly dry and wet dustbins in the campus for waste collection and management.
- To minimize the use of paper and paper waste to promote paperless office environment.

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Mangaldai



To minimize soil pollution and to increase natural soil fertility by using the vermicompost produced in the College Vermicompost Plant.

To generate interest among the students for eco friendly life skill practices like organic farming, mushroom cultivation, vermicompost production etc.

#### **Policy Objectives:**

The objectives of this environmental policy of Mangaldai College are as follows.

- To educate and engage students and employees on environmental concerns and sustainability.
- To promote and appreciate traditional rural technologies for conservation of natural environment.

#### **Environmental Policy Statement of Mangaldai College:**

"Our institution is dedicated to fostering a culture of environmental responsibility, stewardship, and sustainability. We recognize the importance of preserving natural resources, minimizing environmental impact, and promoting eco-friendly practices in all aspects of our operations. Through collaboration, innovation, and continuous improvement, we strive to protect the environment, enhance quality of life, and inspire positive change within our campus community and beyond. Our mission is to lead by example, educate and engage stakeholders, and contribute to a healthier, more sustainable future for generations to come."

Signature

Principal  
Mangaldai College

Dr. Kamala Kantha Borah  
Principal  
Mangaldai College

Signature

IQAC Coordinator  
Mangaldai College

Co-ordinator  
IQAC  
Mangaldai College, Assam

Principal  
Mangaldai College  
Mangaldai





OFFICE OF THE PRINCIPAL  
**MANGALDAI COLLEGE**

MANGALDAI, ASSAM-784125

Phone: 9435137000, 7002501577(M), E-mail: principalmangaldaicollege@gmail.com

Memo No.: MC/2022/ 267

Date: 04/04/2022

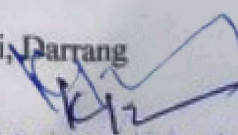


**Green Protocol**

**Mangaldai College**

Conduct of Green Audit every Year

2. Plastic enemy: Avoid the use of single use plastics and follow the orders and regulations of Government for a better future.
3. Use the waste Bins: Promotes the dumping of waste in waste bins rather than throwing away.
4. Clean up: Encourage cleaning up of college campus to achieve the clean campus green campus.
5. Plant a tree: Promote the practise of planting different trees in various occasions.
6. Organic farming: Encourage organic farming for safe future.
7. Medicinal plants for healthy future: Encourage the growth of more medicinal plants in college gardens.
8. Installation of 'Used Pen Collection Box' in the college campus.
9. Eco-friendly celebrations: Minimal use of disposable plates and cups for serving food in festivals.
10. Encourage the use of stainless-steel plates in the college canteen.
11. Welcome dignitaries with a Plant sapling, Flower or a Book.
12. Awareness Programmes: Arrange and conduct various awareness programmes on environment conservation, waste management, ill effects of single used plastics.
13. Sign Boards and Posters: Install and follow the sign boards and posters.
14. Conserve energy: Educate students about saving natural resources like water, reduce the consumption of electricity by switching off the electrical appliances after use.
15. LED for better light to the future: Encourage the use of energy-efficient LED bubs instead of other bulbs.
16. Avoid open burning: Encourages the use of incinerators.
17. Solar Panels: Maintain the solar panels to meet energy needs.
18. Menstrual Hygiene: Maintain the incinerator and pad vending machine in the girl's washroom and girl's common room
19. Reduced Paper Use: Reduce the use of papers and encourage e-copies.
20. Collaborative activity: Signing MoU with Municipality Board, Mangaldai, Darrang

  
Dr. Kamala Kanta Borah  
(Principal)  
Mangaldai College  
Mangaldai

**MEMORANDUM OF UNDERSTANDING (MoU)**  
**ON DISPOSAL OF SOLID AND PLASTIC WASTE**  
**AND E-WASTE**

**BETWEEN**

**MANGALDAI COLLEGE, MANGALDOI**



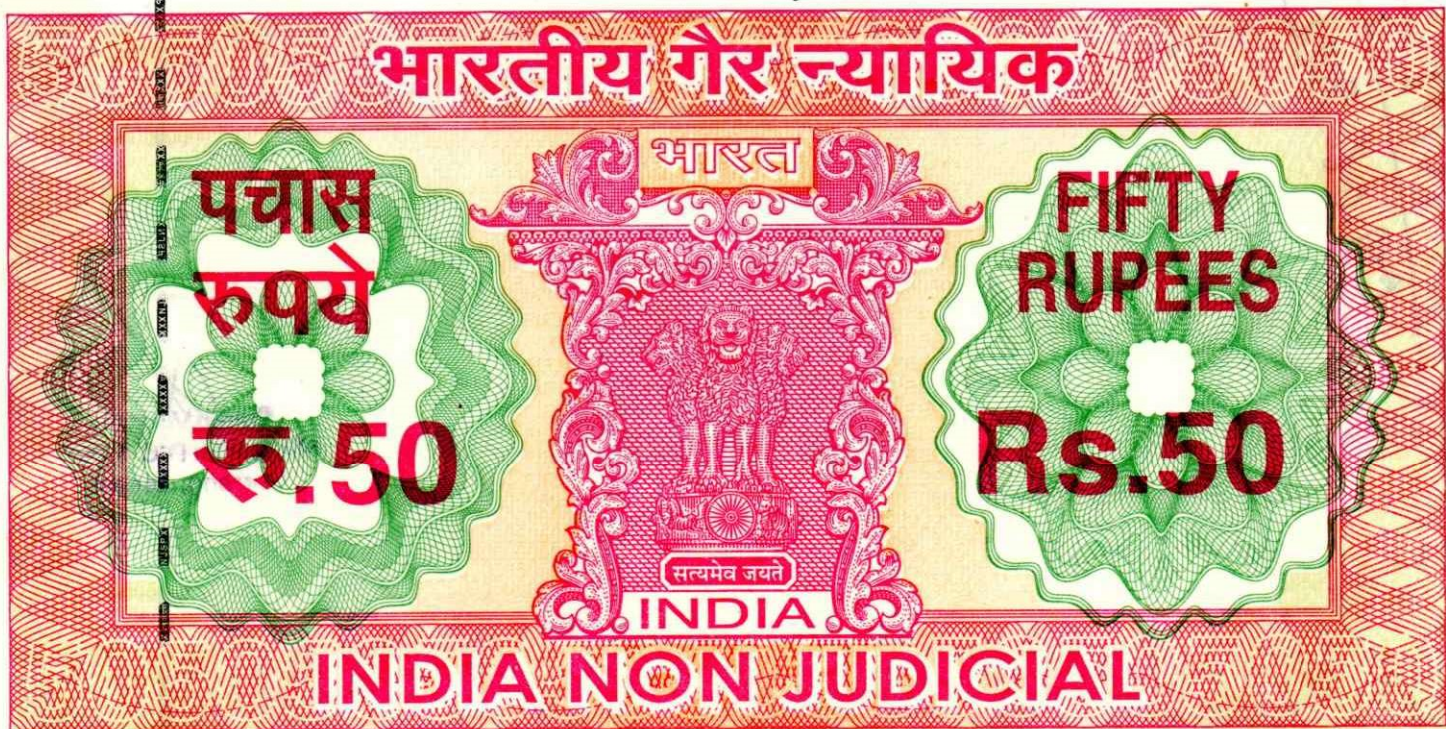
**AND**

**MANGALDAI MUNICIPAL BOARD, MANGALDOI**



  
Principal  
Mangaldai College  
Mangaldai





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**Memorandum of Understanding (MoU)  
On Disposal of Solid and Plastic Waste and E-Waste**

*Between*

**MANGALDAI COLLEGE, MANGALDOI**

*And*

**MANGALDAI MUNICIPAL BOARD, MANGALDOI**

**OBJECTIVE OF THE MOU**

Mangaldai College is the pioneer HEI of Darrang district with more than three thousand students enrolled annually. The campus of the college remains vibrant with academic, co-curricular, and extracurricular activities, and the college also hosts various programs scheduled by the government and other public authorities. It is of immense importance for Mangaldai College to provide a clean and green campus to the college community, in particular, and the general public at large. In order to provide an environment-friendly campus to the young generation, the proper disposal of waste needs to be carried out effectively. Due to the lack of such proper disposal units at Mangaldai College, the college has signed this memorandum of understanding with the Mangaldai Municipal Board to properly dispose of solid and plastic waste, as well as e-waste generated on the Mangaldai College campus.

This MOU will be effective for three years from the date of its signing by the parties

*[Signature]*  
Principal  
Mangaldai College  
Mangaldai



### **DETAILS OF THE MEMORANDUM OF UNDERSTANDING**

1. The Mangaldai College should keep segregated dustbins (dry waste-blue dustbin, wet waste-green dustbin) at selected places for storage of segregated waste.
2. The Mangaldai College shall collect and segregate the waste and keep it in segregated dustbins at selected locations on the campus for disposal by the Mangaldai Municipal Board.
3. The Mangaldai Municipal Board will collect solid and plastic waste from separate dustbins on the college premises once a week.
4. The Mangaldai Municipal Board shall assist Mangaldai College in collecting e-waste in a segregated manner.
5. The Mangaldai Municipal Board should not collect any chemical or medical waste from Mangaldai College.
6. The Mangaldai Municipal Board will assist the Mangaldai College in keeping the premises clean as per additional charges on the basis of the labour employed whenever a major event is held at the college. And during cleaning, if needed materials would be provided by Mangaldai college.
7. Mangaldai College, along with Mangaldai Municipal Board, shall organise awareness programmes on cleanliness and the environment. and students of Mangaldai College are required to participate in various awareness activities organized by Swachh Bharat Mission(U).
8. Mangaldai College shall provide technical assistance and consultancy services to Mangaldai Municipal Board if sought by Mangaldai Municipal Board.
9. The Mangaldai College shall pay an amount of Rs. 150/- of the charges levy to Mangaldai Municipal Board from the first month onwards within 10th days of the calendar month till the period of the MoU.


  
Principal  
Mangaldai College  
Mangaldai

### DECLARATION

The Mangaldai Municipal Board and the Mangaldai College do hereby accept and abide by the aforesaid terms of Memorandum of Understanding. The signing parties shall use their best endeavours to settle amicably any difference or dispute arising under or in connection with this MoU through consultation and negotiation.

Either party may terminate this MoU by giving thirty (30) days prior notice to the other Party.

  
14/02/23  
Executive Officer  
Mangaldai Municipal Board  
Mangaldai, Darrang, Assam  
Date:

  
14-2-2023  
Principal  
Mangaldai College  
Mangaldai, Darrang, Assam  
Date:

  
Principal  
Mangaldai College  
Mangaldai



# DEPARTMENT OF GEOGRAPHY

MANGALDAI COLLEGE, MANGALDAI

DIST-DARRANG, P.O-MANGALDAI, PIN-784125

Phone & Fax: +91 91015 90613, +91 70021 76377(M), E-mail: [geographymangaldaicollege@gmail.com](mailto:geographymangaldaicollege@gmail.com)

Date: 25.12.2023

To  
The Principal  
Mangaldai College  
Mangaldai, Dist: Darrang  
Assam. PIN – 784 125

From  
Dr. Pranjit Kumar Sarma  
Convener  
Green and Environmental Audit Committee  
Mangaldai College, Dist: Darrang  
Assam. PIN – 784 125

Subject: Submission of Final Green and Environmental Audit Report of Mangaldai College for the year 2023.

Ref.: Your notice dated 28.09.2023

Dear Sir,

With reference to your notice dated 28.09.2023, I am submitting herewith the final green and environmental audit report of Mangaldai College for the year 2023. The report has been reviewed thoroughly by the external experts of the Green Audit Committee and necessary corrections have been incorporated as per their comments and recommendations.

This is for your kind information and necessary action.

Thanking you

Dr. Pranjit Kumar Sarma

Principal  
Mangaldai  
Manga



**Work order for conducting Electrical Energy & Safety Audit**



OFFICE OF THE PRINCIPAL  
**MANGALDAI COLLEGE**

MANGALDAI, ASSAM-784125

Phone: 9435137000, 7002501577(M), E-mail: principalmangaldaicollege@gmail.com

Memo No.: MC/2023/

Date: 07-11-2023

From: Dr. Kamala Kanta Borah, M.Sc., Ph.D.  
Principal,  
Mangaldai College, Mangaldai.

To  
Mr Mrinmoy Boruah  
MRINMOY BORUAH ENGINEERING  
Certified Energy Auditor  
Khanamukh, Guwahati, Assam

Dear Sir,

With reference to your Offer Letter, dated 7<sup>th</sup> November, 2023, I am please to request you to conduct the Energy Audit of Mangaldai College as per the terms of the offer letter.

Thanking you.

Principal  
Mangaldai College  
Mangaldai

MRINMOY BORUAH ENGINEERING

Certified Energy Auditor (Registration No.: EA-3511)  
Electrical Consultant & Contractor (Registration No.: 2817, GoA)

Works: 2-E, Anusuya Akash Apartments, Khanamukh, Guwahati,  
Assam, 781014  
Cell: 98540-63445, 9101043120  
Email: [mrinmoyboruah@gmail.com](mailto:mrinmoyboruah@gmail.com)

Energy Audit	Circuit Design	Fault Detection & Analysis	LT/HT Works	Load Balancing	PF Improvement	Fault Detection & Analysis	LT/HT Works
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PAN: ACAPB0084F

Date: 22/11/2023

To  
The Principal,  
Mangaldai College,  
Mangaldai, Assam

Sub: Submission of Electrical Energy & Safety Audit Report

Dear Sir,

We are pleased to inform you that we have successfully completed the Electrical Energy & Safety Audit of your college campus as per your work order.

Please find enclosed the soft copy of our “Electrical Energy & Safety Audit Report”. We will send a physical copy of the Audit Report to you by post.

We have enclosed our bill for the work (Invoice# 23-24/003, dt. 22/11/23). Kindly arrange for early release of the payment.

If you wish, we are also ready to take up the necessary rectification and improvement works suggested in our Audit Report, as per our mutually negotiated terms.

Thanking you.

Yours sincerely,



(Mrinmoy Boruah)

Enclosed:

- 1) Electrical Energy & Safety Audit Report of Mangaldai College
- 2) Our invoice #23-24/003, dated 22/11/23.



Principal  
Mangaldai College  
Mangaldai