



Jorhat Kendriya Mahavidyalaya

Kenduguri, Jorhat-785010 (Assam)

Affiliated by Dibrugarh University

Supporting Documents for NAAC Annual Quality Assurance Report (AQAR) Period: 2022-2023

Criterion 7	Key Indicator: 7.1
INSTITUTIONAL VALUES AND BEST PRACTICES	Institutional Values and Social Responsibilities
Metric Number: 7.1.3	Institution's Facilities for the Management of the Degradable and Non-Degradable Waste

**Prepared and submitted by
IQAC, Jorhat Kendriya Mahavidyalaya**

Submitted To



**NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Saikia
Principal



Jorhat Kendriya Mahavidyalaya

Kenduguri, Jorhat-785010 (Assam)

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Criterion 7	Key Indicator: 7.1
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SL.NO.	CONTENT
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2.	LIQUID WASTE MANAGEMENT
3.	E-WASTE MANAGEMENT
4.	WASTE RECYCLING SYSTEM

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Saikia
Principal



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1. SOLID WASTE MANAGEMENT

MANAGEMENT OF SOLID BIO- DEGRADABLE WASTE GENERATED IN THE COLLEGE

- The waste generated by all sorts of routine activities carried out in the College is segregated at source level into different coloured dustbins on the basis of their degradability.
- Apart from this, bamboo dustbins are provided in different locations within the campus.
- The Biodegradable waste collected from the college campus is used in the Vermicomposting Unit to produce vermicompost. The compost produced is then used in the garden area. The Vermicompost produced from this unit is named as **“Krishi Mitra”**.
- The college also provides Skill courses on Vermicompost and Add on Courses (Dibrugarh University approved) on Vermicompost Technology and Waste Management.
- The different solid waste collected from the college campus are burnt at a high temperature in a **unique incinerator** designed by the Chemistry Department.
- An initiative has been taken by the students of Chemistry department -
 - ❖ Collected and decomposed organic waste from the college canteen and hostel in a plastic rotating cylindrical drum designed by them to produce compost.
 - ❖ Collected the Water Hyacinth fibre to make useful products.
- A Waste Paper Recycling Unit was established in the college on the occasion of National Science Day ,2023 to recycle the waste paper collected from the college to make useful paper.
- The organic waste is also decomposed in a **biogas plant digester** to produce biogas.
- Rest waste is disposed through vendors.

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SEGREGATION OF WASTE IN VARIOUS COLOURED BINS

SEPARATE DUSTBINS FOR SEGREGATION



Pranjal Dutta

Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Saikia

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Principal



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BAMBOO DUSTBINS ARE PLACED IN DIFFERENT LOCATIONS IN THE COLLEGE

BAMBOO DUSTBINS PLACED IN VARIOUS LOCATIONS IN THE CAMPUS



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VERMICOMPOST PRODUCTION UNIT



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Coordinator, IQAC



Dr. Dulen Saikia
Principal



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**THE VERCOMPOST PRODUCED IS NAMED AS
“KRISHIMITRA” A START UP PRODUCT OF JKM**

PACKAGING GOING ON FOR “KRISHIMITRA” VERMICOMPOST



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Coordinator, IQAC



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Principal



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**PLASTIC ROTATING CYLINDRICAL DRUM FOR
COMPOSTING
DESIGNED BY DEPARTMENT OF CHEMISTRY**

COMPOST PRODUCED FROM THE KITCHEN WASTE



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Coordinator, IQAC



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BIOGAS DIGESTER TANK

THE ORGANIC WASTE IS ALSO DECOMPOSED IN A BIOGAS PLANT
DIGESTER TO PRODUCE BIOGAS



Q69V+VP6, Number 2, Charigaon, Brahmingaon, A
785010, India

Latitude
26.769698333333334°

Longitude
94.244175°

Local 01:26:23 PM

Altitude 48.3 meters

GMT 07:56:23 AM

Wednesday, 02.22.2023

Pranjal Dutta
Coordinator, IQAC



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Principal



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WASTE RECYCLING PROCESS A PROJECT DONE BY THE STUDENTS OF CHEMISTRY

**Waste Management: Study and quality analysis of homemade paper by
Mr. Bastab Bora and Nabadip Bharadwaz**



Students doing the project out of waste paper

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Coordinator, IQAC



Dr. Dulen Saikia
Principal



Jorhat Kendriya Mahavidyalaya

Kenduguri, Jorhat-785010 (Assam)

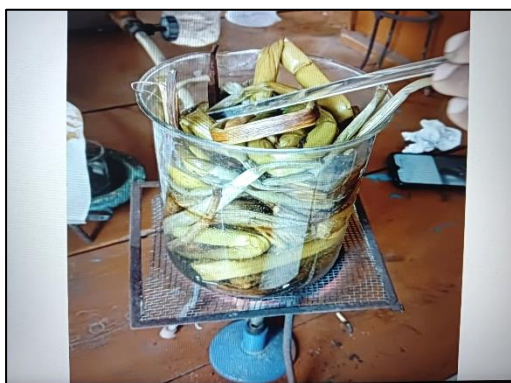
Affiliated by Dibrugarh University

**PROJECT DONE BY THE STUDENTS OF 6TH SEMESTER
(CHEMISTRY DEPT.) WITH THE EXTRACTION OF WATER -
HYACINTH FIBRE**

Study on extraction of water hyacinth fibre from water hyacinth system: Using H_2O_2

Name of students: Ankur Taye and Vihan Doley

Departmental Guide: Mr Binod Kr. Hazarika



**WITH THE WATER- HYACINTH FIBRE, PRODUCTS LIKE BAGS HAVE BEEN
MADE BY THE STUDENTS**

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INCINERATOR DESIGNED BY CHEMISTRY DEPARTMENT

THE DIFFERENT SOLID WASTE COLLECTED FROM THE COLLEGE CAMPUS ARE BURNT AT A HIGH TEMPERATURE IN A UNIQUE INCINERATOR DESIGNED BY THE CHEMISTRY DEPARTMENT.



 **GPS Map**
Camera Lite

Q69V+XQF, By Pass Rd, Charigaon, Kenduguri, Assam
785010, India

Latitude
26.769838333333336°

Longitude
94.244310000000001°

Local 03:26:29 PM
GMT 09:56:29 AM

Altitude 7.64 meters
Wednesday, 22.02.2023

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DISPOSING THE SOLID WASTE BY THE VENDOR



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2. LIQUID WASTE MANAGEMENT

- The laboratory liquid waste is managed by using PVC Filter method, a water purification technique.
- The sewage water is disposed to the main drainage system of the locality.
- The waste water from RO is utilised for watering plants.

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LIQUID WASTE MANAGEMENT

WATER PURIFICATION USING PVC-FILTER METHOD



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3. E-WASTE MANAGEMENT

- ❖ E -Waste is disposed of through authorized vendors
- ❖ Few E-waste parts of the outdated computers are displayed in the E-Museum of the college.

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Principal



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MOU SIGNED WITH THE VENDOR

MEMORANDUM OF UNDERSTANDING (E-Waste Management Service Agreement)

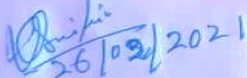
This Agreement is entered into between Jorhat Kendriya Mahavidyalaya, Jorhat and JBEEZ Enterprise Na-Ali Dhekiajuli, Jorhat, Assam on 26-02-2021 for the management of and disposal of all our e-waste in order to sustain Jorhat Kendriya Mahavidyalaya Campus and to conserve our Pure and Green Surrounding as well as Human Resources.

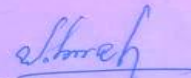
As a part of the Agreement JBEEZ Enterprise will buy all the E-waste created and generated from Jorhat Kendriya Mahavidyalaya Campus. JBEEZ Enterprise will frequently enquire availability of E-Waste or Jorhat Kendriya Mahavidyalaya will inform the availability of E-Waste. Both will mutually decide the rates of the E-waste. This Agreement will continue until JBEEZ Enterprise and Jorhat Kendriya Mahavidyalaya decides to terminate or close it. JBEEZ Enterprise may terminate or close the MOU by giving prior notice to the authority. Once terminated or closed Neither Jorhat Kendriya Mahavidyalaya or JBEEZ Enterprise will be responsible for any losses or liabilities.

Mentioned Term in this Agreement

In this Agreement the Term E-Waste is defined "Electrical" and electronic equipment, whole or in part disassemble as wastes that have become unwanted non working or quaint and have essentially reached the end.


Signatures of Both Parties


(Dr. Dulen Saikia)
Principal
Jorhat Kendriya Mahavidyalaya
Principal
Jorhat Kendriya Mahavidyalaya
Kenduguri, Jorhat-10


JBEEZ Enterprise
Authority
Bishwanath Bordon, 1
Sita Borah


Pranjal Dutta
Coordinator, IQAC




Dr. Dulen Saikia
Principal



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E-WASTE MUSEUM



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Principal



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4. WASTE RECYCLING SYSTEM

- The waste paper generated is recycled in the Waste Paper Recycling Unit to produce useful home - made paper.
- The organic waste generated in the college is used in the Vermicompost Production Unit to Produce Vermi-compost.
- The biodegradable waste generated in college canteen and hostel is used in the Bio-Gas Digester Tank to produce Biogas.

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WASTE RECYCLING PROCESS WASTE PAPER RECYCLING UNIT INAUGURATED ON NATIONAL SCIENCE DAY-2023



The G.B President of JKM inaugurating the **Waste Paper Recycling Unit** on the occasion of National Science Day, 2023

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**WASTE RECYCLING PROCESS
WASTE PAPER RECYCLING UNIT
INAUGURATED ON NATIONAL SCIENCE DAY-2023**

WASTE RECYCLING PROCESS A PROJECT DONE BY THE STUDENTS OF CHEMISTRY



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WASTE RECYCLING PROCESS OF ORGANIC WASTE PRODUCING VERMICOMPOST AND BIO-GAS

BIO-GAS



Q69V+VP6, Number 2, Charigaon, Brahmingaon, Assam
785010, India

Latitude

26.769654999999997°

Local 01:26:41 PM

GMT 07:56:41 AM

Longitude

94.24422166666666°

Altitude 29.1 meters

Tuesday, 02.14.2023

VERMICOMPOST



Pranjal Dutta
Coordinator, IQAC



Dr. Dulen Saikia
Principal