



Vivekananda Mahavidyalaya

বিবেকানন্দ মহাবিদ্যালয়

Affiliated to The University of Burdwan

Sripally * Purba Bardhaman

NAAC Accredited 'B+'

GREEN CAMPUS POLICY

Vivekananda Mahavidyalaya, Burdwan hereby declares that the college will follow following agenda to protect its environment by maintaining Green Campus initiatives:

- Regular Green audit
- Green Environment and Clean campus
- Landscaping with trees and plants
- Noise pollution management
- Air pollution management
- Paperless operating procedure
- Regular disposal of degradable and non-degradable waste.

All the stakeholders of the institutions are given strict instructions to follow certain rules and regulations to promote pollution free environment. Both NSS and NCC Units will conduct different programmes on regular basis to keep campus green and clean.

Science Laboratories are provided with dustbins to collect waste materials and later the same are disposed of through proper channel like E-waste Disposal Company (Vital waste). Our main concern is to keep college Eco-friendly and pollution free.

Sanitary Napkin disposal machines have been installed in the girls' common room to promote the best practice of the college to maintain pollution free campus.




Principal
Vivekananda Mahavidyalaya
Burdwan



Website : www.vmbdn.in

Email : vmprincipal2012@gmail.com

Phone No : 0342-2541208 (Day Office), 2541521 (Morning Office)

VIVEKANANDA MAHAVIDYALAYA, BURDWAN

(GOVT. SPONSORED) □ ESTD-1964

P.O- Sripally ★ Dist- Burdwan ★ Pin-713103 ★ W.B

NAAC Re-Accredited (B+) with PG in Chemistry

No...../V.M.

Date :

From : The Principal & Secretary

Circular

With a concern over climate change, pollution and congestion, there is a dire need to implement the policies to promote cycling. Bicycles are considered as one of the ecofriendly means of transport as they don't cause pollution. In order to reduce the dependency on motorized vehicles and reduce the pollution, all the students and staff members are hereby informed to use the BICYCLES as a primary mode of transport in the college campus.

Principal

Vivekananda Mahavidyalaya, Burdwan

Principal
Vivekananda Mahavidyalaya
Burdwan





Website : www.vmbdn.in

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VIVEKANANDA MAHAVIDYALAYA, BURDWAN

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P.O- Sripally ★ Dist- Burdwan ★ Pin-713103 ★ W.B

NAAC Re-Accredited (B+) with PG in Chemistry

No...../V.M.

Date :

From : The Principal & Secretary

DECLARATION

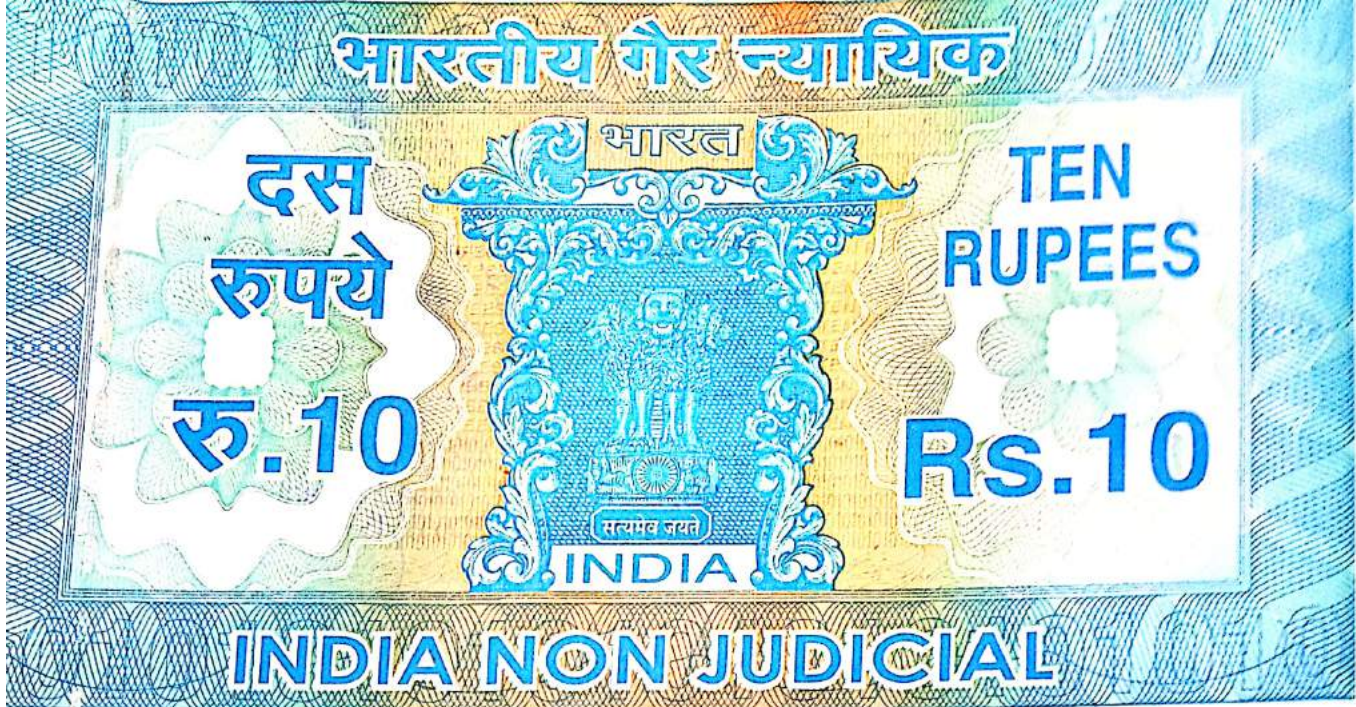
I hereby declare that a MOU has been signed with following E-Waste Company to collect E-waste product from the departments in order to turn the college into a e-waste free zone.

SL NO	MOU SIGNED WITH	VALIDITY OF AGREEMENT
1.	REDIVIVUS RECYCLES PRIVATE LIMITED	18.11.2021 TO 17.11.2026


Coordinator, IQAC
Vivekananda Mahavidyalaya
Burdwan
IQAC
Coordinator


Principal
Vivekananda Mahavidyalaya
Burdwan
Principal





पश्चिमबङ्ग पश्चिम बंगाल WEST BENGAL

48AB 487044

Memorandum of Understanding

MOU Number: VW/2021-2026/MOU/0028

This Memorandum of Understanding (hereinafter called as "MOU") is made and executed at Burdwan on this 18th day of November 2021 by and between;

M/s Vivekananda Mahavidyalaya, Burdwan having its registered office at Post- Sripally, Vivekananda College Road, Purba Bardhaman, Pin- 713103 ,West Bengal, acting through its Authorized Signatory Dr. Sibaprasad Rudra and Dr. Animesh Debnath (hereinafter referred to as 'The CLIENT', which expression unless repugnant to the context or subject shall mean and include its successors, representatives, assigns, administrators and executors) of the party of **FIRST PART**.

Dr. Animesh Debnath
18/11/2021
Principal
Vivekananda Mahavidyalaya
Burdwan

REDIVIVUS RECYCLERS PVT. LTD.

Pranav Lal
Director

AND

M/s. Redivivus Recyclers Private Limited, a CLIENT incorporated under the provisions of Companies Act, 1956 having its registered office at 10/2A, Alipore Park Place, Kolkata - 700027 and Operation office at 54/7B, D.C Dey Road, Kolkata - 700015 acting through its Authorized Signatory Mr. Pranov Goel duly Authorized by board (hereinafter referred to as 'Vital Waste', which expression unless repugnant to the context or subject shall mean and include its successors, representatives, assigns, administrators and executors) of the party of SECOND PART.

The expressions "The CLIENT" and "Vital Waste" are hereinafter collectively referred to the 'Parties' and individually as the 'Party'.

WHEREAS

- A. Vital Waste is engaged in providing Recycling and Waste Management services in India.
- B. Vital Waste approached The CLIENT to provide recycling and allied waste management services for its premises in Burdwan , W.B. and The CLIENT agreed to appoint Vital Waste for providing the aforementioned services on the following terms and conditions as set herein.
- C. The validity of the agreement is five years from the date of agreement.

NOW THE PARTIES MENTIONED HEREIN HAVE WITNESSETH AND HEREBY DECLARE, UNDERTAKE AND AGREE AS UNDER:

ARTICLE-1

DEFINITIONS

- (i) Unless otherwise clearly required by the context, the following terms shall have the respective meanings as defined below:

18/11/21
Principal
Vivekananda Mahavidyalaya
Burdwan

REDIVIVUS RECYCLERS PVT. LTD.
Pranov Goel
Director

- a. "Collection Staff" shall mean employees/staff of Vital Waste responsible for packaging and collection of Recyclables and other waste
- b. "Main Storage Location" shall mean storage location where all the Dry Recyclables and other waste will be stored for collection and this location should be accessible to collection vehicle of Vital Waste.
- c. "Collection Site" shall be at Post- Sripally, Vivekananda College Road, Purba Bardhaman, West Bengal 713103

ARTICLE-2

APPOINTMENT OF VITAL WASTE

- (i) **The CLIENT** hereby appointed Vital Waste to provide the recycling and allied waste management services for its **Collection Site**.
- (ii) Vital Waste will collect the dry recyclables and other waste from the premises of **The CLIENT** as per the terms and conditions mentioned in this MOU.

ARTICLE-3

WASTE MANAGMENT PROGRAMME

- (i) **The CLIENT** will collect all the Dry Recyclables and other waste from the main storage location.
- (ii) The representative of **The CLIENT** shall intimate to Vital Waste to collect Recyclables and other waste. Minimum collection quantity being 100 kgs.
- (iii) After expiry of first 1 (one) month from the date of first collection, Vital Waste will decide the collection frequency of future collections with mutual discussion with **The CLIENT**.

18/11/21
Principal
Vivekananda Mahavidyalaya
Suidwan

REDIVIVUS RECYCLERS PVT. LTD.
Brown Jeth
Director

- (iv) After finalization of the collection frequency, Collection Staff of Vital Waste will call the **The CLIENT** and check the collection requirement of Recyclables and other waste.
- (v) Collection Staff of Vital Waste will collect the Recyclables and other waste from the premises of **The CLIENT** after getting the collection requirement from the office of **The CLIENT** on next day or within 3 working days from the receipt of collection request from the office of **The CLIENT**.
- (vi) The housekeeping staff of **The CLIENT** will assist the Collection Staff of Vital Waste for collections of Recyclables and other waste if required.
- (vii) Collection Staff of Vital Waste will be equipped with the weighing machines to perform the measurement of Recyclables and other waste in the presence of representative of **The CLIENT**.
- (viii) Collection summary will be given to **The CLIENT** upon collection either in physical or electronic form.
- (ix) MOU charge with Vital Waste will be **Rs 5000/-** (Five thousand only) One time and the client has to pay Vital Waste **Rs. 3000/-** (Three thousand only) as pick-up charges.

ARTICLE-4

EARNINGS, INVOICING AND PAYMENTS

- (i) All Recyclables and other waste so collected from The CLIENT shall be divided into various Categories in


Principal
Vivekananda Mahavidyalaya
Baidwan

REDIVIVUS RECYCLERS PVT. LTD.


Director

accordance with the 'Pricing Annexure' as is provided in ANNEXURE 1.

- (ii) Vital Waste shall determine category-wise quantity of Recyclables collected from The CLIENT. Such figures of the quantity of each category of Recyclables so collected from The CLIENT shall be represented in the collection summary.
- (iii) For Recyclables and Waste Collected having positive value as per ANNEXURE 1:
- The CLIENT shall issue a sales invoice for such material to Vital Waste with the applicable rate of taxes, if the CLIENT is registered under GST; or
 - The CLIENT shall issue a collections receipt / Gate pass based for such material to Vital Waste, if the CLIENT is not registered under GST; or
 - The CLIENT may purchase such different types of recycled merchandise sold by Vital Waste.
- (iv) For Waste Collected having negative value as per ANNEXURE 1; Vital Waste shall issue an invoice to the CLIENT with the applicable rate of taxes. The CLIENT shall release payment against all such invoices within 45 days from the date of invoice.

ARTICLE-5

MISCELLANEOUS

- (i) This MOU, its existence and all information exchanged between the Parties under this MOU shall not be disclosed to any Person by any Party. Each Party shall hold in strictest confidence, shall not use or disclose to any third party, and shall take all necessary precautions to secure any Confidential Information of the other Party. Disclosure of such information shall be restricted solely

Done & 18/11/21
Principal
Vivekananda Mahavidyalaya
Burdwan

REDIVIVUS RECYCLERS PVT. LTD.

Bruno Lal
Director



to employees, agents, consultants and representatives who have been advised of their obligation with respect to Confidential Information. The obligations of confidentiality do not extend to information which:

- a. is disclosed to employees, legal advisors, auditors and other consultants of a Party provided such persons have entered into confidentiality obligations similar to those set forth herein; or
 - b. is disclosed with the consent of the Party who supplied the information; or
 - c. is, at the date of this MOU is entered into, lawfully in the possession of the recipient of the information through sources other than the Party who supplied the information; or
 - d. is required to be disclosed pursuant to applicable law or is appropriate in connection with any necessary or desirable intimation to the Government of India; or
 - e. is generally and publicly available, other than as a result of breach of confidentiality by the Person receiving the information.
- (ii) The Parties acknowledge and agree that this MOU is effective as of date of execution of this MOU and shall be valid from the effective Date until terminated by any of the party by giving 30 days written notice to other party.
- (iii) The parties hereto agree that, in the event that either of them suffers any harm of any description whatsoever, including losses, costs, damages, advocates or other consultant's fees and expenses or other expenses of any nature whatsoever, resulting from any inaccuracy in any of the respective representations and warranties of the either party, as set forth in this MOU, the party hereto whose representation and warranty is false or inaccurate shall immediately and fully, protect, hold harmless, and


Principal
Vivekananda Mahavidyalaya
Suidwan
18/11/21

REDIVIVUS RECYCLERS PVT. LTD.

Director

indemnify the other party hereto. The indemnification contained in this Article shall not in any way relieve either party hereto from any indemnification provided to any of the other party hereto pursuant to any other agreement between such parties.

- (iv) Any notice required or permitted to be given hereunder shall be in writing and shall be effectively served (i) if delivered personally, upon receipt by the other Party; (ii) if sent by prepaid courier service, airmail or registered mail, within five (5) days of being sent; or (iii) if sent by facsimile or other similar means of electronic communication (with confirmed receipt), upon receipt of transmission notice by the sender. Any notice required or permitted to be given hereunder shall be addressed to the address as given in the title to this Agreement.
- (v) This MOU shall be governed and interpreted by, and construed in accordance with the laws of India. Courts at Burdwan and Kolkata shall have jurisdiction to decide all matters arising out of this agreement and/or directly / impliedly concerning this MOU.
- (vi) That at all times during the currency of this MOU as the case may be, the Parties shall use their best efforts to resolve by mutual agreement any dispute or difference arising between the Parties as to their respective rights, duties and obligations there under or as to any matter arising out of or in connection with the subject matter of this MOU or as to the meaning or construction of thereof ("Dispute"). If the Parties are unable to resolve any Dispute by negotiation within 30 days, either Party may propose to the other in writing that the Dispute should be referred to a sole arbitrator appointed by mutual consent of both the Parties for adjudication of such dispute. If the Parties are unable to agree on a sole arbitrator within


18/11/21
Principal
Vivekananda Mahavidyalaya
Burdwan

REDIVIVUS RECYCLERS PVT. LTD.

Director

fifteen (15) days of the proposal in writing by any Party to refer the Dispute for adjudication by arbitration, each Party shall name and appoint one arbitrator of its choice within thirty (30) days thereafter. The two arbitrators so appointed shall by mutual consent appoint a third arbitrator within fifteen (15) days thereafter, who shall act as the presiding arbitrator. The arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996. The language of arbitration shall be English and the venue of arbitration shall be either Burdwan or Kolkata. The decision of the arbitrator/ arbitral tribunal shall be final and binding on the Parties.

- (vii) Nothing contained in this clause shall prevent the Parties from approaching a court of competent jurisdiction to obtain an interim injunctive relief, irrespective of whether the subject matter of dispute is under negotiation or pending arbitration.
- (viii) Nothing contained in this MOU shall constitute or be deemed to constitute a partnership between the Parties, and no Party shall hold himself out as an agent for the other Party, except with the express prior written consent of the other Party.
- (ix) This MOU may be executed in two counterparts, both of which taken together shall constitute one and the same agreement, and either Party may enter into this MOU by executing a counterpart.
- (x) No waiver of any breach of any provision of this MOU shall constitute a waiver of any prior, concurrent or subsequent breach of the same of any other provisions hereof, and no waiver shall be effective unless made in writing and signed by an authorized representative of the waiving Party.

REDIVIVUS RECYCLERS PVT. LTD.

Pranav Lal
Director

omg
18/11/21
Principal
Vivekananda Mahavidyalaya
Burdwan

(xi) If any provision of this MOU is invalid, unenforceable or prohibited by law, this MOU shall be considered divisible as to such provision and such provision shall be inoperative and shall not be part of the consideration moving from any Party hereto to the others, and the remainder of this MOU shall be valid, binding and of like effect as though such provision was not included herein.

IN WITNESS WHEREOF the Parties hereto have executed this MOU the day and year first herein above written.

Signed and delivered for and on behalf of:

.....
(Vivekananda Mahavidyalaya, Burdwan) (Vivekananda Mahavidyalaya, Burdwan)
IQAC Coordinator Principal
Dr Animesh Debnath Dr Sibaprasad Rudra
Co-ordinator IQAC Principal
Vivekananda Mahavidyalaya Vivekananda Mahavidyalaya
Purba Bardhaman Burdwan

REDIVIVUS RECYCLERS PVT. LTD.

.....
Director

(VITAL WASTE)

Mr. Pranov Goel

WITNESS:

Prasantu Mallik
Assistant Professor
of
Botany

ANNEXURE - 1
PRICING ANNEXURE

ITEM NAME	RATE IN INR/KG
METAL	25
PAPER	10
LOW GRADE PAPER	1
E-WASTE	15
LOW GRADE E-WASTE	-10
PLASTIC	10
HAZARDOUS WASTE	-75

[Handwritten Signature]
18/11/21

Principal
Vivekananda Mahavidyalaya
Burdwan

REDIVIVUS RECYCLERS PVT. LTD.

[Handwritten Signature]
Director

Invoice No # VW/2024-2025/006
Invoice Date Apr 06, 2024
Due Date Apr 12, 2024

Billed By

Redivivus Recyclers Private Limited
13/0A ALIPORE PARK PLACE,
KOLKATA,
West Bengal, India - 700027
GSTIN: 19AAHCR7603N1Z1
PAN: AAHCR7603N
Email: info@vitalwaste.com
Phone: +91 98744 51121

Billed To

VIVEKANANDA MAHAVIDYALAYA, BURDWAN
POST-SRIFALLY, VIVEKANANDA COLLEGE ROAD, PURBA
BARDHAMAN,
Burdwan,
West Bengal, India - 713103
GSTIN: 19AAAALV0764G101
PAN: AAAALV0764G

Item	GST Rate	Quantity	Rate	Amount	CGST	SGST	Total
1. SOLID WASTE MANAGEMENT (HSN/SAC 9994)	18%	1	₹6,779.66	₹6,779.66	₹610.17	₹610.17	₹8,000

SERVICE CHARGES

Bank Details

Account Name Redivivus Recyclers PVT LTD
Account Number 001763300009239
IFSC YES00000017
Account Type Current
Bank Yes Bank Limited

Amount	₹6,779.66
SGST	₹610.17
CGST	₹610.17
Total (INR)	₹8,000

Received
07/04/24
Tehsildar-In-Charge
Vivekananda Mahavidyalaya
BURDWAN
Co-ordinator, I&C
Vivekananda Mahavidyalaya
Burdwan



WASTE AUDIT REPORT

REPORT NUMBER: VW/2021-2022/AR/0029

PREPARED FOR

Vivekananda Mahavidyalaya,
Burdwan



PERIOD

1/1/2021

TO

12/31/2021

OVERVIEW

Vital Waste has been appointed to conduct waste management of various types of solid waste at your premises. A Waste Audit Report has been prepared as per the waste collection done.

PURPOSE

The purpose of the audit was to identify, quantify and analyses the composition of the waste stream generated by the collective functional areas within the Premises.

SUMMARY

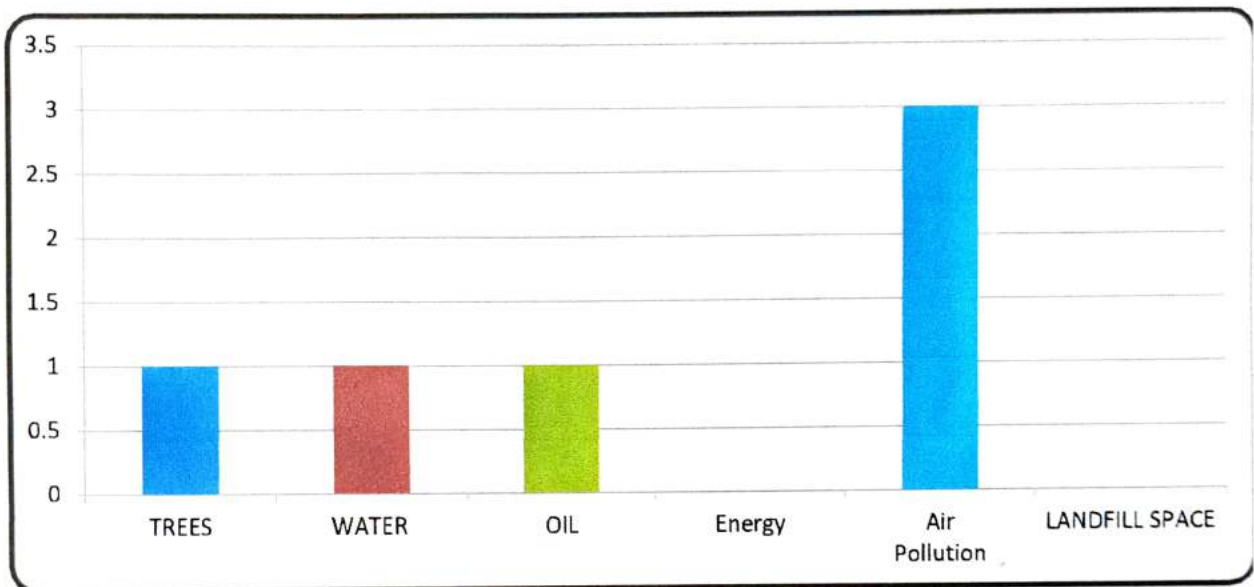
The total amount of solid, non-hazardous waste generated is estimated to be as below:-

1. PAPER	45 KGS
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Enclosure - Graphical Representation of Environmental Impact through Recycling.

Environment Saving through Recycling of PAPER

TREES	WATER	OIL	Energy	Air Pollution	LANDFILL SPACE
MATURE TREES	IN '000 LITERS	IN '000 LITERS	(MWH)	(Pounds)	(CUBIC METERS)
1	1	1	0	3	0



We thank you for giving us the opportunity to help you Reduce, Reuse and Recycle materials from your existing waste stream and provide you a foundation for a Waste Reduction Work Plan.

*Environmental Saving projections are made in accordance with the collection data available and are indicative figures only



WASTE AUDIT REPORT

REPORT NUMBER: VW/2022-2023/AR/0032

PREPARED FOR

Vivekananda Mahavidyalaya,
Burdwan



PERIOD

1/1/2022
TO
12/31/2022

OVERVIEW

Vital Waste has been appointed to conduct waste management of various types of solid waste at your premises. A Waste Audit Report has been prepared as per the waste collection done.

PURPOSE

The purpose of the audit was to identify, quantify and analyses the composition of the waste stream generated by the collective functional areas within the Premises.

SUMMARY

The total amount of solid, non-hazardous waste generated is estimated to be as below:-

1. E-WASTE	57 KGS
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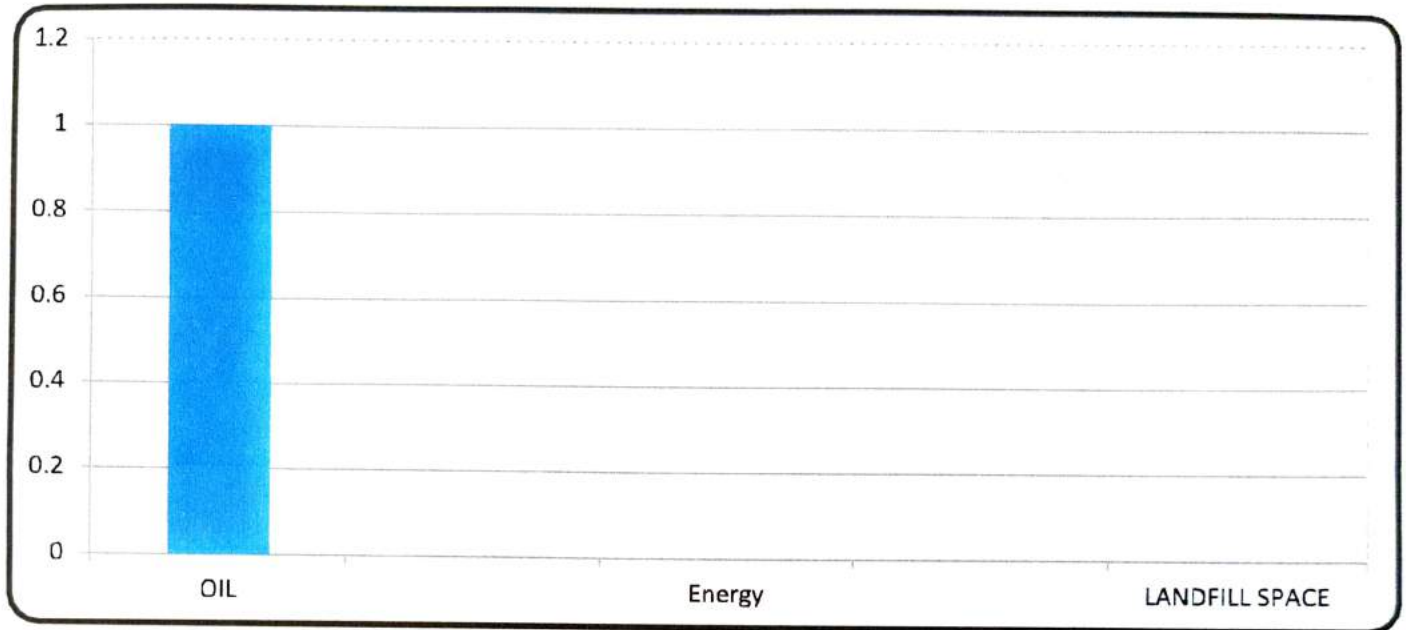
Enclosure - Graphical Representation of Environmental Impact through Recycling.

Environment Saving through Recycling of E-WASTE

OIL
IN '0000 LITERS
1

Energy
(MWH)
0

LANDFILL SPACE
(CUBIC METERS)
0



We thank you for giving us the opportunity to help you Reduce, Reuse and Recycle materials from your existing waste stream and provide you a foundation for a Waste Reduction Work Plan.

*Environmental Saving projections are made in accordance with the collection data available and are indicative figures only

WASTE AUDIT REPORT

REPORT NUMBER: VW/2023-2024/AR/0019

PREPARED FOR

Vivekananda Mahavidyalaya,
Burdwan



PERIOD

1/1/2024

TO

12/31/2024

OVERVIEW

Vital Waste has been appointed to conduct waste management of various types of solid waste at your premises. A Waste Audit Report has been prepared as per the waste collection done.

PURPOSE

The purpose of the audit was to identify, quantify and analyses the composition of the waste stream generated by the collective functional areas within the Premises.

SUMMARY

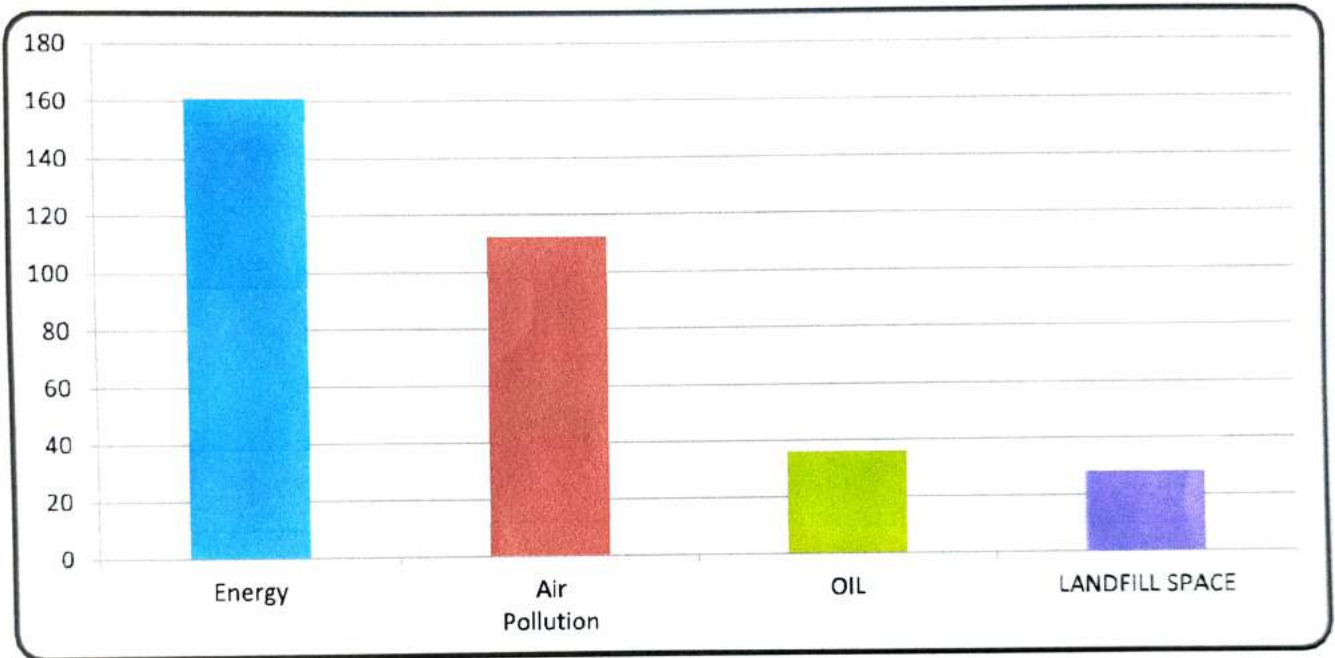
The total amount of solid, non-hazardous waste generated is estimated to be as below:-

1. PLASTIC	28000 GRAMS
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Enclosure - Graphical Representation of Environmental Impact through Recycling.

Environment Saving through Recycling of PLASTIC

Energy (KWH)	Air Pollution (in '000 Grams)	OIL IN '00 MILI LITERS	LANDFILL SPACE (Centimeter Cube)
161	112	36	28



We thank you for giving us the opportunity to help you Reduce, Reuse and Recycle materials from your existing waste stream and provide you a foundation for a Waste Reduction Work Plan.

*Environmental Saving projections are made in accordance with the collection data available and are indicative figures only



Vivekananda Mahavidyalaya

বিবেকানন্দ মহাবিদ্যালয়

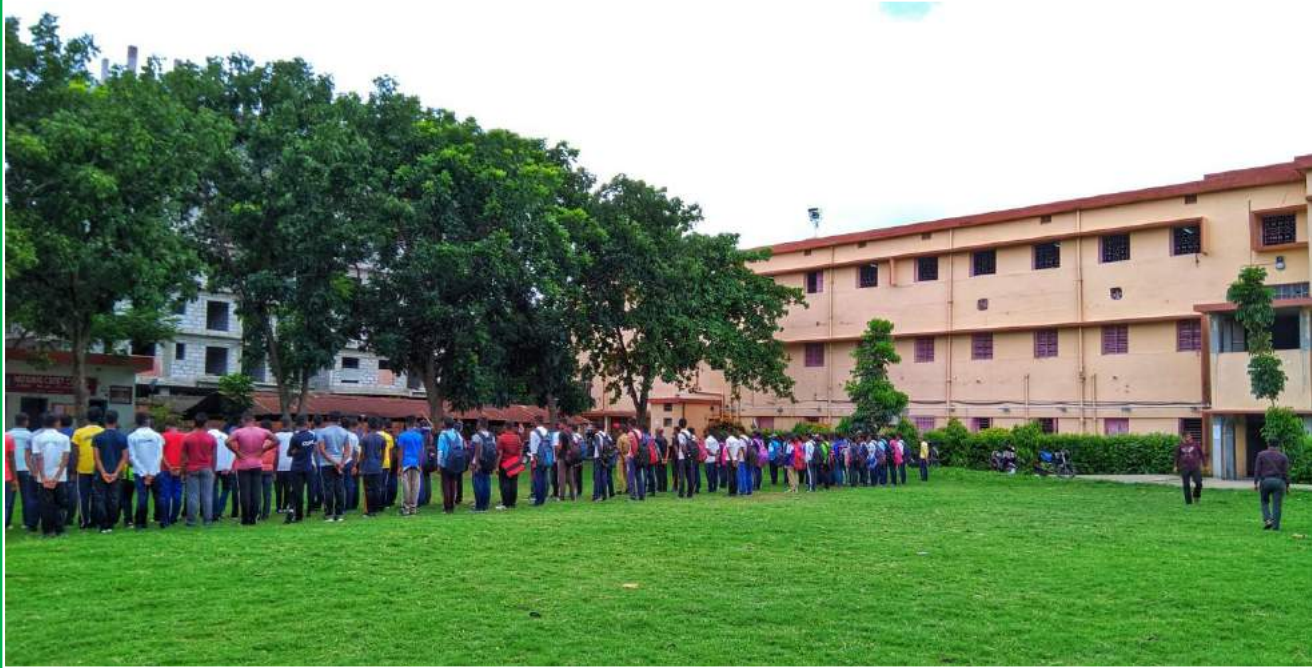
Affiliated to The University of Burdwan

Sripally * Purba Bardhaman

NAAC Accredited 'B+'

2022-2023

GREEN AND ENERGY AUDIT REPORT



VIVEKANANDA

MAHAVIDYALAYA, BURDWAN

2022-2023

VIVEKANANDA MAHAVIDYALAYA
BURDWAN, PURBA BARDHAMAN
ESTD. 1964

**ENVIRONMENTAL AUDIT/
GREEN AUDIT REPORT**
ACADEMIC YEAR: 2022- '23

Prepared by
The Audit Committee
The University of Burdwan
Burdwan

Date: 13/04/2024

To
The Teacher-in-Charge
Vivekananda Mahavidyalaya, Burdwan
Sripally
Purba Bardhaman
West Bengal

Website: www.vmbdn.in
E-mail: vmprincipal2012@gmail.com


Subject: Environmental Audit Report Submission from Experts

Sir


After verification of all the aspects in the College and necessary assessment of the report on "Environmental/Green Audit" mentioning the "Energy Monitoring & Management System" submitted by your College for the period of 2022-'23, here, we are submitting the Audit Report of "Environmental/Green Audit" of your College of the period of 2022-'23 for your kind perusal in the attached sheet.

We request you to please acknowledge and oblige.


Yours sincerely,


Dr. Tanmoy Dasgupta
Professor & Head
Deptt. of Business Administration
The University of Burdwan
Burdwan

Dr. Tanmoy Dasgupta
Professor
Dept. Of Business Administration
The University of Burdwan
Burdwan - 713104, W.B.


Dr. Apurba Ratan Ghosh
Professor & Head
Deptt. of Environmental Science
The University of Burdwan
Burdwan

Professor & Head
Deptt. Environmental Sc.
The University of Burdwan
Burdwan, W.B.


Dr. Gouri Sankar Bandyopadhyay
Principal
Syamsundar College
Shyamsundar
Purba Bardhaman

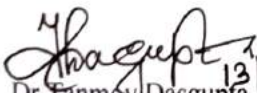
Dr. Gouri Sankar Bandyopadhyay
Principal
Syamsundar College
P.O.-Shyamsundar, Dist.-Purba Bardhaman
W.B. 713424

Date: 13/04/2024


**AUDIT REPORT ON ENVIRONMENTAL AUDIT/
GREEN AUDIT**

CERTIFICATE

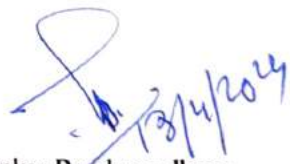
This is to certify that the Environmental Audit/Green Audit Report and Energy Monitoring & Management System followed at Vivekananda Mahavidyalaya, Burdwan, Sripally Purba Bardhaman, West Bengal is based on the original data collected during the period of 2022-'23. This has been assessed and is applicable to provide quality ambience for continued Higher Education, Training and Mental health to the students for their smart future and career. Further, it is certified that the baseline data was prepared by internal "Waste Management & Green Audit Committee" team members of Vivekananda Mahavidyalaya, Burdwan Sripally and submitted to us. The content of the baseline data of the study and Energy Monitoring & Management System has been personally verified by the Expert Team constituted by the University of Burdwan, Burdwan for validity and reliability. The data used in the study are original in nature and have not been presented or published elsewhere. Data & Photographs used in the report are taken by the College Environmental Committee team members during preparing their Report of the concerned year 2022 - '23.


13/04/24
Dr. Tanmoy Dasgupta
Professor & Head
Deptt. of Business Administration
The University of Burdwan
Burdwan

Dr. Tanmoy Dasgupta
Professor
Dept. Of Business Administration
The University of Burdwan
Burdwan - 713104, W.B.


13/4/24
Dr. Apurba Ratan Ghosh
Professor & Head
Deptt. of Environmental Science
The University of Burdwan
Burdwan

Professor & Head
Deptt. Enviornmental Sc.
The University of Burdwan
Burdwan, W.B.


13/4/2024
Dr. Gouri Sankar Bandyopadhyay
Principal
Syamsundar College
Shyamsundar
PurbaBardhaman
Dr. Gouri Sankar Bandyopadhyay
Principal
Syamsundar College
P.O.-Shyamsundar, Dist.-Purba Bardhaman
W.B. 713424

Report of Environmental Audit/Green Audit

1.0 Introduction

The Environmental Audit or Green Audit is a systematic identification, quantification, recording, reporting and analysis of the different components of environmental diversity. The 'Environmental Audit'/'Green Audit' aims to assess the various parameters involved in environmental practices in and around the HE Institutional campus, actually, it means to impress the congenial and environment-friendly atmosphere for the all stakeholders. It is formulated with an objective of looking after the practices performed by the authority within the institution, otherwise which may cause risk to the health of dwellers and the environment. Under the present format of AQAR and SSR Environmental Audit/Green audit is a mandatory parameter as per requirement of National Assessment and Accreditation Council (NAAC) which is a self-governing organization of India which declares the Institutional Grade.

2.0 Executive Summary

Environmental/Green Audit is performed in accordance with the "Format of Green Audit: Questionnaire" of Vivekananda Mahavidyalaya, Sripally, Purba Bardhaman, West Bengal for the period of 2022-'23. Vivekananda Mahavidyalaya was established on 1964 and is affiliated to the University of Burdwan. The sincere and untiring efforts of distinguished personality namely Mr. K.P.S. Menon, Chairman of Zila Parishad, Mr. Narayan Chowdhury and many other distinguished personalities was formally inaugurated on 26th of August, 1964. Then it has received a status of full-fledged undergraduate College and came under the purview of 2(f) and 12 (B) as per UGC Act, 1956. The College was first accredited by NAAC in 2004 with B+, Second Cycle in 2016 with B+ Grade and now is preparing for the Third Cycle.

College endorses a sprawling and eco-friendly campus occupying. Presently, there are 16 honours subjects. College has two Girls' Hostels and one general Canteen.

Now, the College is maintaining its academic and administrative excellence, and has been continuously upgrading the curricula and infrastructure in order to improve the quality of education. Through its distinctiveness as an academic institution over a long period of time, the authorities of the College believes in continuous improvement.

This audit is performed on 13th of April, 2024. The purpose of the audit was to ensure that the green practices followed in the campus are in accordance with the Green Policy & Management practices 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.

The analysis was based upon a physical examination of the different sectors including labs *etc.*, and standards that govern the environmental sustainability, on data analysis, and on the results of preliminary interviews with personnel considered key in the environmental management in the campus.

The methodology used included the physical inspection of the campus, review of the relevant documentation and interviews.

3.0 Observations

a. General

The College possesses a total campus area of 7.46 acres; built up area of 3.56 acres maintaining an open space of about 3.9 acres and green area of 0.151 acres.

1. College has taken some efforts for sustainable development in the College campus and to maintain greenery.
2. College is requested to continue the existing 'Green Policy' to supervise different green initiatives beneficial for the stakeholders.
3. College is required to establish Eco Club in collaboration with College Environmental Committee for better functioning.
4. Some of the best practices such as maintaining tree plantation, introducing plastic free zone, and celebration of World Environment Day, World Water Day are followed in the campus.
5. The institution has installed solar panels in the college campus in the year 2022.
6. The Govt. of West Bengal has sanctioned Solar Panel with a capacity of 10 KVA to our college.
7. College has two dumping pits. Disposal of all degradable organic wastes is followed through its own system; vermicomposting system is in process.
8. College has conducted Environmental Awareness programmes for faculty and students, and involved the students in maintaining the cleanliness of the campus.
9. College maintains the ecological balance in the campus through maintaining gardens in different places for beautification, maintaining medicinal gardens, etc.
10. NSS participates in various activities such as *Swachh Bharat Mission*, Dengue Awareness etc.
11. Rainwater is collected and is used for groundwater recharging.
12. NSS units are actively engaged in different social activities.
13. College has the facility of fifteen (15) ABC Cylinders and six (06) Carbon-di-oxide (CO₂) fire extinguishers.
14. E-waste are regularly disposed off through proper/authorized License holder party (Vital Waste)

b. Suggestions

1. College should follow the composition of College Environmental Committee, where Teacher-in-Charge/Principal will act as Chairman and inclusion of student members from SEM I, III & V.
2. College is requested to maintain the open space properly; cleanliness be maintained properly; and gardens at different locations through students of different departments.
3. Medicinal Garden should be enriched with more medicinal plants.
4. Butterfly Garden can be maintained as per available space.
5. Students should maintain the PBR through training, workshop *etc.*, every year with the help of Department of Botany; mapping of plants be done accordingly.
6. Increase the use of LED as much as practicable by replacing the tube light, etc.
7. Vermicomposting pit be prepared.

3.0 Statement of Assurance

This audit has been conducted in accordance with the report submitted by the College Environmental Committee. On the basis of the data and physical inspection audit procedure was 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 criteria.

GREEN AUDIT FRAMEWORK ANALYSIS

5.0 Audit Framework and detailed findings

The following audit framework is used for conducting Green Audit during the period of 2022-'23. The framework also lists the findings and observations for every criterion.

Control objectives	Control(s)	Audit Observations
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	Reduce the absolute amount of waste that it produces from the Institute & Staff offices.	The College has used some control measures to reduce the absolute amount of waste that it produces from the departments, staff offices, inside Campus, etc. <i>Segregation method to be followed for disposing.</i>
	Make full use of all recycling facilities provided by City Municipality and private suppliers, including glass, cans, white, coloured and brown paper, plastic bottles, batteries, print cartridges, cardboard and furniture.	College is managing its all wastes through its own system. <i>Formal Agreement/MoU has already been signed with Local Municipality and Authorized License Holder Party.</i>
	Compost, or cause to be composted, all organic waste, green waste and un-recycled cardboard produced in or collected from kitchens, gardens, offices and rooms.	The College uses different bins for disposal of different types of wastes. <i>Food-wastes from 2 Hostels & canteens and the fallen dead leaves from the garden be managed in the composting/cistern pit properly.</i>
	Recycle or safely dispose of white goods, computers and electrical appliances.	<i>Safe disposal methods have already been adopted for electrical wastes, printer cartridges, etc., through environment friendly methods by Authorized License Holder Party.</i>
	Use reusable resources and containers and avoid unnecessary packaging where possible	<i>College has to take some initiatives for solid waste management and reusable resources and containers and unnecessary packaging where possible.</i>
	Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated	The College has limited scope of accessible and well-publicized collection points for recyclable waste.
Minimize the quantity of wastes during special events/ occasions	Make specific arrangements for events, such as cultural Events, internal and external seminars and conferences, where significant recyclable waste is likely to be produced, in order to both minimize the waste produced and maximize what is recycled/reused	Amount of wastes generated during special events or occasions, such as Cultural Events, International and National seminars and Conferences, etc., be disposed through Local Municipality.

Control objectives	Control(s)	Audit Observations
	Promote reuse of items and waste recycling among staff, students and conference guests through training, posters and incentives	The College has limited scope of reuse of items and waste recycling among staff, students and conference guests through some incentives.
	Dispose all waste, whether solid or otherwise, in a scientific manner and ensure that it is not released directly to the environment	Yes, the College disposes all wastes, whether solid, liquid or otherwise, through its own collection system and ensures that it is not released directly to the environment.
Reduce energy consumption, especially of energy derived from fossil fuels	Support renewable and carbon-neutral electricity options on any energy-purchasing consortium, with the aim of supplying all college properties with electricity that can be attributed to renewable and carbon-neutral sources.	College follows paper-less communications through using digital media like Website notice, Whatsapp, generate e-notice for academic/administrative purposes.
	Appreciate that it is preferable to purchase electricity from a company that invests in new sources of renewable and carbon-neutral electricity	<i>College is required to install new sources of renewable and carbon-neutral electricity like solar street lamps.</i>
	Look into the possibility of on-site micro-generation of renewable electricity.	The institution has installed solar panels in the college campus in the year 2022.
	Give preference to the most energy efficient and environmentally sound appliances available, this includes only using energy-saving light bulbs	The College is using LED as much as possible.
Effective energy consumption and management practices	Encourage staff, students and conference guests to save energy through visible reminders, incentives and information to increase awareness. This particularly concerns turning off electrical appliances when not in use in both communal and residential rooms	College has a mechanism to reduce the misuse of electricity by turning off the appliances when not required. <i>All the stakeholders are to be aware and doing their best and practices to save electricity.</i>
	Ensure that all electronic and electrical equipment's, such as computers, are switched off when not in use, and is generally configured in power saving mode when such option is available	Students and all the members are used to follow this practice.
	Ensure that the equipment's running on standby mode, reduce the energy consumption on standby mode or minimize the running of equipment's on standby mode	Maintaining energy saving mechanism for most of the instruments; some of the equipment's are running on standby mode.

Control objectives	Control(s)	Audit Observations
	Purchase efficient and environmentally sound appliances and consider replacing old stock with 'greener', more efficient alternatives.	Presently, College is using environmental-friendly appliances as much as possible and taking initiative to replace the tube lights with LEDs, etc., as effective alternatives.
Minimize the use of unsustainable transport	Make available information about bicycle and pedestrian routes, public transport services and car share schemes to staff and students.	The College is well connected through rail, bus services; usually, most of them avail rail and bus services.
	Reduce the proportion of travel on the University/Institute business carried out in private transport and eliminate unnecessary and inefficient use of the University/Institute vehicles	College does not have any common bus services to all stakeholders. College has two cycle stands for students as well as two for staff members.
	Promote car sharing / car pool among the students and faculty members	No, the College does not promote car sharing/car pool among the students and faculty members.
Minimize consumption of water	Repair sources of water leakage, such as dripping taps and showers as quickly as possible.	Regular checking and maintenance of pipelines are done to control the water wastage through dedicated personnel.
	Install appliances which reduce water consumption	Practised as much as possible.
	Encourage a decrease in water usage among staff, students and conference guests	All the stakeholders of the College are encouraged in judicious use of water.
	Use an efficient and hygienic water storage mechanism is to minimize the loss of water during storage	College is taking some steps to aware about use of hygienic water, proper storage of water. <i>Sensor-based system be introduced to minimize the loss of water during storage.</i>
	Minimize wastage of water and use of electricity during water filtration process, if used, such as RO filtration process and ensure that the equipment's used for such usage, are regularly serviced, and the wastage of water is not below the industry average for such equipment's used in similar capacity	Inside the Campus building, there are existing 11 Aqua guards and they are installed in the strategic location for the students and other members.
	Install Water recycling mechanism, such as rain water harvesting system	Rainwater is used for groundwater recharging. <i>Rainwater conservation be developed through open well-recharge system for the purpose of groundwater recharge.</i>

Control objectives	Control(s)	Audit Observations
Minimize the risk of environmental health	Ensure that all cleaning products used by the University/Institute staff have a minimal detrimental impact on the environment, i.e., are biodegradable and non-toxic, even where this exceeds the Control of Substances Hazardous to Health (COSHH) regulations	Negligible amount of cleaning/washing liquids are used in the College. <i>College may maintain 'Green Budget' for the said purposes.</i>
	Minimize the use of fertilizers and pesticides in the University/Institutional gardens, opting for the use of compost produced on site wherever possible	College uses mostly organic fertilizers for maintenance of gardens, infected plants as and when required basis.
	Dispose the chemical waste generated from the laboratories in a scientific manner	Disposal of solid wastes are managed. <i>Drainage of liquid wastes from Chemistry and other labs be managed properly.</i>
	Reduce the practice of burning plastic and other materials that emit the harmful gas on burning is prevented in the campus.	No such burning.
Maintenance of green campus	Ensure the green environment	College is positive about increasing greenery. Tree plantation programmes are followed in different occasions on year-wise.
	Establish a Garden in the campus	<i>Students should be trained to handle People Biodiversity Register.</i>
	Encourage the faculties and students to plant trees in the garden	College conducts tree plantation programmes through students and staff members on year-wise. <i>Choice-plantation, fruit-plantation like palm, dates etc., may be encouraged mostly considering the suitability of the region.</i>
	Reviews periodically the list of trees planted in the garden periodically	<i>Periodical maintenance of gardens/plants be followed through student members.</i>
Ensure that environmental awareness is created	Conduct environmental awareness workshops as a part of the program.	College celebrates World Environment Day and World Water Day
	Create awareness of environmental sustainability and takes actions to ensure environmental sustainability.	College conducts environmental awareness programmes to ensure environmental sustainability.
	Reduce the rate at which the University/Institute contributes to the depletion and degradation of natural resources	College is not directly or indirectly responsible in depletion and/or degradation of natural resources.

Control objectives x	Control(s)	Audit Observations
	Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service	Compulsory ENVS paper as per University guidelines for all the students of all streams are mandatory to have awareness on Environmental.
Ensure that the buildings conform to green standards	Review architecture of existing buildings and reviews ways, in consultation with experts, to reduce usage of energy for such buildings, offering greatest efficiency for energy and water usage, and reducing carbon emission	Presently, construction is underway under the supervision of RUSA Grants. Proposal for Boys' hostel has been sanctioned in GB. <i>In case of new constructions, green standards be followed in near future.</i>
Ensure that the Environmental Policy is enacted, enforced and reviewed	Establish the University/Institute Environmental Committee that will hold responsibility for the enactment, enforcement and review of the Environmental Policy. The Environmental Committee shall be the source of advice and guidance to staff and students on how to implement this Policy	College has College Environmental Committee and conducted so far two (02) meetings. NSS units are actively engaged for social works.
	Ensure that on the Nature Club/Environmental Committee there will be appropriate representatives of the relevant university departments and authorities – such as catering, gardening, maintenance, cleaning and finance	Waste Management and Green Audit Committee may constitute one Eco-Club for better functioning.
Ensure that the Environmental Policy is enacted, enforced and reviewed	Ensure that on the Environmental Committee there will be the Green Officer from an external agency who is engaged in the profession of providing guidance on environmental impact	College has Coordinator, but no Green Officer as such in the Environmental Committee.
	Ensure that the Environmental Committee will review the Environmental Policy on an annual basis, and will monitor progress and set measurable targets wherever possible	College campus is declared as 'Plastic Free Zone'.
	Ensure that the Environmental Policy is enforced regardless of whether its requirements exceed the mandate of the law	<i>Beautification and cleanliness be maintained inside the campus; the Green Policy of the College be reframed.</i>
	Require that every staff and student member recognizes their responsibility to ensure that the commitments in the Environmental Policy are properly put into practice	Members of the Waste Management and Green Audit Committee are actively engaged in maintaining green practices.
	Ensure that an audit is conducted annually and action is taken on the basis of audit report, recommendation and findings	First 'Green Audit' is conducted on April 13, 2024 and is based on the report of the year 2022-'23.

6.0 Recommendations

Considering the audit, following recommendations were made to the management.

Criteria	Recommendations
Publication of Audit Report	Resolutions of the "Waste Management and Green Audit Committee" along with audit report be published in the College website.
Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse	<ol style="list-style-type: none">1. The College should go for ISO 9001:2015 Certification.2. Composting system be developed for degradable/bio-wastes with proper usages.3. Vermicomposting should be prepared considering its vegetable wastes, food wastes from hostels for boys and girls and canteens.
Reduce energy consumption, especially of energy derived from fossil fuels,	<ol style="list-style-type: none">1. Use energy efficient lighting/solar light fully in and around the campus; Ecological street may be developed in and around the campus.2. Installation of number of control switch, MCB for monitoring of energy and sensor-based system for water consumption building wise/department wise be operated through the involvement of student members.
Maintenance of Campus and biodiversity	<ol style="list-style-type: none">1. PUC (Pollution under control) certificate for all the vehicles entering the campus to be made mandatory and to be checked by security.2. Students be aware importance of Medicinal Gardens and PBR for different locations. Proper training, workshop on maintenance of PBR for local villages and different locations as an outreach program be initiated.3. Choice-plantation, fruit-plantation, artificial nesting, etc., be followed to maintain attract birds and other animals within the campus.4. Butterfly Garden may be initiated.
Proper cleaning of water storage Tanks	<ol style="list-style-type: none">1. Proper cleaning of the water tanks for fruitful uses be followed; management of dead leaves, litters of trees inside the campus be taken care off on regular basis.2. Sensor-based system be maintained for checking of wastage of tank water.
Project-based learning on Environment related subjects	<ol style="list-style-type: none">1. Creation of opportunity to start with technical, skill-oriented and hands-on-training programmes for environmental monitoring.2. Certification/Recognition of the green campus may be obtained from appropriate authority.

7.0 Objectives and Scope

The purpose of this audit was to ensure that the Green Management Practices are followed and implemented in the campus, across all departments, administrative bodies and students.

8.0 Methodology

The methodology includes - preparation and filling up of questionnaire, screening of the report, physical interaction with the members in presence of Teacher-in-Charge and the Members of the Waste Management and Green Audit Committee as well as Members of IQAC, record checking and review of the submitted documentations, interviewing key persons and data analysis, measurements and recommendations. It works on the several aspects of 'Green Audit' including Water Conservation,

Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity.

a. In order to meet these objectives, this audit was based on report submitted by the College authority and reviewing of relevant documents as far as possible and interviews with authority, Coordinator and staff members physically.

b. Review of the Documentations

c. For the purpose of this audit the Green Policy of the institute was reviewed. Other relevant standards, Green audit framework *etc.*, was also considered.

Interviews

Interviews were conducted with the Teacher-in-Charge, IQAC Coordinator, Coordinator of "Waste Management & Green Audit Committee" and also members of the Committee.

Physical Inspection

Physical inspection was made on 13th of April 2024 and report was prepared based on the physical verification and validation and interaction with the members of the College.

9.0 Declaration

I agree with all the recommendation and observations mentioned in this report.

Date: 13/04/2024

Place: Vivekananda Mahavidyalaya, Burdwan
Sripally, Purba Bardhaman



Signed by
College Teacher-in-Charge/
Principal with Seal
Teacher-in-Charge
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Dated.....02.02.2022.....

TO WHOM IT MAY CONCERN

This is to Certify that Biodegradable and non-Biodegradable waste materials received from **Vivekananda Mahavidyalaya, Burdwan** during the period from 25th August, 2021 to 31st January 2022 has been disposed off as per environment friendly manner. We thank you for your effort in contributing towards a "Clean and Green Environment".

Alpana Halder
Vice-Chairperson 2/2/22
Burdwan Municipality
Burdwan



Dated 11.07.2024

TO WHOM IT MAY CONCERN

This is to Certify that Biodegradable and non-Biodegradable waste materials received from **Vivekananda Mahavidyalaya, Burdwan** during the period from 5th May, 2022 till date has been disposed off as per environment friendly manner. We thank you for your effort in contributing towards a "Clean and Green Environment".

Hiran Mondal
Councillor
Burdwan Municipality
11-7-24