

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

(A Govt. Aided General Degree College affiliated to Burdwan University and registered u/s 2(f) & 12(B) of UGC Act, 1956)
[Established in 2006 and Accredited 'B' by NAAC in 2016]

Vill-Madian, Mallarpur

PIN 731216, West Bengal

website- www.thlhmahavidyalay.ac.in



PO-Ganpur, Birbhum

Phone & Fax 03461-262175

email- tlmprincipal@gmail.com

Criterion 6 - Governance, Leadership and Management

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Green Policy



Sukhen Sengupta
Teacher-in-charge
THLH Mahavidyalay
Madian, Mallarpur, Ganpur
Birbhum, Pin- 731216, W.B.

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY GREEN POLICY

Submitted to

National Assessment and Accreditation Council

P O Box No. 1075, Nagarbhavi, Bangalore-560 072, India.



Prepared by

INTERNAL QUALITY ASSURANCE CELL (IQAC)

TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY

Madian, Mallarpur, PO - Ganpur, P S – Mayureswar, Dist- Birbhum
West Bengal, PIN- 731216

Website: www.thlmahavidyalay.ac.in



TURKU HANSDA LAPSA HEMRAM MAHAVIDYALAY GREEN POLICY

Colleges have broad impacts on the world around them, both negative and positive. The activities pursued by colleges can create a variety of adverse environmental impacts. But colleges are also in a unique position as educational institutions to be leaders in pursuing environmentally sustainable solutions. THLH Mahavidyalay expresses its commitment to sustainability in many ways. It has taken a number of positive steps to reduce its environmental impact. But many areas remain in which substantial improvements can be made. This report serves to highlight THLH Mahavidyalay many accomplishments, and to make recommendations for improving the College's environmental sustainability.

Turku Hansda Lapsa Hemram Mahavidyalay recognizes the need to function all year round in a manner which minimizes its harmful environmental impact.

Turku Hansda Lapsa Hemram Mahavidyalay Green Policy is based on three pillars.

Environmental sustainability: The Green Policy must ensure sustainability of the environment.

Economic viability: Economic viability options should be considered in the implementation of the Green Policy.

Social acceptance: Social acceptance is a key to the success of the Green Policy and therefore, the social context of the community, faculty and students must be taken into consideration in the Green Policy.

To this end Turku Hansda Lapsa Hemram Mahavidyalay will:

Maximize the proportion of waste that is recycled & minimize the quantity of non-recyclable refuse.

Our College therefore commits to:



Internal Quality Assurance Cell (IQAC)

2018-23

- ✓ Reduce the absolute amount of waste that it produces from college kitchens and staff offices
- ✓ Compost or cause to be composted, all organic waste
- ✓ Recycle or safely dispose of white goods, computers and electrical appliances.
- ✓ Use reusable resources and containers and avoid unnecessary packaging where possible.
- ✓ Always purchase recycled resources where these are both suitable and available.
- ✓ Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated.
- ✓ 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.
- ✓ Promote reuse of items and waste recycling among staff, students and conference guests through training, posters and incentives. Environmental Dispose all waste, whether solid or otherwise, in a scientific manner and ensure that it is not released directly to the environment.

Reduce energy consumption, especially of energy derived from fossil fuels, in all college property.

Our College therefore commits to:

- ✓ Give preference to the most energy efficient and environmentally sound appliances available, this includes only using energy-saving light bulbs.
- ✓ Provide energy efficient heating systems, with adjustable controls for individual heating appliances wherever possible, and ensure that comprehensible instructions are available to staff and students on the use of heating controls.



Internal Quality Assurance Cell (IQAC)

2018-23

- ✓ 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.
- ✓ Conduct switch off drills at regular intervals.
- ✓ Ensures that all electronic and electrical equipments, such as computers, are switched off when not in use, and is generally configured in power saving mode when such option is available

3. Ensure that improvements, purchases and developments are environmentally sound.

Our College therefore commits to:

- ✓ Seek and act upon professional advice in order to minimize the adverse environmental impact of any new developments and exceed government regulatory requirements. This includes efficient heating and water systems, appropriate space for recycling, and the use of recycled and/or sustainable building materials where possible.
- ✓ Purchase efficient and environmentally sound appliances and consider replacing old stock with 'greener', more efficient alternatives.

Minimize consumption of water.

Our College therefore commits to:

- ✓ Repair sources of water leakage, such as dripping taps and showers as quickly as possible.
- ✓ Install appliances which reduce water consumption.
- ✓ Encourage a decrease in water usage among staff, students and conference guests.
- ✓ Use an efficient and hygienic water storage mechanism is to minimize the loss of water during storage.
- ✓ Minimize wastage of water and use of electricity during water filtration process, if used, such as RO filtration process and ensure that the



Internal Quality Assurance Cell (IQAC)

2018-23

equipments used for such usage, are regularly serviced, and the wastage of water is not below the industry average for such equipments used in similar capacity.

Minimize the use of chemical pollutants both in college by students and staff, and in college grounds by gardeners.

Our College therefore commits to:

- ✓ Ensure that all cleaning products used by college 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.
- ✓ Dispose the chemical waste generated from the laboratories in a scientific manner.
- ✓ Reduce the practice of burning plastic and other material that emit harmful gas on burning is prevented in the campus.

Ensure that the students and faculties are encouraged to plant trees in the campus.

Our College therefore commits to:

- ✓ Establish a Garden in the campus.
- ✓ Encourage the faculties and students to plant trees in the garden.
- ✓ Reviews periodically the list of trees planted in the garden periodically.

Ensure that environmental awareness is created.

Our College therefore commits to:

- ✓ Conduct environmental awareness workshops as a part of the program.
- ✓ Conduct events such as plant trees to spread environmental awareness among the students.
- ✓ Create awareness of environmental sustainability and takes actions to ensure environmental sustainability.
- ✓ Promote environmental awareness as a part of course work in various curricular areas, independent research projects, and community service



Internal Quality Assurance Cell (IQAC)

2018-23

Ensure that the buildings conform to green standards.

Our College therefore commits to:

- ✓ 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.

Ensure that the Green Policy is enacted, enforced and reviewed.

Our College therefore commits to:

- ✓ Establish a College Eco Club that will hold responsibility for the enactment, enforcement and review of the Green Policy. The Eco Club shall be the source of advice and guidance to staff and students on how to implement this Policy.
- ✓ Ensure that the Eco Club will review the Green Policy on an annual basis, and will monitor progress and set measurable targets wherever possible.
- ✓ Require that every staff and student member recognizes their responsibility to ensure that the commitments in the Green Policy are properly put into practice.
- ✓ Ensure that a Green audit is conducted annually and action is taken on the basis of audit report, recommendation and findings.

ENVIRONMENTAL MANAGEMENT:

Plantation

- There is a huge plantation of trees within the college campus, which is properly maintained. New plantations are regularly made.
- An island with a flower garden Lumbini Udyan has been made within the college campus and is maintained by the college authority.

"SANJEEVANI": The Medicinal Garden

"Sanjeevani" an open air laboratory of our College with useful medicinal plants which includes more or less 20 different species started its journey from 2014. Some of them are local and very common but with immense medicinal value, like, *Tulsi, Kalmegh, Nishinda, Kulekhara, Pudina, Harjora, Halud, Dhatura,*



Internal Quality Assurance Cell (IQAC)

2018-23

Thankuni, Nayantara etc. Some rare species are also available like Bishollakarani, Sarpagandha, Alovera, etc. This medicinal plant has a great extent for sustenance of traditional health care system, both logistically and as well as economically. However, the present scenario shows a decline in these traditional plant based health care practices. This college has a future plan to aware not only the students but also the local people about the medicinal values of those plants.

Green Volunteer Project: As a new venture to inculcate among our students love for the environment and its preservation, the college under the leadership of the NSS Program Officers has taken up the **GREEN VOLUNTEER** project. NSS Volunteers will try to bring awareness within the campus with regard to our indebtedness to nature & environment. They will work on the campus to keep it clean, educate others with slogans and captions put up at strategic places, clean the garden from weeds etc. This project was inaugurated by Principal and he wished all the best to students for their enthusiasm and Interest.

Green Guard Team "**Save Nature**" has been formed which focuses on holistic and sustainable development of the surroundings and to make students aware about protection of nature & environment.

Energy conservation

Use of LED bulbs instead florescent bulbs

- There is proper vigilance, including centrally controlled switching system, to minimize the misuse and wastage of electricity.
- The college has generators and inverters of different capacities to supply need based power requirement in case of power cut to control unnecessary wastage of fuel.
- While constructing the buildings, the college authority takes care so as to facilitate adequate natural illumination and ventilation of each room to save energy.



Internal Quality Assurance Cell (IQAC)

2018-23

Use of renewable energy

The college uses solar power for pumping underground water, used for sanitation and drinking purpose, and for partly supporting power supply in the office.

Water harvesting

The college stores rain water in the ponds within its campus, which meets the requirement of water for maintaining the plantations and gardens of the college.

Rain Water Harvesting: "MANDAKINI" PROJECT

Rainwater harvesting is a process or technique of collecting, filtering, storing and using rainwater in times of needs of human, animal and plant such as for irrigation and various other purposes. It is a very effective method of water management and its conservation.

The college has taken an encouraging venture by establishing a mini rainwater harvesting project with the following purposes -

- ✓ To utilize rain water and reduce the consumption of water supplied by respective authority.
- ✓ To provide an independent water supply to the during water shortage period in the summer and dry season.
- ✓ Conservation of water resources in consequent to the govt. policy "Jal Dharo, Jal Varo".
- ✓ To irrigate the garden area and if necessitates, use of this water for the toilets of the ground floor.
- ✓ To create conservation awareness among college students and others about water.
- ✓ To recharge ground water through recharge pits.
- ✓ To improve garden ecology by promoting vegetation cover and thus attracting birds, butterflies and others.
- ✓ Project "**Mandakini**" is one of the eco-friendly initiatives in our college. Being geographically situated in the arid region of this state, conservation of water resources is extremely important to survive. The basic aim of the project is not only store the rain water but to use it for maintenance of



Internal Quality Assurance Cell (IQAC)

2018-23

various gardens throughout the year. The water will be channelised to the flower beds of the college campus. The stored water will also be used for toilet flushing in the ground floor in future.

Use of Solar Energy: "Sun Shine" Project

College authority has commitment to pollution-free environment. We endeavor to emphasize the use of renewable energy. The process has been initiated by the installation of solar PV Street light within the campus.

Waste management

Non-hazardous solid waste: The solid waste generated is initially gathered and segregated at source. The saleable waste is given out to the recyclers; the biodegradable waste is dumped in the composting pit and treated by the Science departments to generate bio fertilizer that is used for plantation; non-biodegradable and non-saleable waste that is generated in small amount is dumped in a separate pit.

Hazardous waste: Separate safe pits are maintained for disposal of e-waste and chemical wastes.

Waste water management: There is proper drainage system and safety tanks for waste water management.

Efforts for Carbon Minimization

The college does not allow any vehicle inside the college campus.

The extensive plantation within the campus puts a check on the unavoidable emission of carbon dioxide due to cooking and occasional use of generators.

Environmental Awareness Program: NSS Units of our college celebrates and observes World Environment Day, International Earth Day, World Nature Conservation Day, World Forest Week etc every year.

To maintain eco-friendly ambience following programs is followed -

- Green building for quality living



Internal Quality Assurance Cell (IQAC)

2018-23

- Know green and think green is promoted on the campus
- Clean campus & Green Campus is our motto
- Water conservation and prevention of water wastage
- Use of LED bulbs instead CFL bulbs
- Small generators are substituted with 250 KVA generators to save diesel. CPCB approved.
- Usage of recycled paper bags was promoted among students by displaying boards like 'Say No to Plastic'
- Pick a Paper & Say to No Plastic is a major issue
- Reduce - Reuse - Recycle methods are followed
- Carbon dioxide neutrality is maintained on the campus by developing greenery
- Turning of monitors after the work
- Global warming, bio-diversity and pollution incorporated in the curriculum

Role of NSS

- The college undertakes various activities through N.S.S. like beautification, water and power management. The biodegradable and non-biodegradable waste segregated by the college was utilized for composting. To create eco-friendly awareness among the students college arranges special programs by inviting the eminent personalities, who in turn train and educate public. Students are encouraged to participate in eco-friendly activities.

Green Audit

The college has an internal Green Audit Committee that regularly monitors the greenness and cleanliness of the college campus.

The Committee is responsible for maintaining the green campus with plantations including rare medicinal plants and ponds, facilitating waste management and taking measures for energy conservation. The Committee tries to create environmental awareness among students by involving the NSS and the hostel boarders in its activities.



Internal Quality Assurance Cell (IQAC)

2018-23

The Committee organizes seminars on environmental awareness and sustainable development and encourages both students and local community for environmental conservation.

Recently the Committee has introduced a mechanism for internal control over greenness and cleanliness of the college campus and conducting annual Green Audit. The College undertakes various green initiatives relating to Environment Consciousness in the college campus. The College is going through the process for Green Audit. The institution takes all possible steps to make the campus eco-friendly. The use of plastic bags is avoided in the campus and the authority is planning to declare the entire campus as "No Plastic Zone". Under the various NSS programs the students and staffs have planted some tree saplings during various tree plantation programs organized by the institution and all these trees are taken care of and maintained by the institution. The college has constructed a Green Audit in an abridged format. The outcome is given below:

Green Audit Report of THLH Mahavidyalay (Calculate $\Sigma x.f$ and divide by 100 get CGPA)				
Score = 0-none-existent; 1-poor; 2-average; 3-good; 4 - excellent				
Sr. No.	Item	W	Score X	w.X
1	The College campus is green with trees, shrubs and potted plants.	8	6	48
2	The greenery is maintained by watering and pruning of plants.	5	4	20
3	Organic wastes are converted into compost	3	1	3
4	Use of plastics (polythene, thermocole, PVC etc.) is minimized and waste plastics are recycled.	5	2	10
5	Solid garbage (building debris, unused building materials) is removed from the campus.	4	3	12
6	Waste paper is sold to vendors for recycling.	5	3	15
7	Rejected computers, printers, key-boards etc. in working condition are donated and others sold to vendors for recycling.	5	2	10

Internal Quality Assurance Cell (IQAC)



2018-23

8	Use of tobacco for smoking or chewing in the campus is banned.	5	4	20
9	The College building(s) kept clean by sweeping and washing	5	4	20
10	Classrooms have cross-ventilation and sufficient natural lighting to minimise use of electricity.	5	4	20
11	Electric fittings and plumbings kept in proper condition to prevent electricity leakage and water dripping.	5	4	20
12	College takes steps to sensitize students and staff about energy conservation, environment and pollution hazards	5	4	20
13	All electrical appliances (lights, fans, air-conditioners) are switched off when not in use.	5	4	20
14	Incandescent lamps have been replaced by CFL or LED lamps.	5	2	10
15	College takes steps to purchase fans, refrigerators and air-conditioners with low energy consumption.	5	2	10
16	The College has installed water harvesting system and is making use of stored rainwater.	5	4	20
17	College makes use of solar energy and wind energy.	5	3	15
18	College has replaced resistance regulators with electronic regulators, CRT monitors with LCD monitors, and DOT matrix printers with Deskjet printers.	5	2	10
19	College implements hazardous waste management with soak pits for waste water from Chemistry lab and other labs and uses water based chemical reactions.	5	1	5
20	College observes Environment Day / Earth Day, organizes seminars on environment-related issues.	5	4	20
	Total	100	63	328
	Our CGPA score on Environment is $CGPA = (\sum x.f) / \sum f$			3.28

Green Audit is the most efficient & ecological way to solve such an environmental problem. The experiments on the nature by avoiding natural rules, this can be a one major reason behind Green audit process. Green Audit is one kind of professional care which is the responsibility of each individual who are the part of economical, financial, social, environmental factor. The Green Audit of is Requirement of NACC Committee to the college. It is necessary to conduct a green audit in college campus because student aware of the green audit, its advantages to save the



Internal Quality Assurance Cell (IQAC)

2018-23

planet & they become good citizen of our country. Thus, Green audit Become necessary at the college level.

Environmental awareness seminar

Date	Resource Person	Designation	Institute	Topic	Students Present	Teachers Present
28/02/2023	Dr. Anirban Paul	Assistant Prof. of Botany	Suri Vidyasagar College, Suri	Understanding Plastic Pollution and its Impact on Lives	40	28





Internal Quality Assurance Cell (IQAC)

2018-23

Environmental Awareness Rally on the Occasion of World Nature Conservation Day





Internal Quality Assurance Cell (IQAC)

2018-23

**Tree Plantation program on the occasion of world Environment Day,
World Darth Day and World Forest Week**





Sapling collection from forest department by our teacher



Internal Quality Assurance Cell (IQAC)



2018-23

