



Criterion 7: Institutional Values and Best Practices

7.1.2: Circulars and report of activities for the implementation of the initiatives document


Principal
Government Girls' General
Degree College
Kolkata



Subject: Green Initiatives Undertaken by The College

Dear Government Girls' General Degree College, situated at 7, Mayurbhanj Road, Kolkata-700023 community,

We are excited to announce the initiation of our Green Campus initiatives taken, as a new Government College and Fourth Government Girls' College established in 2016. A collective effort is taken to foster sustainability and environmental consciousness within our college community. As a new campus, we recognize the importance of promoting responsible environmental practices and contributing to a greener and safer place to our new generation. We will be implementing a series of initiatives aimed to reduce our carbon footprint, conserving resources and creating a more sustainable college campus environment.

These initiatives contain:


- Alternate sources of energy and Energy Conservation:** Implementation of non-conventional energy sources like Solar Panel installation, encouraging the use of natural light and LED lights and raising awareness about responsible energy consumption.
- Waste Reduction:** Supply of waste bins across the campus and promoting responsible disposal practices. Special initiative should be taken for the proper disposal of chemical wastes generated from the chemistry laboratories.
- Water conservation:** Encouraging water-saving fixtures (like putting off taps or emergency maintenance of running taps etc.) and promoting water conservation practices throughout the campus, giving emphasis on implementation of projects like water recycling and rain water harvesting.
- Green Campus:** Creating and Maintaining greenery on campus to enhance biodiversity and provide a less polluted and peaceful environment for our stakeholders. An Air Quality Monitor will be installed to check air quality of the campus.
- Educational Programs:** Promoting awareness campaigns through seminars/webinars, camps to educate students and staff members about environmental sustainability.

The schedule of the activities to be performed to achieve our goals will be notified shortly.

Moreover, we encourage every member of GGGDC community to participate actively in these initiatives and contribute to the success of our Green Campus endeavour. Our cumulative effort will create a more sustainable and environment friendly campus for our current and future generation.

Thank you for your cooperation for creating a cleaner and greener college campus.

Best wishes,


Principal, 03/01/22
Government Girls' General Degree College
Principal
Government Girls' General
Degree College
Kolkata


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Government Girls' General
Degree College
Kolkata



Subject: Waste Management Initiatives Undertaken by The College

Dear Government Girls' General Degree College, situated at 7, Mayurbhanj Road, Kolkata-700023 community,

Our commitment towards clean and green campus, we are introducing new Waste Management initiatives on our college campus. These initiatives are designed to endorse responsible waste disposal practices and minimize ecological footprints.

The initiatives taken:


- 1. Reduction of Single-Use Plastics:** A collective effort was taken to minimize the habit of single-use plastics usage by encouraging alternatives such as reusable containers and water bottles.
- 2. Installation of Sanitary Napkins Vending Machines with green disposal:** The College has taken initiative to install two Sanitary Napkin Vending Machines as well as incinerator for girls at the campus in girls' toilet. The purpose is to promote safe and hygienic sanitary practices among the girls with proper green disposal of used napkins.
- 3. Composting Facilities:** Introduction of two composting pits backyard of the college campus to facilitate the composting of organic waste, converting it into organic manure for our college campus gardening.
- 4. Recycling Awareness Campaigns:** Arranging Workshops/Seminars/Webinars and informational drives to educate our college community about the importance of recycling and proper disposal of different types of wastes.
- 5. Clean-Up Drives:** Regular Clean-up activities should be performed involving students, faculty, staff (Karma bandhu) and NSS Unit 1 to ensure a clean and litter-free environment.

The schedule of the upcoming programs relating to the above policies will be notified shortly.

We believe that these initiatives taken by the college authority will contribute significantly to the overall clean and green environment of the college campus.

Thank you for your cooperation for creating and maintaining effective waste management and environmental sustainability of our college campus.

Best wishes,


Principal,
05/01/23
Government Girls' General Degree College

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Reports of Activities for The Implementation of The Initiatives Document

Alternate Source of Energy and Energy Conservation Measures


Use of Renewable Energy:

Keeping in mind the benefits of solar energy to minimize the consumption of electricity which is produced by converting the Sun's radiation – Government Girls' General Degree College authority has initiated to implement it by writing a letter to the Chairman, West Bengal Pollution Control Board. After Material Inspection for design and engineering on 18.02.2021 for the work order given (Work order no. 2821-6K/WPB/274/2018 dated 16.12.2019) a solar panel project was installed (Project Name: 50 nos. 10kWp Roof Top Grid Connected SPV Power Plant). The project was completed and is operating successfully on and from 25.02.2021. The above mentioned work was implemented by West Bengal Pollution Control Board, Department of Environment, Govt. of West Bengal and executed by M/s Sunshine Power Products Pvt. Ltd. Project executor, M/s Sunshine Power Products Pvt. Ltd. (Address 130/9, Bakrahat Road, Hanspukur Green Park, Joka, Kolkata-700104) has supplied and installed the above said power plant successfully and will carry out the preventive and routine maintenance support of the system for 5 years as per the tender agreement No. M/WBPB/24/2019-2020 dated 31.12.2019 and LoA vide memo No. 2821/6k/WBPCB/274/2018 dated 16.12.2019.

An agreement was signed on 08.12.2023 between CESC Limited with Government Girls' General Degree College (As "Eligible Consumer") for the Connection of Net Billing. Now the above Solar Plant of the College is interconnected with the electrical installation/network of CESC and will run in parallel with CESC's Distribution System so that the College is benefitted for the entire electrical energy generated from the above solar Plant into CESC's network at approved generic tariff of Rs. 3.17 /kWh, determined by the West Bengal Electricity Regulatory Commission as per the Order I Case No. SM-28/21-22 dated 25 October 2021. The College has paid the Service Charge Bill (Rs. 37760.00, Transaction Date 30.11.2023) for Net Metering through Net banking to CESC.

Energy Efficiency:

1. Energy efficiency will be ensured in college campus and facilities by employing energy-efficient measurement like stepwise replacement of normal lights to LED lamps etc. Regular energy audits and assessments will be conducted to identify scopes for reduction of energy consumption.
2. Use of Public Transport and sharing private cars are encouraged amongst students, teachers and Staff to reduce air pollution.
3. Regular AMC and maintenance of computers and other instruments ensure proper energy utilization and minimize usage hazards.
4. Slogans and instructions are there for proper usage of electricity
5. Two-Day's Seminar on Energy Conservation & Energy Efficiency was held on 7th & 8th June, 2022, organized by IQAC, Government Girls' General Degree College, 7, Mayurbhanj Road, Kolkata-700023 in collaboration with PCRA (Petroleum Conservation Research Association).


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Degradable And Non-Degradable Waste Management:

1. Dustbins are placed at each floor and all are directed towards proper use. Maintaining proper protocol for the disposal of all different categories of solid wastes such as biodegradable (Turquoise), Dry and non-biodegradable (red), non-biodegradable (Blue), Paper-wastes (yellow) are done. Care is taken to ensure that hazardous waste of Chemistry Department do not mix with the general waste of the college.
2. Preparation of organic manures and vermicomposting of organic domestic and canteen wastes is done by NSS Unit 1. These fertilizers are regularly used for the soil enrichment.
3. Junk disposal particularly non-functional instruments and e-waste identified and kept in the store room. This ensures campus cleanliness.
4. Broken and unusable furniture are kept separately in a room.
5. The College have facilities of Sanitary Napkins Vending Machines with inclinators for green disposal of used napkins at the campus.
6. Properly planned sanitization and sewage measures are there in the building while designing the plan of the building by the KMDA, Govt. of West Bengal.

Water Conservation

Government Girls' General Degree College has the following water conservation facilities available in the Institution:

1. Waste water recycling: The excreted water from Air Conditioner's outlets has been used in the cleaning and gardening purpose.
2. Slogans and instructions are there for proper usage of tap water.


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Green And Clean Campus Initiatives

Systematic execution of green environment initiatives has implemented as far as possible for a new government college for girls established in 2016, by maintaining of biodiversity and pollution free environment within the campus. The green cover of the campus is maintained in a well-documented way by Maintenance, Beautification and Gardening Committee under IQAC and also by NSS UNIT 1.

The cleanliness of the campus is maintained by college staff (Karma bandhu), monitored by Maintenance, Beautification and Gardening Committee under IQAC and also by NSS UNIT 1. Campus cleanliness drive organized by NSS Unit 1 is undertaken diligently by students.

Environmental and Energy Audit Committee will prepare an annual report on the progress and outcomes of the environmental and energy initiatives taken by the Government Girls' General Degree College authority for each and every year.

Efforts for Carbon neutrality: The greenery in the College campus effectively neutralizes the harmful carbon dioxide.

Utmost care is taken to maintain the lush green environment.

Tree Plantation Programme is observed twice in every year especially on the Independence Day.

Some of actions taken are depicted here:

A. In the year 2018-19, activities of NSS includes Swachh Bharat Abhiyan (SBA), Swachh Bharat Mission (SBM), Cleaning- Up Streets and Awareness programmes for open defecation.

B. In the session 2019-20, activities of NSS

1. The College received one hundred saplings under the Sukanya Scheme of Government of West Bengal through Kolkata Police on July, 2019. Those saplings were chiefly of tree types like Kadam, Blackberry, Sweet neem etc. All the teachers and staff members were delighted to receive these. The Kolkata Police ritually planted few sample saplings in the college premises on the same day.
2. A "Campus Cleaning and Tree Plantation Programme" was conducted by NSS Unit-I in collaboration with Maintenance sub-committee of the college on 16.09.2019 in the college campus. Faculty members and students of different departments participated in the programme actively.
3. BRIKSHAROPAN UTSAB on 10.08.2019
4. Campus Cleaning and Dengue Awareness program on 11.03.2020.

C. Inter-College One-Day Seminar on "Way to a Green World: The Seminar committee (Science) in collaboration with the Chemistry, Geography, and Physics departments of Government Girls' General Degree College and IQAC, Ekbalpur organized a one-day inter-college seminar on our environment titled "Way to Greener World" on 20-09-2019. The invited speakers were Dr. Shantanu Chakraborty, Principal, Singur College; Dr. Ajanta Mukherjee, Assistant Professor, Department of Chemistry, Maulana Azad College; Dr. Dipan Adhikari, Assistant Professor, Department of Botany, Hooghly Mohsin College and Prof. Sangeeta Yonzon, Assistant Professor, Department of Economics, Government Girls' General Degree College, Ekbalpur. There was also a poster presentation competition among the students. Students from all the above four colleges participated in the competition.


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D. NSS Activities 2021-2022 Observed -

1. Students' Week in January 1-7, 2022. That includes drawing competition on National Integrity, Environment conservation, gender discrimination.
2. Salma Khatun from department of B. Com, Jainab Jawed from department of Geography, Vanshika Gupta from department of Chemistry of our college has received recognition certificate from University of Calcutta NSS unit 1 as NSS Volunteer. They have also attended NSS Special Camp held under the Slum in Naptani Bagan, Mominpur, Kolkata.

E. NSS Activities in 2022-2023, includes Campus Cleaning Program (04.08.2022) and Tree Plantation Program (07.08.2022).

F. World Environment Day is commemorated by generating awareness among students through seminars/webinars, poster competitions, campus cleaning.

G. Dignitaries gracing college functions are felicitated with saplings in small pots.

H. Students submit project on different aspects of environment as a part of UG Semester II, AECC curriculum.

I. Effective digital communication through college website leading to minimal consumption of papers.

J. Demarcating 'Minimum usage of plastic' and strict abidance to the same. Students, teaching and non-teaching staff members are advised to use recyclable materials for storing their food, water etc., to reduce the single-use plastic wastes.

K. Slogans and instructions are there to reduce carbon footprint.

Disabled-Friendly and Barrier-Free Environment

The college has provided barrier-free environment where people with disabilities can move about safely and freely and use the facilities within the built environment. The environment supports the independent functioning of individuals so that they can participate without assistance in everyday activities within the campus.

According to the persons with disabilities act 2016, discrimination against disabilities is strictly prohibited. Government Girls' General Degree College intends to provide comprehensive and inclusive Teaching and Learning environment to students and any employees. Aiming to this, the ramp has been built at entry door of the building.