



MANIBEN NANAVATI WOMEN'S COLLEGE
Best College 2018-2019
(Affiliated to SNDT Women's University, Mumbai)

Project CLEAN CAMPUS, GREEN CAMPUS (CCGC)
Water Harvesting and Wet Waste Management Initiative

A. Introduction of the College:

Awarded the BEST COLLEGE 2018-2019 prize on the 104th Foundation of SNDT Women's University, Maniben Nanavati Women's College has been re-accredited with 'A' grade by National Assessment & Accreditation Council, an autonomous body of University Grants Commission. "Empowerment of women Through Access to Higher Education for Women" is the mission statement of the College. Established in 1972, the College has been named after Maniben Nanavati, a freedom fighter and staunch Gandhian. The institution continues to follow the legacy of Mani Ba who was an adherent exponent of the principles of **reuse and recycle**.

B. Project Clean Campus, Green Campus :

Project CCGC is a collaborative project of Maniben Nanavati Women's College in which Retired Teachers, Alumni, Teaching and Non-Teaching Staff Members, Students, Parents, Officers from Bombay Municipal Council (BMC) and Mr. Shubhajit Mukherjee, an environmental activist joined hands to participate in the mission to make the college campus waste free and water-friendly. Mrs. Himadri Nanavati, the Chairperson of the Managing Committee of the College took a special interest in the project.

During one of the sessions at the University level Leadership Camp held at Virathan Budruk (Saphale District) by the College's NSS Cell, the volunteers were introduced to piped compost making technique by Mr. Shubhajit Mukherjee. He is Founder of Mission Green Mumbai, an NGO dedicated to the cause of planting 1 crore trees in Mumbai. He has also been designated as Jal Rakshak of Jal Shakti Abhiyan launched by Ministry of Jal Shakti.

Mr. Mukherjee will act as the Mentor for guiding the stakeholders of the project.

C. Objectives:

The project aims to work on two areas identified by the stakeholders:

- Wet Waste Management – making compost out of the kitchen waste (peels of fruits and vegetables / cooked food left overs) released by the College Canteen.

b. Water Harvesting - by reusing the spilt water in the Drinking Water Basins on each floor of the College premises for gardening and cleaning purposes.

c. Community Outreach- the stakeholders will be taking this project of piped compost pit and water harvesting and spread awareness about them in their neighbouring areas, especially in schools and residential colonies.

D. The Techniques:

a. Wet Waste Management

The Project aims to install the technique of composting wet- waste accumulated by the College Canteen. Two cement pipes, each made of 8 inches wide and 15 feet, are used in this technique. One fourth of each pipe is inserted in the muddy ground and the remaining end of the pipe is closed with the help of a heavy lid. Each pipe can store up to 100 kilogram of wet waste and can be used alternatively as and when one of them gets full. The soil absorbs the wetness of the waste and turns it into manure over a period of one month of time.

b. Water Harvesting

Under the Jal Shakti Abhiyan, Mr. Mukherjee has introduced this technique of water harvesting in more than 30 schools of Mumbai and Thane. All the spilt water from the drinking water taps is diverted to a tank by making a few plumbing changes. The College Premises has all the three drinking-water stations built below each other on 2nd, 3rd and 4th floor. The water flows down through the same pipe that will be stopped from entering the drainage system and will be stored in a tank on the ground floor in the backyard. The stored water will be reused to water the plants and garden and cleaning the floors.

E. Process:

After the ideas of making the college campus waste-free and water friendly came from the stakeholders, the first meeting was conducted on 16 the March 2020 from 10.00 am to 12,00pm. Important decisions were taken as to how to plan and execute the project, how to collect funds and identifying the locations for installing both the projects. This was followed by a series of meetings and actual work where the students played an important role in materializing the project.

F. Funds:

The Stakeholders with the support of Mission Green Mumbai and BMC have volunteered to contribute to this project in their best possible capacities.

G. Outcomes:

a. Wet waste management up to 300 kilograms per month to be turned into manure that will be used for the college garden. The College will reduce the volume of garbage that is at present handed over to the municipality vans.

b. Water harvesting up to 500 litres per month

c. Spreading awareness about the success of both the systems in the community and neighbourhood.

H. The Way Ahead:

Project Green will be an ongoing activity. More stakeholders will be involved in getting it installed in more and more premises.

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