



**Sadhubella Education Society's
Minority Institute**

J. Watumull Sadhubella Girls College

Near Government Dispensary, Ulhasnagar-421 001, Dist-Thane

ENVIRONMENTAL AUDIT

Academic year -2019-2020

Three expert members appointed for external Environmental audit **1) Prof. Chetan Waman Mahajan**, Dept. of Geography / Environmental Science, J.S.S.P'S. Arts commerce and Science college, Goveli Tal. Kalyan, Dist. Thane, **2) Mrs. Manjushree Chetan Mahajan**, Asst. Prof. Department of Geography/ Environmental, K.V. Pendharkar college of Arts Commerce and Science, Dombivali Dist. and **3) Mr. Waman Sonawane**, Sanitary Inspector, Ulhasnagar Mahanagarpalika corporation of inspection.

Environmental audit is defined as basic management tool which comprises a systematic, documented, periodic and objectives evaluation of how well organization, management systems and equipment are performing phase. Post audit activity pertaining to drawing conclusion and identifying areas of improvement.

Objectives of Environmental Audit:

Environmental audit is done to safeguard the environment and minimize risk to human health.

The key objectives of an environmental audit are to:

1. To assess environmental performance.
2. To promote environmental awareness.
3. To improve production safety and health.

4. To reduce waste.
5. Verify compliance with relevant national, local or other laws and regulations.
6. Determine how well the environmental management information systems and equipment are performing.
7. Minimize human exposure to risks from environmental, health and safety problems.

Observation:

A comprehensive and proper environmental audit report cover a number of environmental categories including:

1. Waste management: Municipal corporation collects waste from college campus daily.
2. Water management: College provides clean, filtered drinking water to students. Water management is proper and water harvesting system has been implemented.
3. College organized painting competitions, distribution of cotton cloth in collaboration of Municipal corporation Ulhasnagar-3 to create awareness regarding environment.
4. College rallies are arranged to create awareness among the public regarding clean environment.
5. College organized nature trip at Bhimashankar and Alibag.
6. College maintain green and clean campus. Made arrangement for separation of dry waste, wet waste dustbins and for E-Waste in college campus.
7. College celebrate the days connected with environment like Environment day to create awareness among the students.
8. College prepared compost pit for decomposed fallen litter in college campus and Worm culture tank are also made in college garden.
9. In college campus stick notice on plastic ban and junk food ban in college campus.
10. College promotes generating less waste during festival.

11. The college has a system provided drinking water earthen flat pots and bowl for birds.
12. Fire extinguisher is installed at strategic place in the college to meet with any emergency of extinguishing fire.
13. PCI has been given annual contract to check the loss inflicted by Rats.

Resource and material use :

College has a well of which water is utilized for gardening, toilets and bathroom through pipe lines uninterruptedly.

Evidences used :



Dustbin for and dry wet waste in college campus



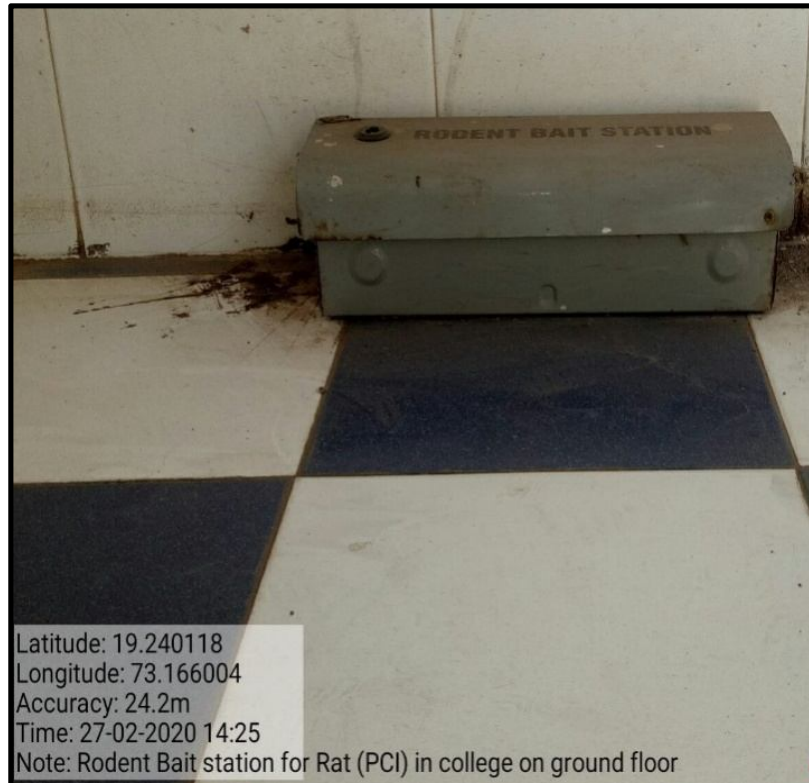
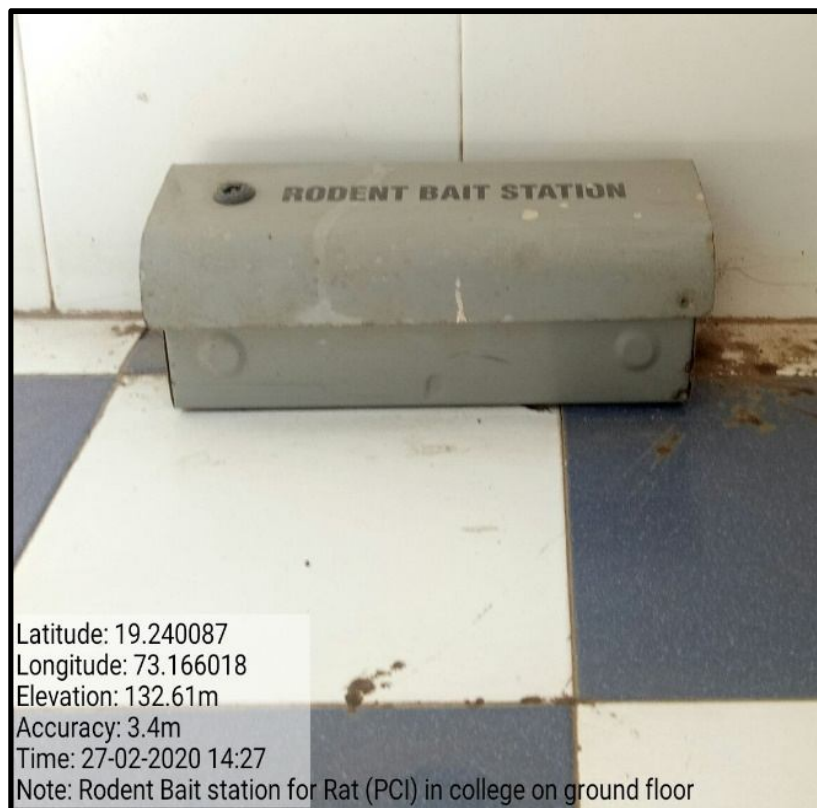
Dustbin for dry and wet waste on first floor



E- waste in college on first floor



Fire Extinguisher in college on first floor
Fire Extinguisher in college on ground floor



Rodent Bait station to check the loss inflicted by Rats



***Fallen leaf litter decomposing pit in college campus
 Wormiculture tank in college garden***



Water supply from Well to garden plants



Hanging feeding bowl for birds Hanging bowl to provide drinking water for birds



Plastic and junk food are prohibited in campus.



Exhaust fan installed in Staff room toilet and student common room toilet for fresh air

Roof Water Harvesting:

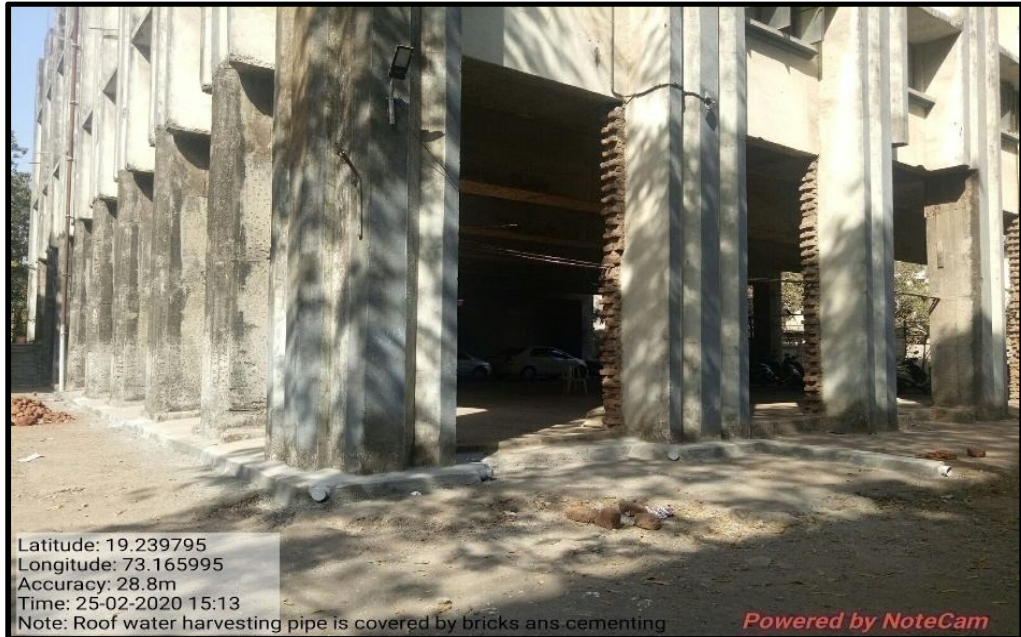
1. **Strength of student** : **661**
2. **Strength of staff** : **19 Teaching and 10 non teaching**
(Teaching and non teaching) : **total 29.**
3. **Consumption of water/ week for gardening in liter:** : **1000 liter per week.**
4. **Catchment area of building here roof** : **1000 Sq. feet water harvesting is done in sq. feet.**
5. **Annual rainfall in a area** : **2598 mm.**
6. **Photo of rain water harvesting pipes and ditch system.** :



Photo: Catchment area of building here roof top rain water harvesting



Photo of rain water harvesting pipes



Roof top rain water harvesting pipes is covered by bricks and cementing



Drinking water facilities provide in the student's common room (Aqua guard and water cooler).



Clean and cool Drinking water facilities provided in the staff room (Aqua guard with water cooler).

Recommendations:

1. Waste : Consider reducing the number of general waste bins in offices to one or two in order to encourage people to think more carefully about the waste they are producing.
2. Ensure that it's clear as to which bin collect which waste stream.
3. Provide separate bins for glass on each floor to make segregation and collection easier.
4. Consider designating the Eurobins for either general waste or recyclables in order to avoid the possibility of cross contamination.
5. Water: Consider carrying out meter reading on a regular basis (e.g. bi-monthly) In order to monitor water usage. Not only will this make checking water bills much easier but also allow a base line to be set from which further reductions can be measured, as well as possibly altering RSA to any leaks.
6. To place environmental information to the public

Emergency plans and response /safety system:

The review of the emergency response system will ensure adequate knowledge, alertness and readiness of the staff concerned to effectively face an emergency.

Conclusion:

The main purpose to conduct environmental audit was to explain the ways in which environmental awareness contributes to improving and preserving environmental protection, respecting the concept of sustainable development. We pay heed attention on the practical applicability to reduce pollution and improve environmental protection. A number of factors were taken into consideration i.e. waste management, water management, cleanliness programme, green and clean campus, compost pit and plastic ban.

We take initiative to instill a sense of environmental protection among students and achieve a higher level of environmental performance. We are contributing to the conservation of natural resources, using less electricity etc. College adopts ecofriendly practices and takes necessary action.

Signature of Chairperson

Signature of member

Signature of member