

**H.H.M.S.P.B NSS College for Women, Neeramankara,
Thiruvananthapuram**

Policy Document on Degradable and Non degradable Waste

Academic Year 2023-24

The college has established an integrated sustainable waste management approach that minimizes waste production. It has a robust waste management system to handle the diverse nature of wastes generated from the academic buildings, hostels, canteen, stationery store and labs. The waste management system of the college is managed by a dedicated team of students, academic and administrative staff supported by a dedicated workforce of sweepers and cleaners. We are trying hard to achieve the vision of “zero waste” and to reduce the environmental impact of its activities and to attain the objective of a plastic free campus through its philosophy of “reduce-reuse-recycle”. Segregation of waste at source is ensured through coloured bins, green bins meant for organic waste or wet waste, blue for non-recyclable & plastic waste and red for glass pieces. Dustbins are provided in the college at all department staff rooms, labs, library, at the entrance of every floor and at canteen etc...The college strictly follows the green protocol in all the official and public meetings, seminars and conferences by using the steel glasses, plates, cloth banners, and table clothes. Swachh Bharat Abhiyan (SBA) is a campaign in India started by the Hon'ble Prime Minister which aims to maintain cleanliness everywhere. In response to this campaign our college had also conducted various activities like cleaning of roads, awareness on proper waste management by NSS units and various clubs. Burning of dry leaves and other biodegradable or non-biodegradable waste is forbidden in the campus. Quality of equipment purchased is ensured for prolonged life.

Policies undertaken by the institution regarding the Waste Management are as follows:

Degradable Waste

- ❖ The college has biogas plants connected with the College canteen and hostel meant for recycling the wet waste especially the food wastes from canteen and the mess. The manure and the slurry that results from these plants are used for maintaining the medicinal & vegetable gardens. The gas produced is used in the canteen and hostel mess.
- ❖ Compost pits are established in the campus for disposal of biodegradable wastes such as vegetable peels, leaves and dried flowers which results in manure.
- ❖ Coloured bins are kept within the campus for disposal of wastes generated and segregation of wastes at source.
- ❖ Paper wastes accumulated in the campus are collected by the HaritaKarmasena agency or handed over for recycling.
- ❖ Liquid waste from the Botany, Zoology, Chemistry, Physics, Home Science labs are treated with bleach and decontaminated prior to discharge.
- ❖ The waste water released from water purifiers is used for watering plants.

- ❖ Rainwater harvesting is done for well recharging.
- ❖ All waste water lines from toilets, bathrooms, kitchens, laboratories and mess are managed through sewage pits.

Non Degradable Waste

- ❖ Single use plastic is strictly prohibited within the campus.
- ❖ Collected plastic wastes and E- waste are handed over to HaritaKarmasena agency for recycling at fixed intervals.
- ❖ Separate bins are kept for the disposal of masks & gloves for preventing the spread of Corona.
- ❖ Functional parts of electrical and electronic instruments are recovered and reused thereby reducing unnecessary expenses.
- ❖ UPS Batteries are recharged or repaired or even exchanged with the suppliers for recycling.
- ❖ Ladies' toilets are equipped with sanitary-napkin vending machines and incinerators and the ash is used as manure.
- ❖ Students are encouraged to use ink pens instead of plastic pens.
- ❖ Awareness programmes & workshops are conducted regularly based on the theme, 'Value from Waste' and 'Reduce- Reuse- Recycle'.
- ❖ Double burette titration practices are also constantly used to reduce chemical waste generation.
- ❖ Toxic substances like salts of Hg and spill over of Hg from broken thermometers are collected and buried in the soil at the backyard of the campus.
- ❖ Promoting selling of products with recyclable packaging in cooperative store and canteen.
- ❖ Students are advised strictly not to litter the campus with food wastes and are advised to take back the same which minimizes the presence of stray dogs in the campus.
- ❖ Awareness programmes on menstrual hygiene are conducted for the students regularly. They are encouraged to use cloth diapers or menstrual cups instead of sanitary pads.

Principal

Copy to

1. Superintendent, Office
2. Heads of the Department

