

# Solid Waste Management Guidelines for Schools/Colleges



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## Introduction

Schools are the best place to start waste management awareness, as they nurture the upcoming generation in their premises for the longest time and any subconscious messages passed on here would be deeply ingrained. They are also the best places to initiate a meaningful conversation on sustainable living, thereby understanding how the barrage of disposable and non-recyclable items have in the last fifteen to twenty years created a serious imbalance in our ecosystem and precipitated the current crisis.

When they see how easy it was to live in harmony with the environment without disposables and the like polluting our lives just fifteen years ago, they will be motivated to embrace sustainable living. True, some of the damage done till date is irreversible. Still they can aspire to securing a better future for their generation. And after all, isn't that what education is all about - the dream for a better future?

## Steps to Initiate Segregation in Schools/Colleges

1. Perform a waste audit to assess the category and quantum of waste generated.
2. Procure required size standard colour coded bins for all categories of waste.
3. Display segregation guideline posters near the respective colour coded bins.
4. Have an awareness session for students, teachers and staff.
5. Processing organic(wet) waste in-house is highly recommended.
6. Hire a Garbage Service Provider who can manage recyclable(dry) waste and reject waste.
7. Plan school functions ahead of time in order to achieve zero-waste. Avoid using any disposable plates/ cutlery etc. during functions and events. Invest in reusable tableware or buy only arecanut plates. In case of external vendor, insist on eco-friendly practices.
8. Discourage using Thermocol for student projects.
9. Assign a person to monitor the process and provide monthly training to staff.
10. Perform monthly waste audits. Involve students in these activities in order to motivate and attempt to reduce reject waste.

## Segregation Guidelines

Type of Waste	Colour Code	List of items	Recommended location for bins
Organic/Wet	Green	Fruit peels, flowers, leaves, kitchen waste, Left over food	Kitchen, canteen, cafeteria, staff room
Recyclable/Dry	Blue	Plastic wrappers, plastic covers, paper, pencil shavings and any other recyclable materials.	In every class room, staff room, kitchen, canteen, cafeteria.
Reject/Sanitary	Red	Sanitary, diapers, used bandages, broken glass etc	Toilets, nurse room, kitchen
E - Waste	Yellow	Bulbs, CDs, batteries etc	At collection point





### Special Instructions

- Using standard colour coded bins will make segregation and training effortless for students and staff.
- We do not recommend garbage bins in common areas.
- Students should be instructed to carry back home any leftover food. No Green bins should be available for food waste in the class room. This prevents mixed waste.
- Only Blue bins should be available in the class room.
- Staff room should have a **Green bin** for staff to dispose any food leftovers. This can be put it in the garden compost pit.

## Required items per each location - Segregation kit

Item	Purpose	Image	Location of the Bin
1 Green Bin with lid	Kitchen/Food waste		All possible <b>food waste</b> generation points should have <b>Green bin</b> (15 lt). 15lt will be easy to clean. No plastic liner allowed.
1 Red Bin with lid	Sanitary/Reject Waste		All Bathrooms One in kitchen for soiled plastic.
Blue Bin	Recyclable Waste paper, plastic, bottles, glass etc.		All possible <b>recyclable waste</b> generation points should keep Blue bin next to Green Bin.
Pamphlets	Segregation guidelines		Should be displayed next to respective category/bins.

### Required items for Collection of Segregated Waste

Item	Purpose	Suggested Vendor	Image
Two 75 ltr Drums for every Food Joint.	Compostable Kitchen and Food Waste	<a href="http://www.BigBasket.com">www.BigBasket.com</a> - (Search "KMB") (Drums can be painted green and red for differentiating the type of waste).	
75 ltr Drum to collect from Bathrooms	Sanitary/Reject Waste		
Big Reusable Sacks	Recyclable Waste	<a href="http://www.BigBasket.com">www.BigBasket.com</a> - (Search "KMB")	
Trolley	For transporting the drums. Can be customized.	Pushpan - 9880113273 or any metal fabricator in your location	

## Organic waste management solutions

1. For schools with kitchens generating a few hundreds of kilograms of organic/wet waste daily, a biogas unit can be installed. This plan requires space depending on the size of the unit. The gas generated by the unit can be directly used in the kitchens for cooking.
2. Composting of wet waste using tank composting is a viable solution for less than 100kgs. This requires the waste to be shredded.
3. For schools generating <50kgs of organic/wet waste daily, a khamba or Aaga from DailyDump.org will suffice .



## Waste Audit

**Name of the establishment :**

Type of waste	List of Items	Quantity in KGs/ Nos per day
Organic		
Recyclable		
Reject		
Electronic		
Disposables	Paper cups Plastic glasses Styrofoam bowls paper plates plastic cutlery Trash bags	

\* This will help you to come up with a plan reduce waste.