

Bulk Waste Generator

# URBASER SUMEET

**COLLECTION & TRANSPORTATION OF  
MUNICIPAL SOLID WASTE**



# ABOUT US - URBASER SUMEET



**Urbaser** is a Global Environmental Management Company from Spain, they are in 41 cities and 38 countries working on different environmental based projects which includes Solid Waste Management, Water treatment and Urban services.

**Sumeet** is a Pune based facility management company, who support hospitality industry with blue collar jobs.

**Urbaser Sumeet** has been awarded collection & transportation of Solid Waste Management contract for 8-year period by Greater Chennai Corporation. We are assigned 7 zones and 92 wards respectively.



# WORLD'S LARGEST IOT & KPI BASED SOLID WASTE MANAGEMENT PROJECT



**7**  
Zones



**92**  
Wards



**16,621**  
Streets



**207**  
sq.kms



**8,50,000**  
Households



**40,00,000**  
Population



**12,000**  
Staff



**3,000**  
GPS  
tagged  
BOVs



**125**  
Compactors



**38**  
Mechanical  
sweepers



**13,000**  
RFID  
garbage  
bins



**3,300**  
Tons of  
waste/day

# WHAT IS BULK WASTE GENERATOR?

A Bulk Waste Generator (BWG) is any premises or establishment that produces quantities above 100kgs of waste on a daily basis / Households more than 5000 sq.m, beyond what normal household door-to-door collection systems are designed to handle.

## BWG SYSTEM SHIFT

### Then

- Garbage clearance carried out with the support of empanelled private vendors
- Paid service model for garbage collection

**Vs**

### Now

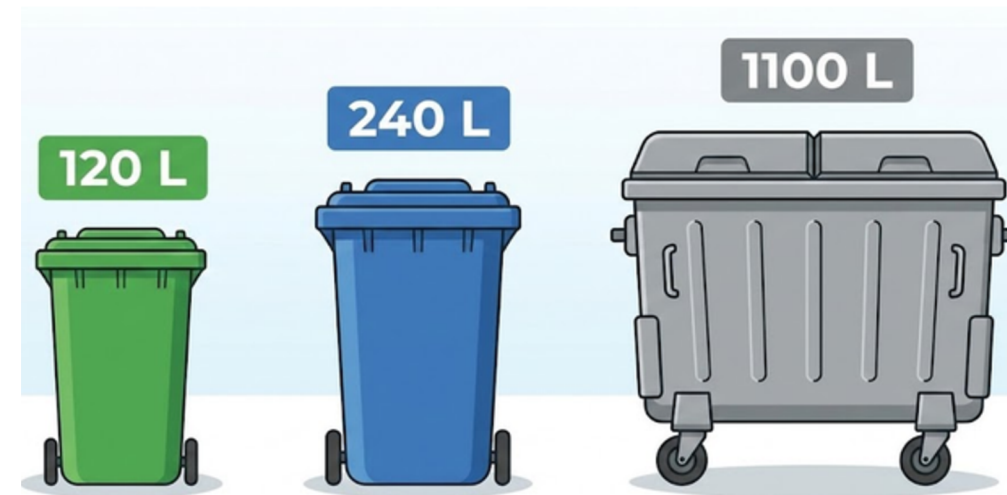
- Garbage clearance through Urbaser Sumeet (concessionaire of GCC)
- Free of cost garbage collection service with mandatory regulatory compliance



# ROLE OF A BULK WASTE GENERATOR (FOR FREE COLLECTION)



1. Segregate waste at source



2. Bin procurements



3. Hand over waste at the apartment gate on the given time windows





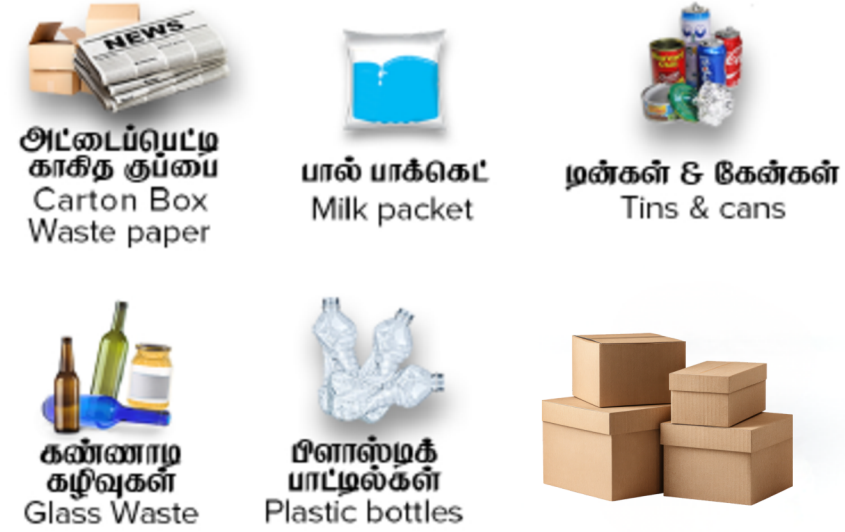
# HOW TO SEREGATE WASTE?

## மக்கும் குப்பை WET WASTE



Kitchen Waste - Vegetables / Tea leaves  
Food wastes / Meat and Bones / Coconut Shells  
Dry leaves and home - cleaning  
dust particles / Ashes

## மக்காத குப்பை DRY WASTE



Recyclable: Plastic / Glass / Furniture  
Rubber / Newspaper / Magazines / Metal / Rexine

## வீட்டின் அபாயகரமான குப்பை DOMESTIC HAZARDOUS WASTE



Medical Waste - Medicine syrup bottle  
Tablet strips / Needles / Insulin strips / Band-Aids  
Oil Cans / Tins / Adhesives / Paints  
Cleaning Liquid bottles / Aerosol Cans  
Batteries / Bulbs / Wires / PVC toys

## சான்றிரி கழிவுகள் SANITARY WASTE



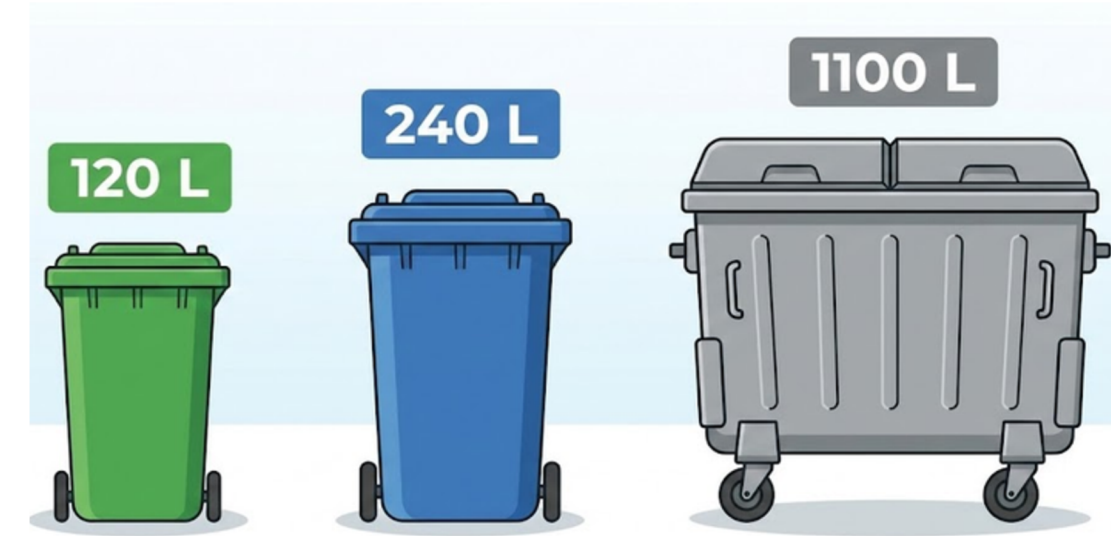
Used Diapers, Napkins, Tampons, Sanitary  
pads and Hygiene products





# BIN PROCUREMENT

- The Bulk waste generators will be responsible for procurement of bins
- Concessionaire may share vendor details, if the BWGs seek help
- Separate bins for Wet, Dry, Hazardous and Sanitary waste
- Waste to be stored in colour coded bio-degradable covers inside the separate bins



## COLOUR CODED COVERS FOR DISPOSAL



● Wet / Biodegradable  
Food scraps, vegetable  
peels, garden waste.



Green for  
Wet waste



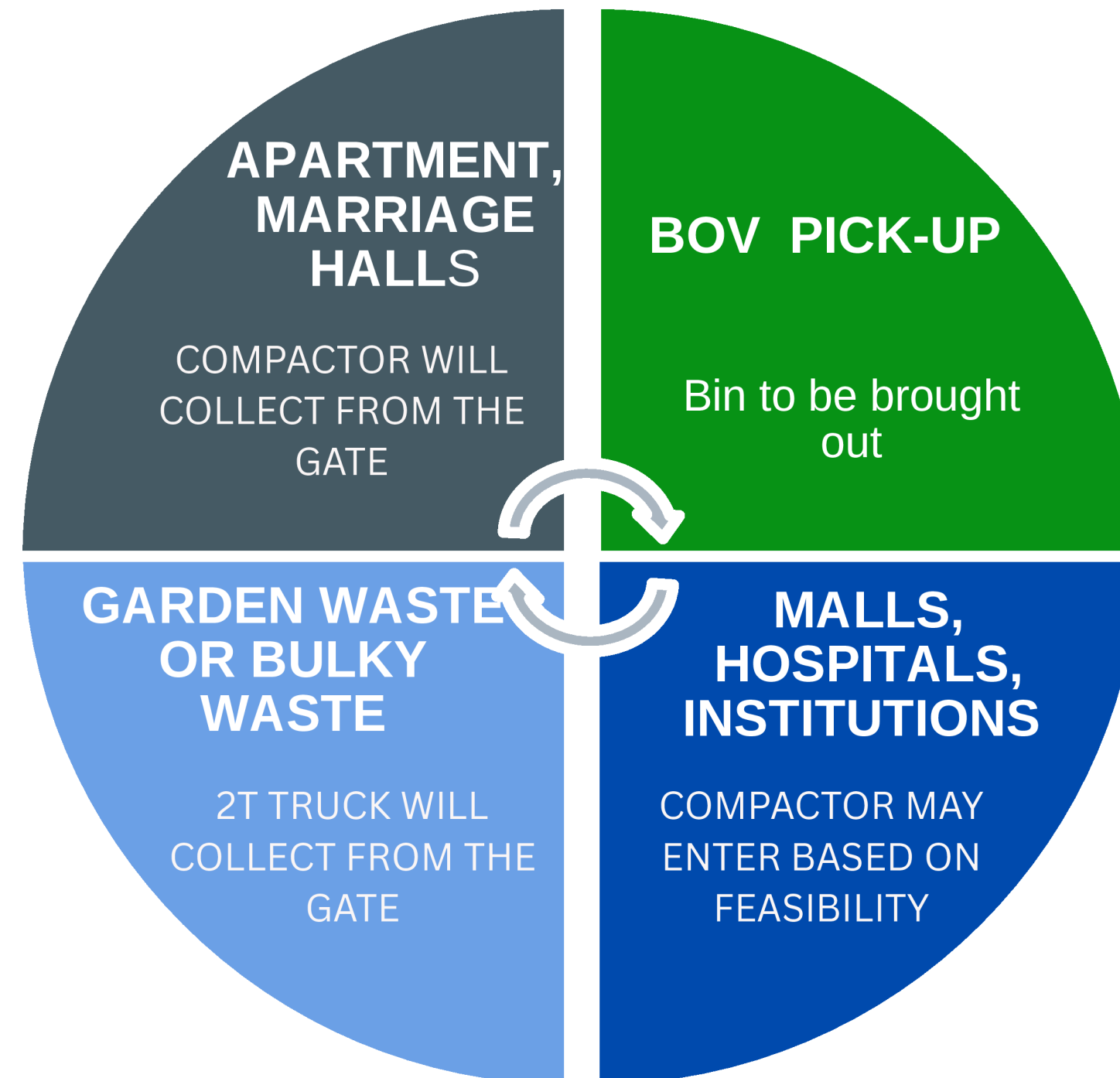
● Dry / Recyclable  
Paper, plastic,  
metal, glass.

● Domestic Hazardous & Sanitary  
Soiled items, masks,  
non-recyclable waste.



Black for Dry waste/ Domestic  
Hazardous waste/ Sanitary waste

# DESIGNATED HANDOVER POINT (GATE / INSIDE PREMISES)



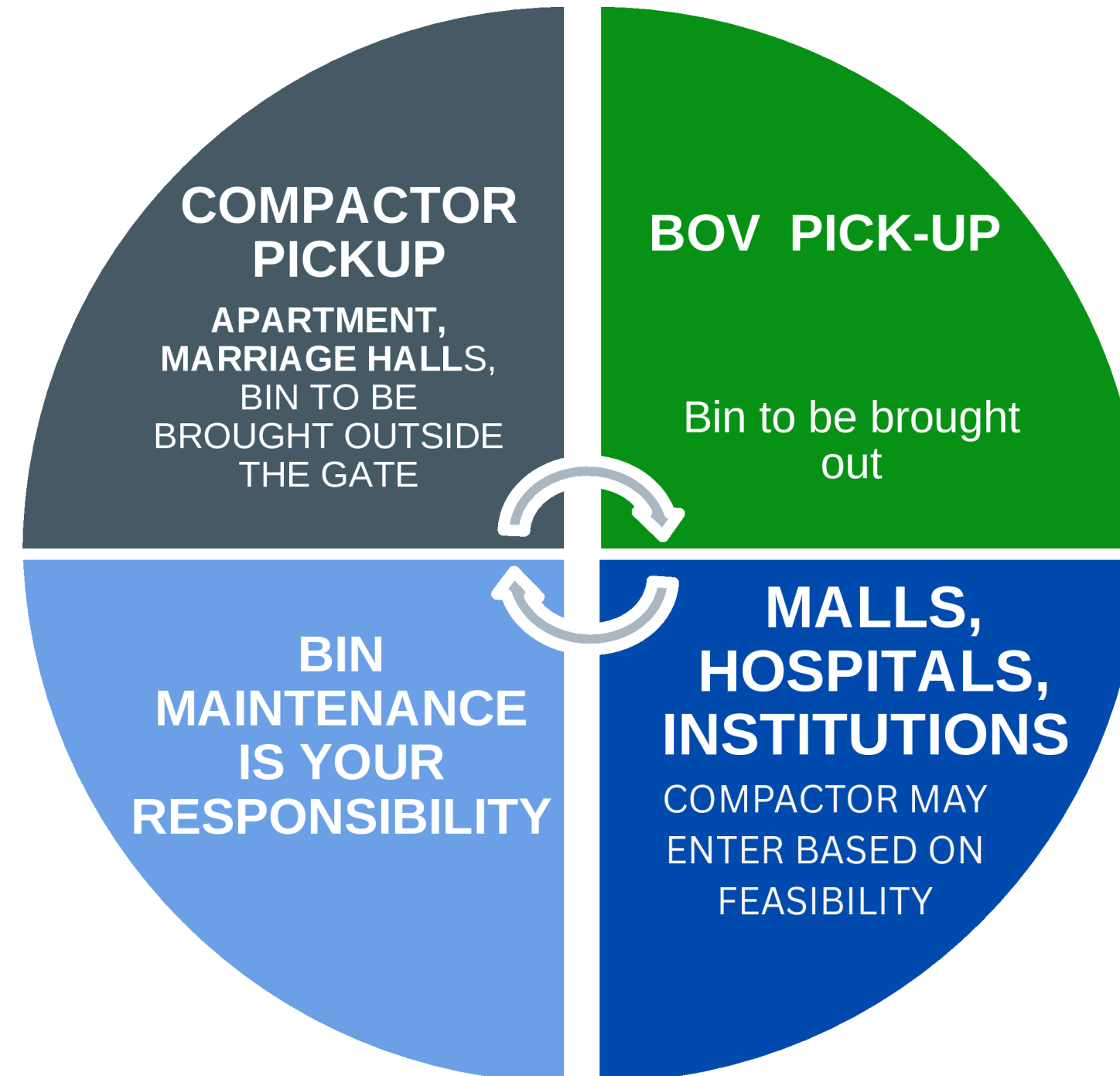


# OPERATION METHODOLOGY



Waste Type	Collection Frequency	Vehicle Type
Wet Waste	Daily	Compactor
Dry Waste	Twice or Thrice Weekly (Based on Requirement)	Compactor / BOV (Battery Operated Vehicle)
Hazardous & Napkin	Daily for Napkins / Weekly for Hazardous	BOV
Garden Waste	Daily / Requirement / On-Demand	2T / Hook Loader
Bulky Waste	On-Demand	2T Truck

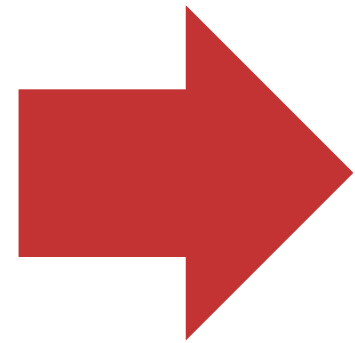
# DESIGNATED HANDOVER POINT (GATE / INSIDE PREMISES)



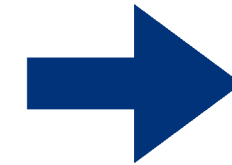


# COLLECTION SCHEDULE & TIME WINDOW

## BOV Collection



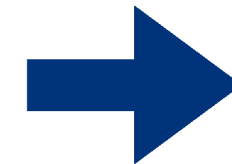
**A - SHIFT**



**6:00 AM - 02:00 PM**



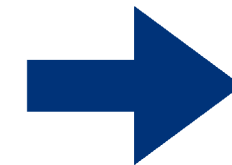
**B - SHIFT**



**2:00 PM - 10:00 PM**



**C - SHIFT**

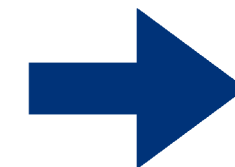


**10:00 PM - 6:00 AM**

## Compactor Collection



**C - SHIFT**



**10:00 PM - 5:00 AM**

# BIN MAINTENANCE

- **The Bulk waste generators will be responsible for washing and maintenance of bins**
- Bins to be placed in Flat surfaces
- Wheels and other damages to be repaired by the BWGs
- Ensure leakages are avoided by proper segregation





# GUIDELINES FOR RESPONSIBLE WASTE DISPOSAL



- Segregate daily at source – wet, dry, sanitary and domestic hazardous waste
- **Pack hazardous waste safely:**
  - Wrap syringes, medicines, broken glass and ceramics in paper before disposal
- **Pack sanitary waste separately:**
  - Wrap in paper bag/cover before placing in the black bag
- **Clean recyclables:**
  - Wash containers and empty liquids before disposal
- Flatten cartons & paper before placing in the dry waste bin





# WHY SEGREGATION MATTERS ?

- Segregation enables recycling and composting, reducing landfill burden and pollution
- Improper disposal leads to drain blockages and flooding
- It protects sanitation workers





# GARDEN WASTE COLLECTION PLAN

இலை மற்றும் தோட்ட கழிவுகள்  
GARDEN WASTE



Branches, Leaves, Grass and Fallen trees



GARDEN WASTE WILL BE  
COLLECTED ON-DEMAND

- **Segregate Daily:** At household level, garden waste to be kept inside the gate
- **Disposal process:** Inform when you trim, keep leaves separately
- Follow separate collection guidelines by contacting the **toll free number 1800 571 2069 / 1913/ Namma Chennai App**



# NON-PERMISSIBLE WASTE DISPOSAL PRACTICES



- Don't Mix Waste
- Don't Burn Waste
- Don't dump garden waste at community bins or platforms
- Do not dispose of broken bottles without wrapping
- Do not request workers to clear spillage inside premises
- Do not request Battery Operated Vehicles (BOVs) to take garden waste; follow the specific helpline procedure instead.



# ITEMS NOT ACCEPTED FROM BWG



**Construction Debris**



**Biomedical Waste**



# MISSED PICKUP / COMPLAINT RESOLUTION PROCESS



## DO'S



**CONTACT ONLY  
THE SUPERVISOR**



**TOLL FREE NUMBER  
1800 571 2069 / 1913**



**NAMMA CHENNAI APP**

## DON'TS



**DO NOT DUMP YOUR GARBAGE  
IN COMMUNITY BINS**



**DON'T CREATE GARBAGE  
VULNERABLE POINTS OR  
HOTSPOTS NEAR PAVEMENTS**



**DO NOT BRIBE OUR WORKERS**



**DON'T DUMP CONSTRUCTION  
DEBRIS ESPECIALLY TOILET  
COMMUNES NEAR OUR  
COMMUNITY BINS OR  
PAVEMENTS**



# LEGAL IMPLICATIONS

- **PENALTY:** Rs 5000 for Not Segregating and for Not Disposing Bulk waste as per rules
- **Asset Liability:** Mandate sign-offs from the Legal Team regarding bin liability and custodian responsibilities.
- **Enforcement:** Ensure clear communication of legal consequences for non-compliance.



**PENALTY: ₹5000**  
For Not Segregating and for Not Disposing Bulk waste as per rules.

**ASSET LIABILITY**  
Mandate sign-offs from the Legal Team regarding bin liability and custodian responsibilities.

**ENFORCEMENT**  
Ensure clear communication of legal consequences for non-compliance.

# SUPPORT, SAFETY & COMPLIANCE

- Inform the supervisor about major Events, Bulk-waste Clean-up, Large Cartons
- IEC can give awareness before the event on waste disposal process
- Help the workers to empty bin if required
- Don't ask the conservancy workers to clean your litters or bin areas





# Thank you.

