



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

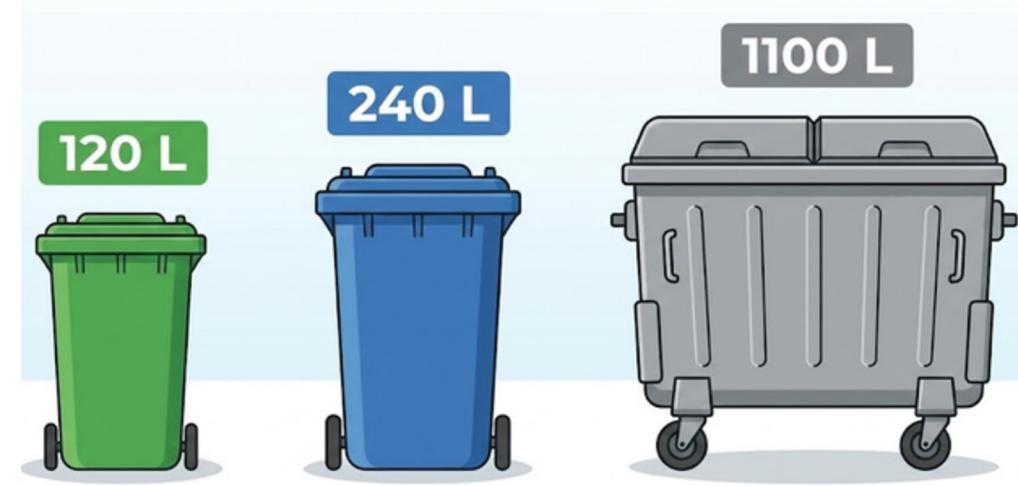
Now

- 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

மக்காது குப்பை DRY WASTE



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

வீட்டின் அபாயகரமான குப்பை DOMESTIC HAZARDOUS WASTE

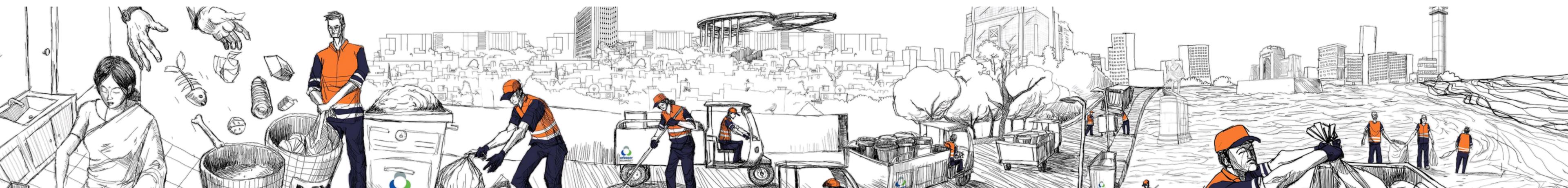


Medical Waste - Medicine syrup bottle
Tablet strips / Needles / Insulin strips / Band-Aids
Oil Cans / Tins / Adhesives / Paints
Cleaning Liquid bottles / Aerosol Cans
Batteries / Bulbs / Wires / PVC toys

சானிடரி கழிவுகள் SANITARY WASTE

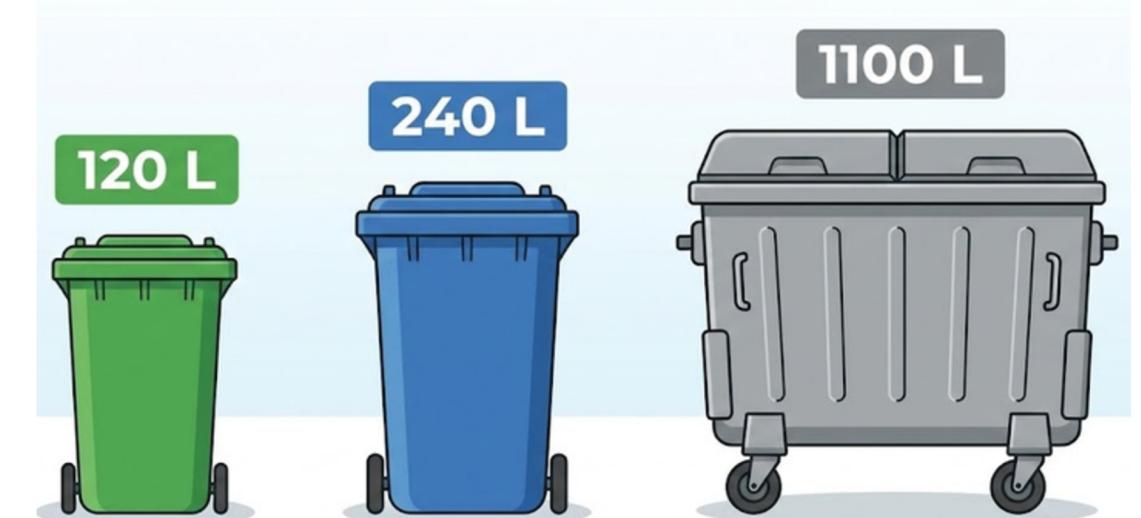


Used Diapers, Napkins, Tampons, Sanitary
pads and Hygiene products



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 biodegradable covers inside the separate bins



COLOUR CODED COVERS FOR DISPOSAL

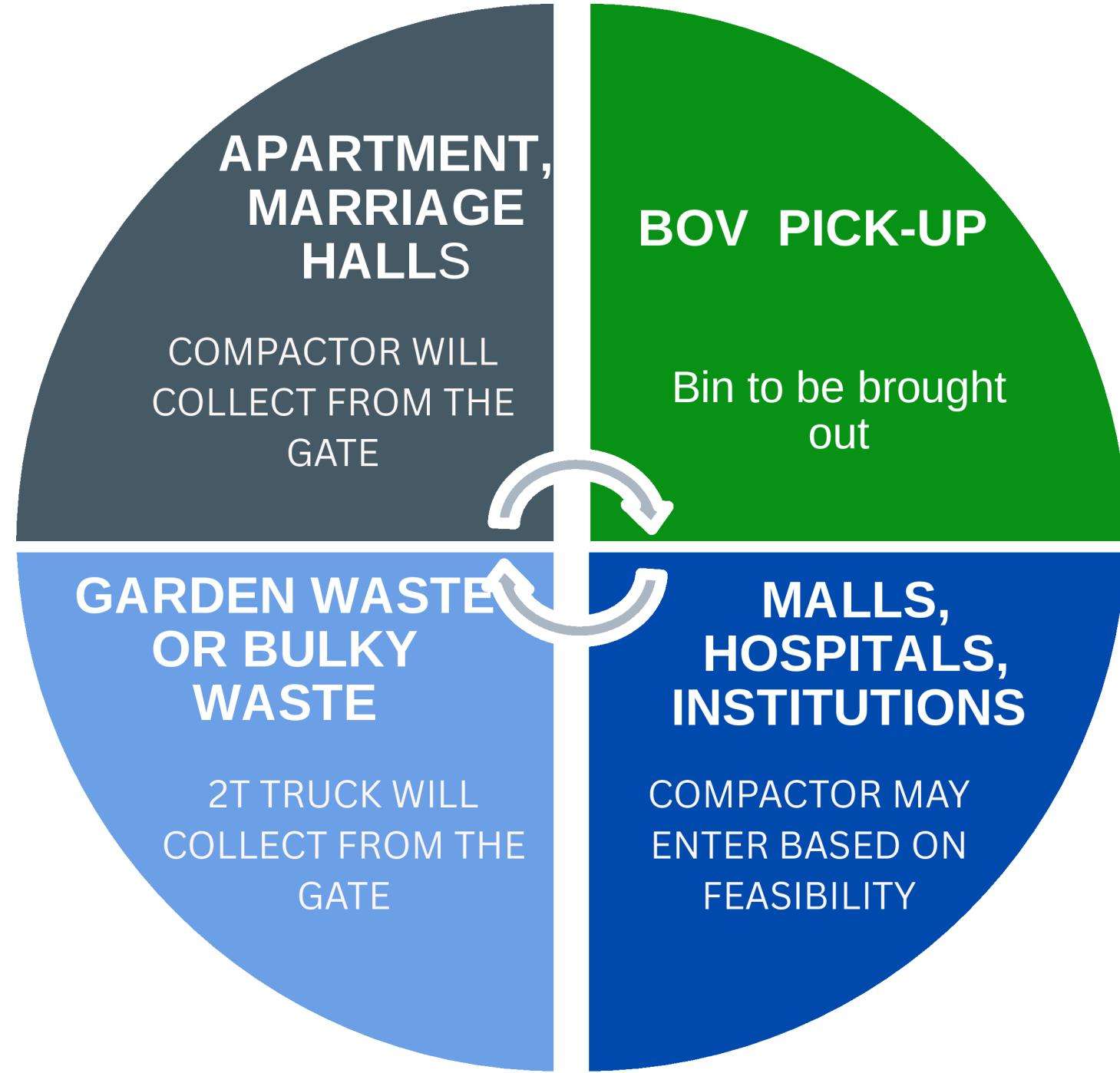


Green for
Wet waste



Black for Dry waste/ Domestic
Hazardous waste/ Sanitary waste

DESIGNATED HANDOVER POINT (GATE / INSIDE PREMISES)

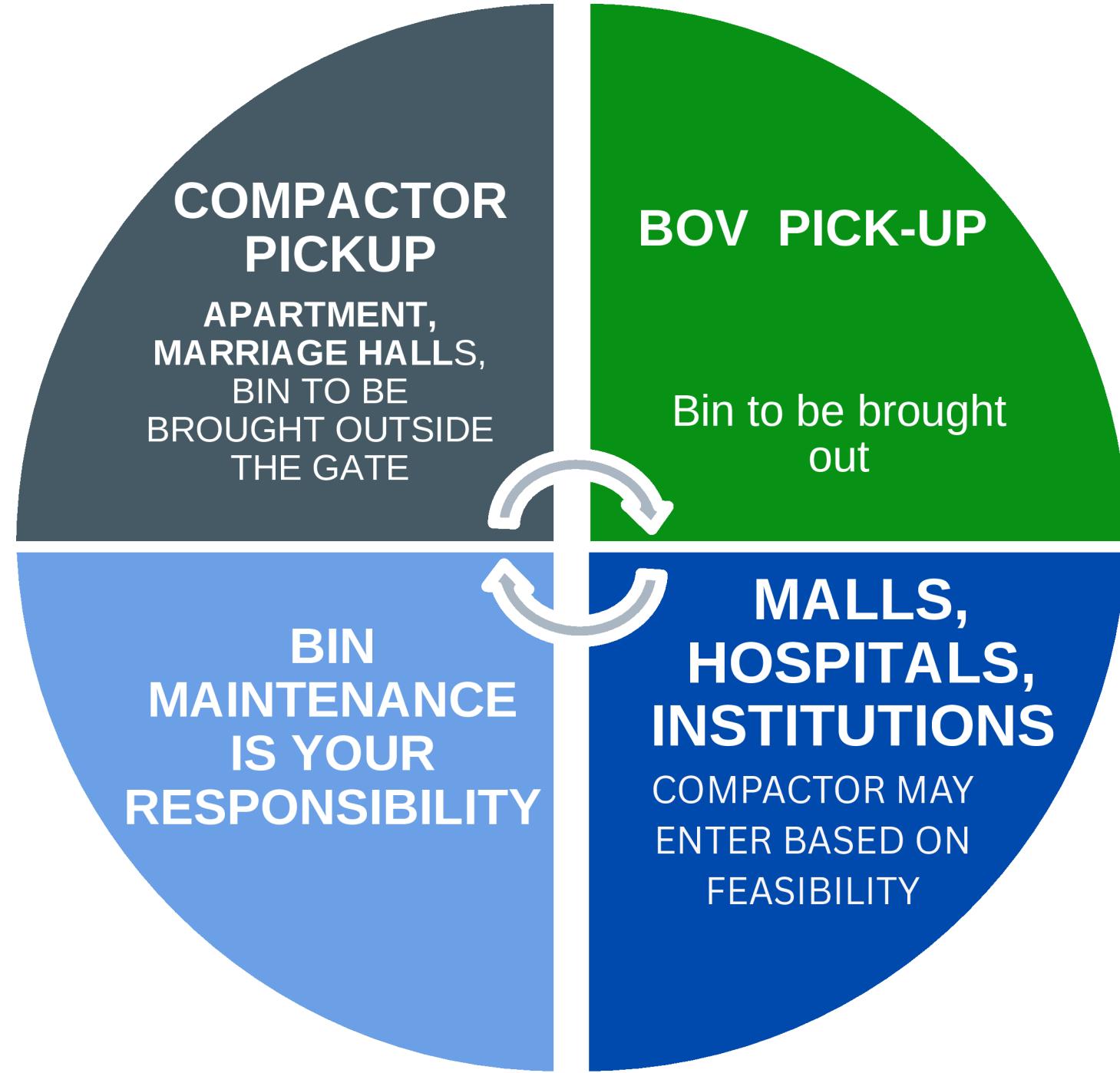


OPERATION METHODOLOGY



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

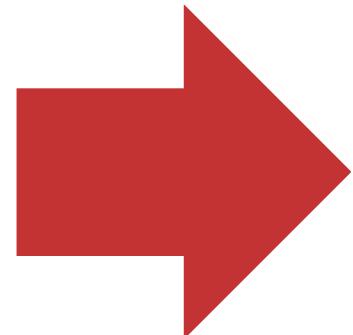
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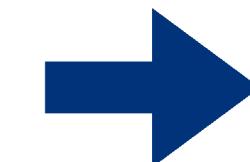
COLLECTION SCHEDULE & TIME WINDOW



BOV Collection



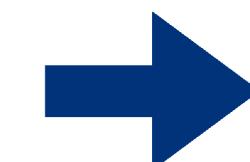
A - SHIFT



6:00 AM - 02:00 PM



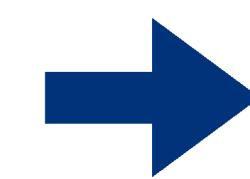
B - SHIFT



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



Before



After

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
COMMODES 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.



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.

