

ÖZKARTALLAR CAMPAK JOINT VENTURE

Sikandriya workshop 2



Solid Waste Management Plan For Babu Sabu (UC-90)

By

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Özkartallar Campak Joint Venture
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1. Facts

SR.N	Description	
1	Phase	B
2	UC	90 – Babu Sabu
3	Area Deputy Manager	Muhammad Noman
4	Zonal Officer LWMC	Muzammil Butt
5	Population	52099
6	UC Area	2103015 m ² (middle income)
7	Waste Generation (estimated)	33.86 Tons/day

2. Operational Arrangements / Resources Deployed

2.1 1st Shift Arrangement – 6 AM to 2 PM

Manual Sweeping		
Sanitary Supervisors	2	
Sanitary Workers	41	
Wheelie Bins	5	
Hand Carts	38	
Special Gang		
Sanitary Workers	17	
Sanitary Supervisor	1	
Note: Special Gang solely on Deputy manager / ZO's disposal to attend important complaints and to work for absent workers beats of the day		
Containers Collection		
Containers Placed	44	1 trip, approx. 8 to 10 tons each
Containers Points	17	
Compactors	C13-1035	
Drivers	1	
Helpers	2	
D-T-D Collection		
Mini Dumpers – Suzuki Pickup	1	MD-16
Driver	1	
Helper	1	
Note: Compactor also collecting waste if waste bags found on road or in front of home or shop		

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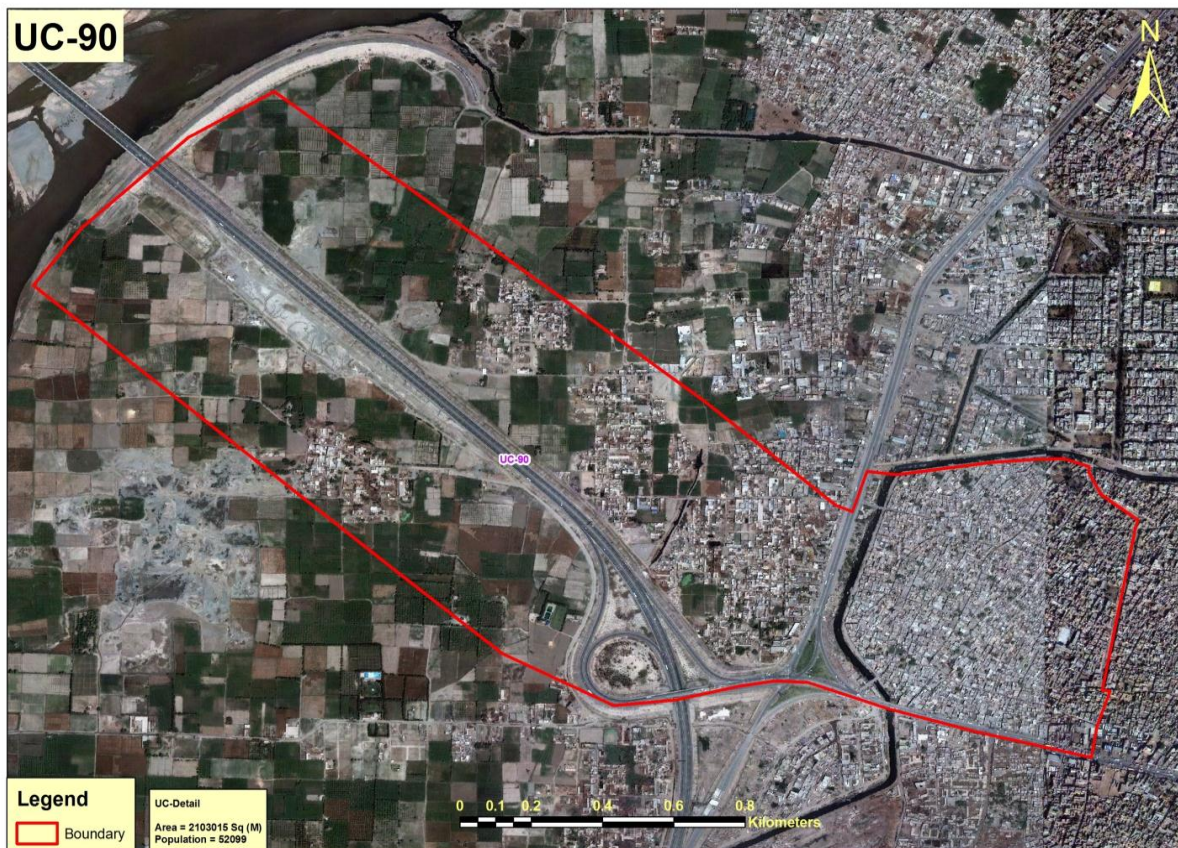
2.2 2nd Shift Arrangement - 2 PM to 10 PM

Manual Sweeping - Special Gang		
Shift In-charge	1	
Sanitary Workers	28	
Note: for taking care of whole Zone-18, attending major roads, markets, 1139 complaints and to coordinate compactors and ensure containers collection.		
Containers Collection		
Compactors	1	C-1112, 1 trip (approx. 8 to 10 tons)
Note: attending 3 UC's 88, 89 & 90		

3 Introduction

Union Council – 90 (Babu Sabu) is located in Samanabad Town. Total area of the UC is 2103015 m² with population of 52099. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 90



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4 Solid Waste Generation

Estimated solid waste generation is 33.86 tons per day @ waste generation rate of 0.65 kg/person/day.

5 Solid Waste Management Practices

This area is under control of M/s. OZPak J.V for solid waste management. Existing arrangements for SWM based upon actual operations are as follows:

6 Street Sweeping and Waste Collection by Sanitary Workers

6.1 Team Division

Teams are divided according to equivalent sweeping length of the area.

- Solid waste is collected by sanitary workers from streets & households and hauled to container by wheelie bins / hand carts.
- Waste bags also used for roads sweeping

7 Solid Waste Storage

7.1 Waste Storage Facility

- Currently 44 waste storage containers are placed at 17 different points.
- Storage capacity is 11 tons in one time lifting
- Lifting is operational in 2 time

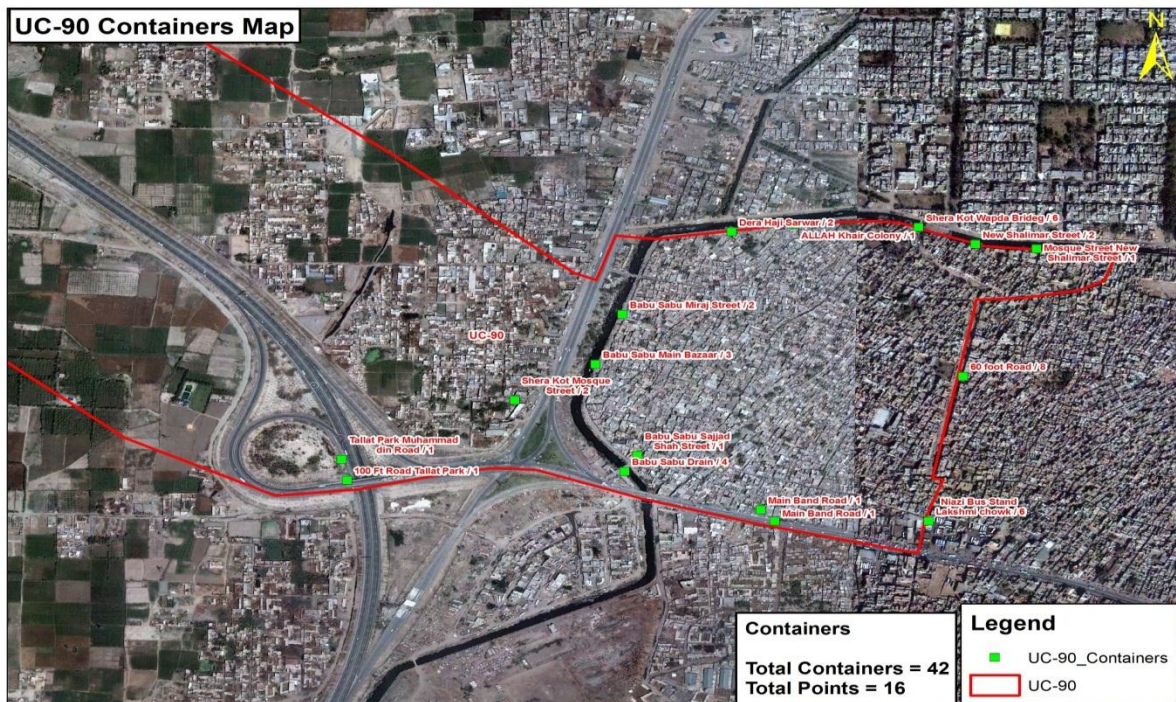
7.2 Existing Points of Containers

Sr. No.	Container Location	No. of Containers
1	Babu sabu pull	4
2	Sajjad Shah street nallah road	1
3	Meraaj kund street nallah road	3
4	Floor mill nallah road	1

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5	Dera haji sarwer nallah road	2
6	Allah khair colony	1
7	Shera kot pul wapda road	4
8	Sheikh nizam ud deen street new Shalimar road	2
9	Masjid wali gali bhatti street new Shalimar road	1
10	60 feet road, st. merry school	9
11	Niazi ada Lakshmi chowk	6
12	Rasheed Street main band road	1
13	Lawa street main band road	1
14	Shaheen abad masjid wali gali	2
15	Muhammad deen road, Talet park	2
16	100 feet road, Talet park, near dr. faisal	2
17	Budh bazar, 100 feet road, talet park	2
	Total containers	44

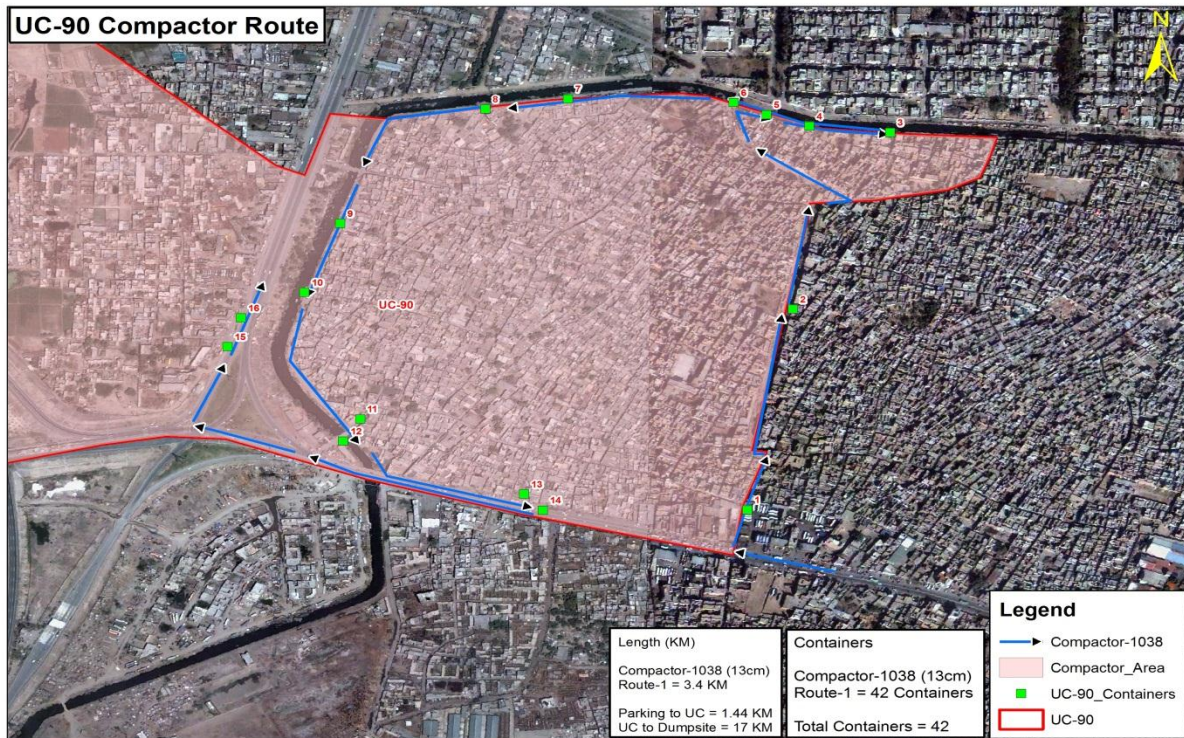
Existing Points of Containers



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8 Solid Waste Collection & Transportation

8.1 Route for Compactor



8.2 Staff Deployment for Compactor Vehicle

Conservancy Staff Zone-18														
Muhammad Noman (0300-5001056)														
Supervisor = Ijaz-u-Din (0321-4243018 , 0312-7557534)				Supervisor = Ali			Supervisor =							
1st shift				2nd shift			3rd shift							
UC	Compactor	Driver Name & Mobile	Helpers	Vehicle No.	Driver Name & Mobile	Helpers	Vehicle No.	Name of Driver & Mobile	Helpers					
84	1017	Qaiser Masih (03014141911)	Riaz	1021 All Uc's	Ishfaq	Aslam								
			Rafique			Nazir								
87	1046	M. Yousaf (0321-4563896)	Khawar								Nadeem			
			Shamoon											
	1059	Javed (0324-4706079)	Safdar											
			Arif											

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88	1112	Imanual (0306-6049554)	Bashir	1112 All Uc's	Chana Masih (0324-4929902)	Nil
			Arif			
89	1038	Malik Murtaza (0333-4800363)	Naeem			
			Imran			
90	1035	Irfan Sultan (03224133648)	Robin			
			Karamat			
91	1106	M. Tufail (0300-8134441)	Yousaf	1130 All Uc's	Asad Sindho (03134429902)	Nil
			Latit			
92	1022	Akbar (0300-4287854)	Abbas			
			Sharfat			
All UC's Main Roads	1130	Tariq Ali	James	1093	Imran Altaf	Riaz
			Allaudin			
	1070	Francies (0323-4719055)	Rafiuqe			
			Pervaiz			
Extra Vehicles	1093					Jeera Jalal
	1021					
Extra Drivers	Shafiq Tahir		Extra Drivers	SunnyAnwar		
	Asif Munir					

9 Door To Door Waste Collection

9.1 System for D-T-D Waste Collection

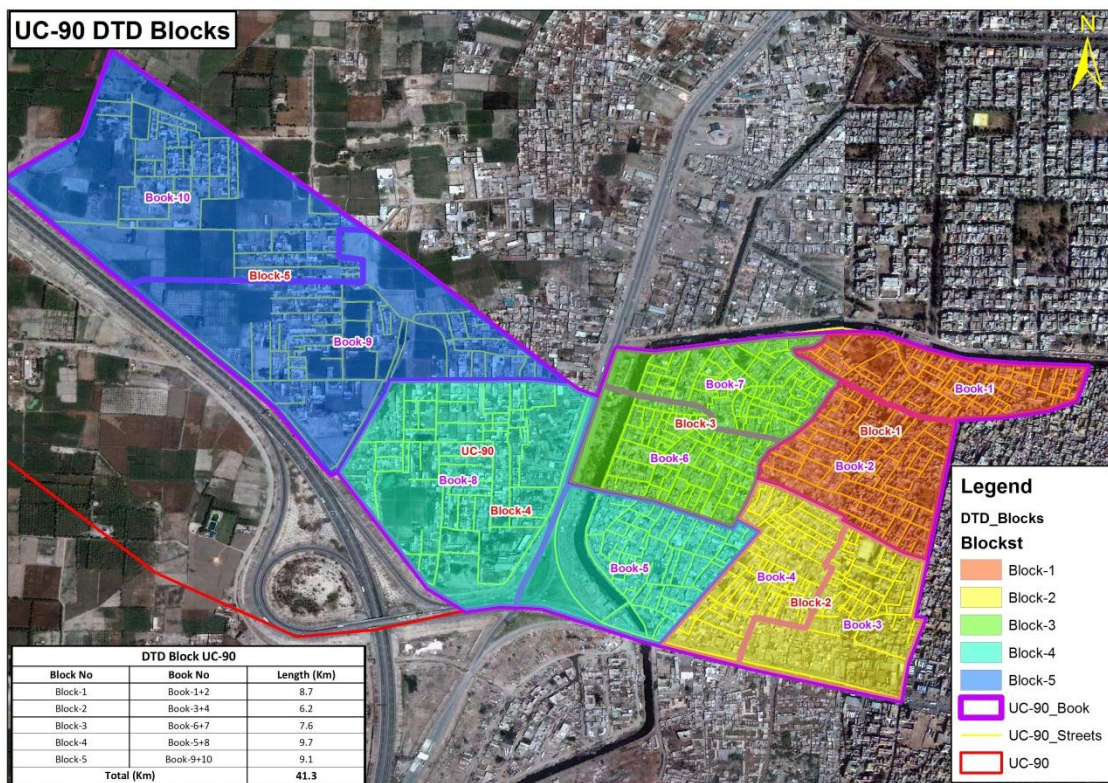
- 1 Pickup for door to door waste collection
- Waste collected by pickup will be unloaded into nearby Compactor or transfer station.
- Compactors are also collecting waste if found in waste bags on road or in front of home or shop

Block	Major Areas/ Mohalla's	Timings
Block 1	Ganda Nallah	6:00 am to 8:00 am
	60 feet road	

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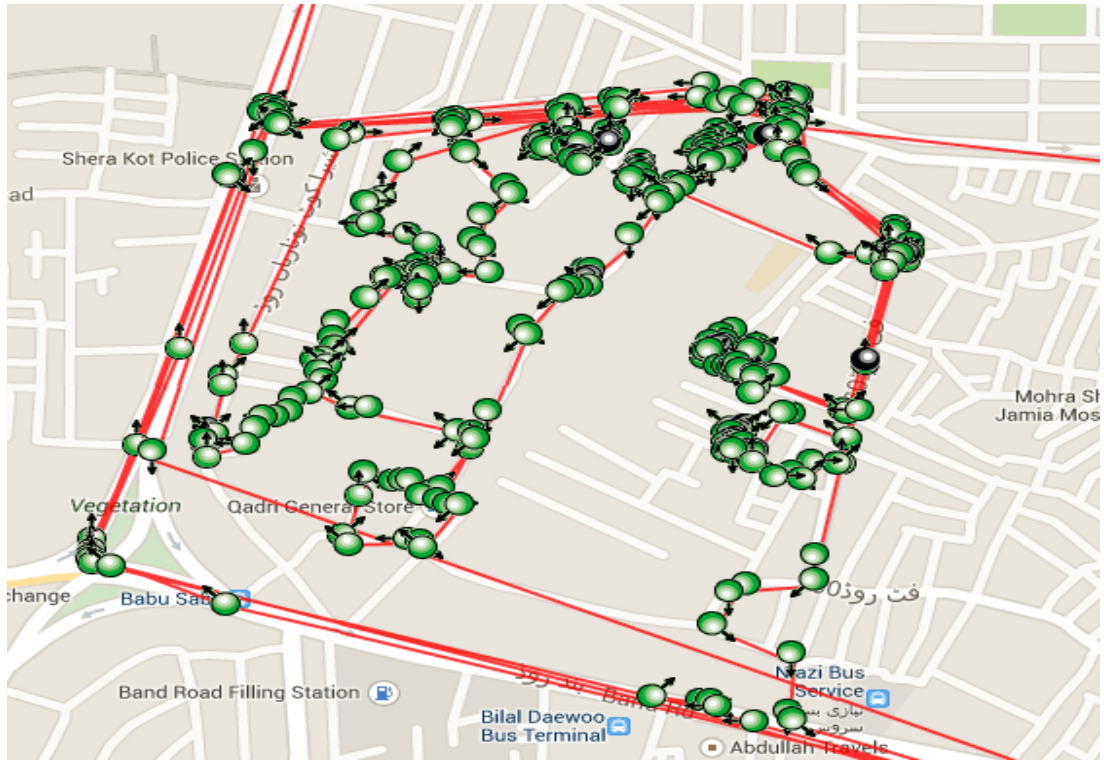
	Sherakot pull	
	Graveyard	
Block 2	60 feet road	8:00 am to 11:00 am
	Christen schools	
	Band road	
Block 3	Ganda Nallah	11:00 am to 12:00 pm
	Sherakot police station	
	Sherakot	
Block 4	Band road	12:00 pm to 1:00 pm
	Ganda Nallah	
	Babu sabu	
Block 5	Shaheenabad	1:00 pm to 2:00 pm
	Tallet park	
	100 feet road	

DTD Blocks Map

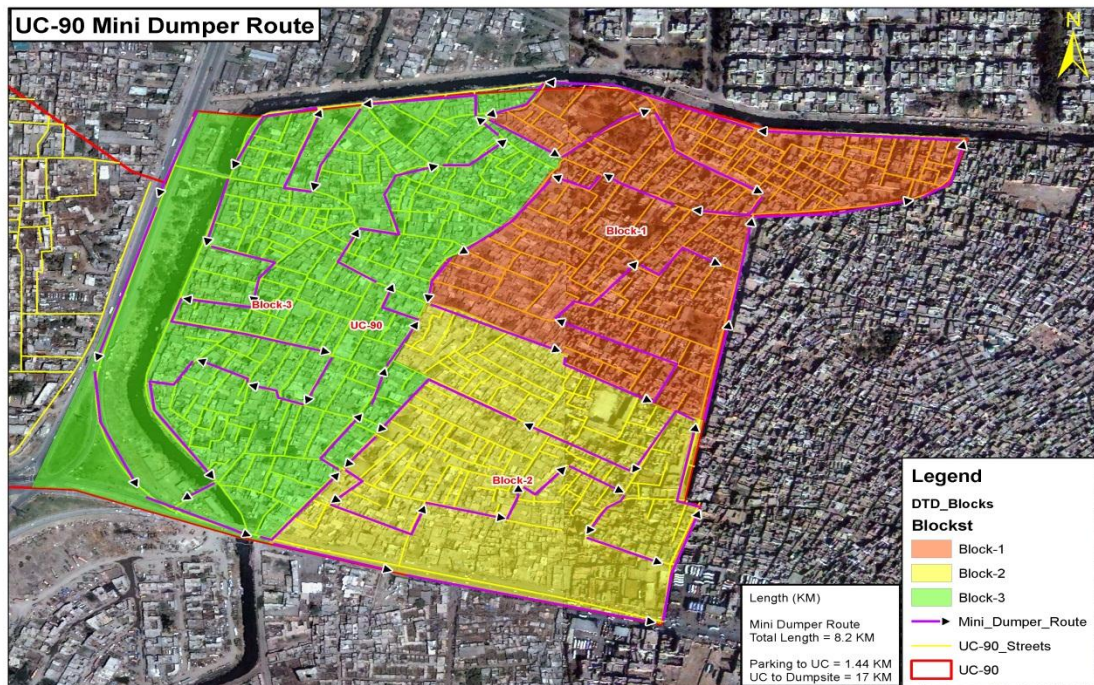


DTD ROUTE MAP

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Mini Dumper Route Map



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10 2nd Shift Operational Arrangement

Manual Sweeping - Special Gang		
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Note: for taking care of whole Zone-18, attending major roads, markets, 1139 complaints and to coordinate compactors and ensure containers collection.		
Containers Collection		
Compactors	1	C-1112, 2 trip (approx. 8 to 10 tons)
Note: attending 3 UC's 88, 89 & 90		

Major Areas

- Sherakot
- 60 feet road
- Ganda Nallah
- Truck adda
- Shaheenabad

11 Problematic Areas

Truck adda

Truck adda is one of main problematic area of UC 90.

Observations:

- Heavy traffic
- WASA sludge
- Soil due to soil containing trollies

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Recommendations:

- Proper lifting of open waste heaps.
- Use of garbage bags for soil.
- Proper sweeping and scrapping on daily basis

12 Open Plots:

Almost in all UC's of zone open plots are exist. These open plots are major hurdle in cleaning operation. To maintain the cleaning of open plots is quiet hard because of the immature attitude of residence and walking people (non-residence).

Solid waste types:

Different solid waste types are observed in these open plots.

- Inorganic
- Organic
- C & D waste
- Green Waste

Measurements:

To maintain the cleaning of open plots an operational strategy has been developed and also door to door waste collection has been focused more to make open plots cleaning operation more effective.

Group activity:

15-20 people group activity has arranged on regular basis to cover-up the cleaning of open plots.... Machinery is also used to clean up where an open plot cannot be handled with manual sweeping.

13 Public Awareness

- Distribution of leaflets along-with bags distribution has been done as per contract.
- Announcement of waste collection when pickup will move in the area
- Involvement of public representatives in mass awareness campaign