

ÖZKARTALLAR CAMPAK JOINT VENTURE

Sikandriya workshop 2



**Solid Waste Management
Plan For
Abubakar Siddique Colony
(UC-84)**

By

Muhammad Noman

Deputy Manager Operations

**Özkartallar Campak Joint Venture
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Contents

.....	0
1. Facts	2
2. Operational Arrangements / Resources Deployed	2
2.1 1 st Shift Arrangement – 6 AM to 2 PM.....	2
2.2 2 nd Shift Arrangement - 2 PM to 10 PM.....	2
3 Introduction	Error! Bookmark not defined.
4 Solid Waste Generation	Error! Bookmark not defined.
5 Solid Waste Management Practices	Error! Bookmark not defined.
6 Street Sweeping and Waste Collection by Sanitary Workers	Error! Bookmark not defined.
6.1 Team Division	Error! Bookmark not defined.
7 Solid Waste Storage	Error! Bookmark not defined.
7.1 Waste Storage Facility.....	Error! Bookmark not defined.
7.2 Existing Points of Containers.....	4
Existing Points of Containers	5
8 Solid Waste Collection & Transportation	6
8.1 Route for Compactor	6
8.2 Staff Deployment for Compactor Vehicle	6
9 Door To Door Waste Collection	7
9.1 System for D-T-D Waste Collection	7
10 2nd Shift Operational Arrangement	10
11 Problematic Areas	10
12 Open plots	12
13 Public Awareness	14

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1. Facts

SR.N	Description	
1	Phase	B
2	UC	84 –Abubakar Siddique colony
3	Area Deputy Manager	Muhammad Noman
4	Zonal Officer LWMC	Jahanzaib Bhatti
5	Population	56236
6	UC Area	3242809m ² (middle income)
7	Waste Generation (estimated)	36.55 tons/day

2. Operational Arrangements / Resources Deployed

2.1 1st Shift Arrangement – 6 AM to 2 PM

Manual Sweeping		
Sanitary Supervisors	2	
Sanitary Workers	48	
Wheelie Bins	02	
Hand Carts	23	
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	41	
Containers Points	17	
Compactors	C13-1017	1 trip, approx. 8 to 10 tons
Drivers	1	
Helpers	2	
D-T-D Collection		
Mini Dumpers – Suzuki Pickup	1	
Driver	1	MD-39
Helper	1	
Note: Compactor also collecting waste if waste bags found on road or in front of home or shop		

2.2 2nd Shift Arrangement - 2 PM to 10 PM

Manual Sweeping - Special Gang		
Shift In-charge	1	
Sanitary Workers	28	

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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

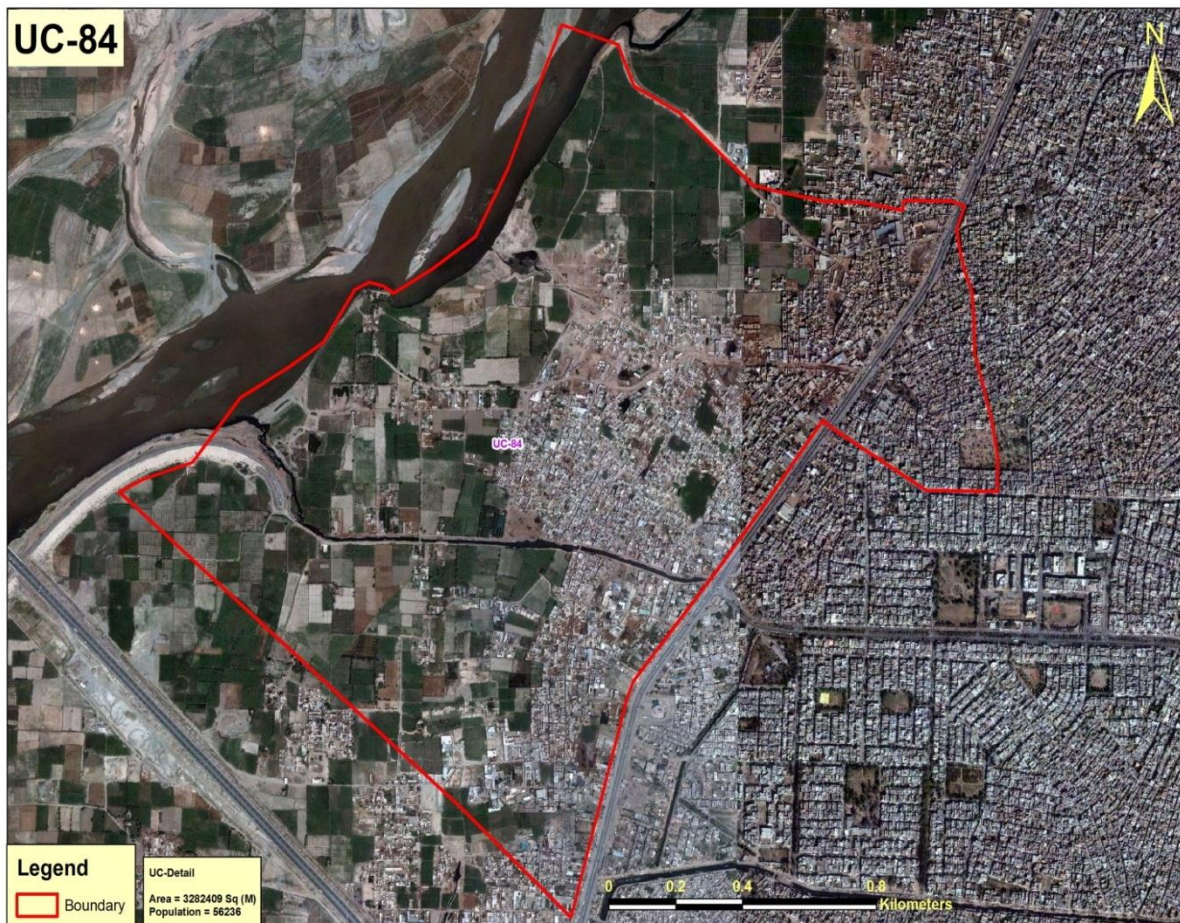
C-1021, 1 trip (approx. 8 to 10 tons)

Note: attending 2 UC's 84 & 87

3 Introduction

Union Council – 84 (Abubakar Siddique Colony) is located in Samanabad Town. Total area of the UC is 3242809m² with population of 56236. This area is predominantly lower middle income area with unplanned settlement and rural area (River Side).

Figure 1: Map of UC 84



4 Solid Waste Generation

Estimated solid waste generation is 36.5 tons per day @ waste generation rate of 0.65 kg/person/day.

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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 41 waste storage containers are placed at 17 different points.
- Storage capacity is 10 tons in one time lifting
- Lifting is operational in 1 time

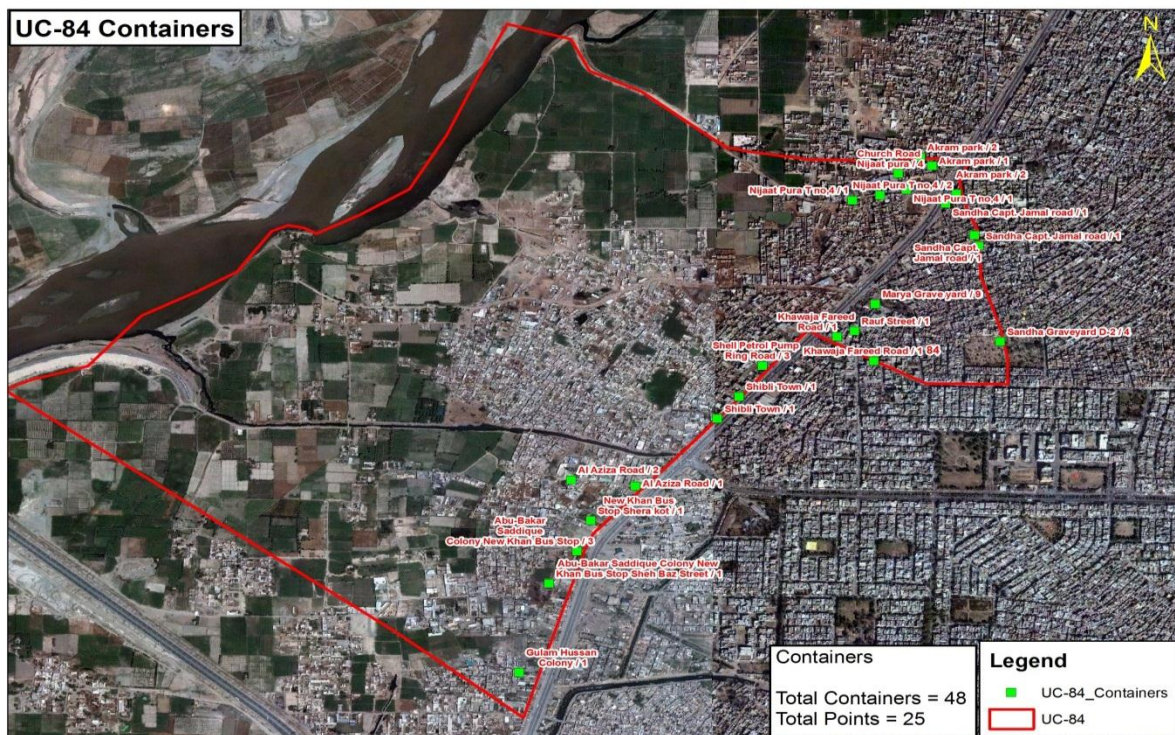
7.2 Existing Points of Containers

Sr. No.	Container Location	No. of Containers
1	Sandah ghati capt. Jamal road	1
2	Moay vali Gali	2
3	Bhateyan vali gali	1
4	Bilal Chowk	1
5	D-2 Graveyard Gulshan-e-Ravi	4
6	Khwaja Fareed Road, near Malik Polha bricks, gulshan-e-Ravi	1
7	Khwaja Fareed Road, Ghati gulshan-e-ravi	1
8	Aysha can factory gulshan-e-ravi	1
9	Mareyan graveyard	6

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10	Khokha stop Akram park	5
11	Church najaat pura	4
12	Najaat pura T # 4	3
13	Main bazaar shibli town	3
14	Gali ch. Arif jut, shibli town	1
15	Abu baker Siddique colony	2
16	Alazeza road, near malik zeeshan office	3
17	Ghulam hussain colony opposite sherakot	2
	Total containers	41

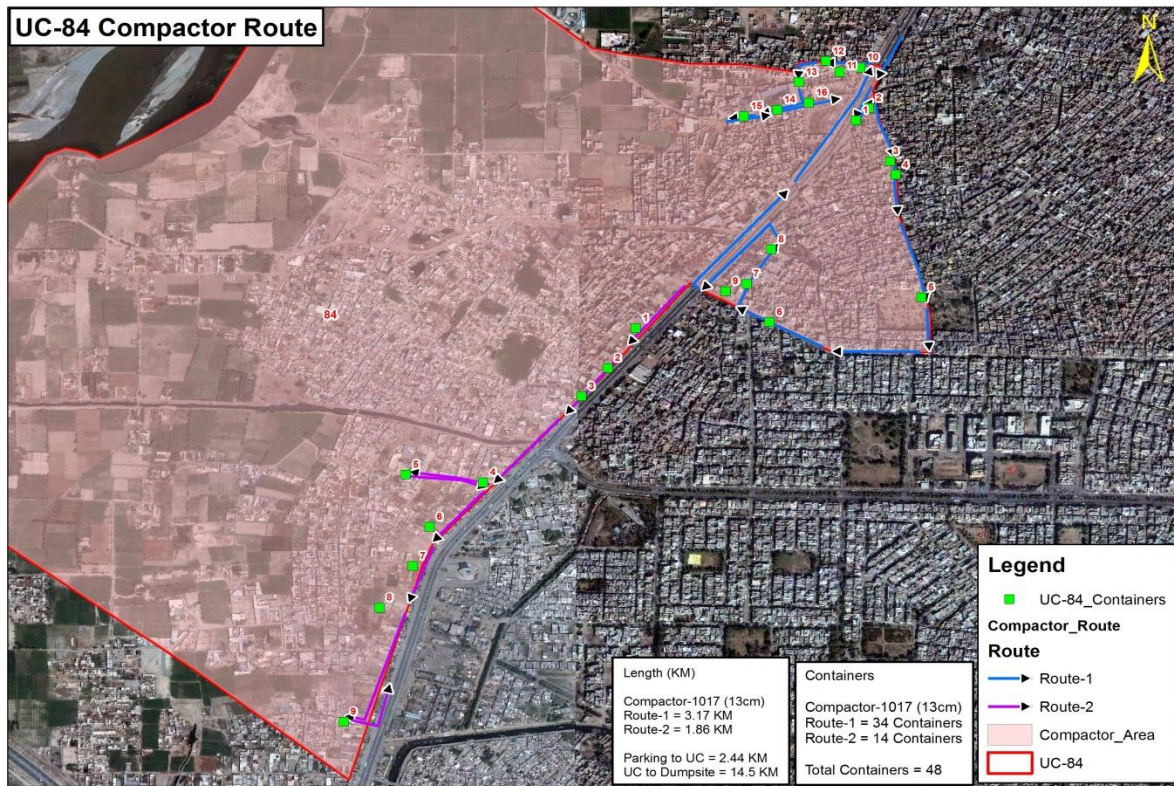
Existing Points of Containers



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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 Rafique	1021 All Uc's	Ishfaq	Aslam			
87	1046	M. Yousaf (0321-4563896)	Khawar Shamoon			Nazir			
	1059	Javed (0324-4706079)	Safdar Arif			Nadeem			

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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

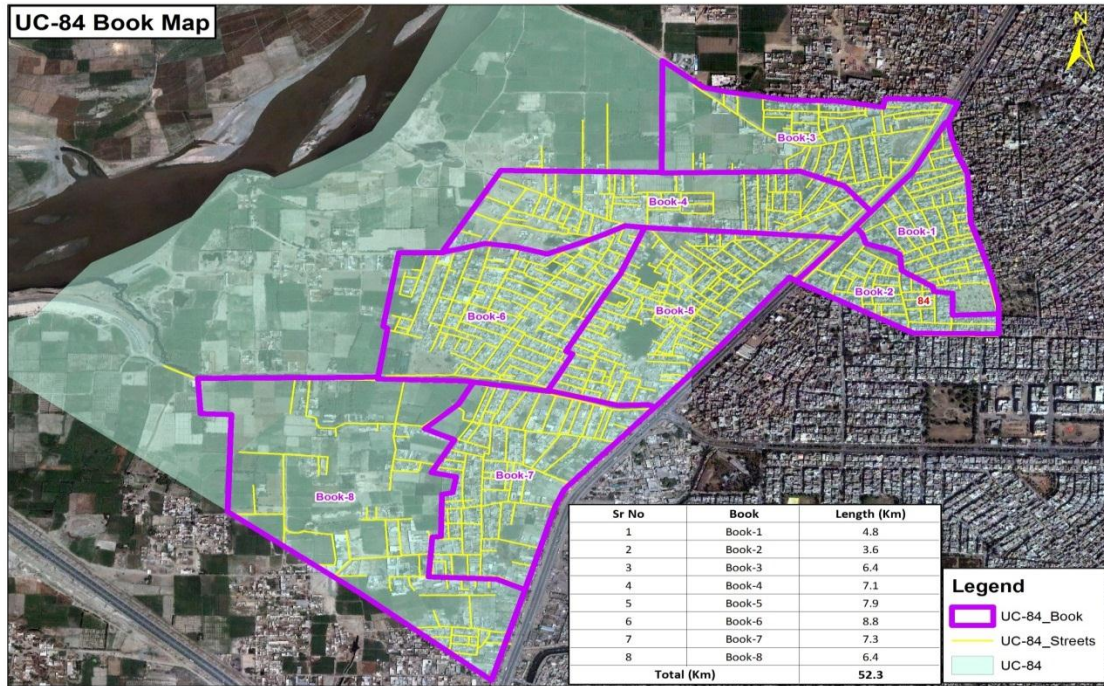
9.1 System for D-T-D Waste Collection

- 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

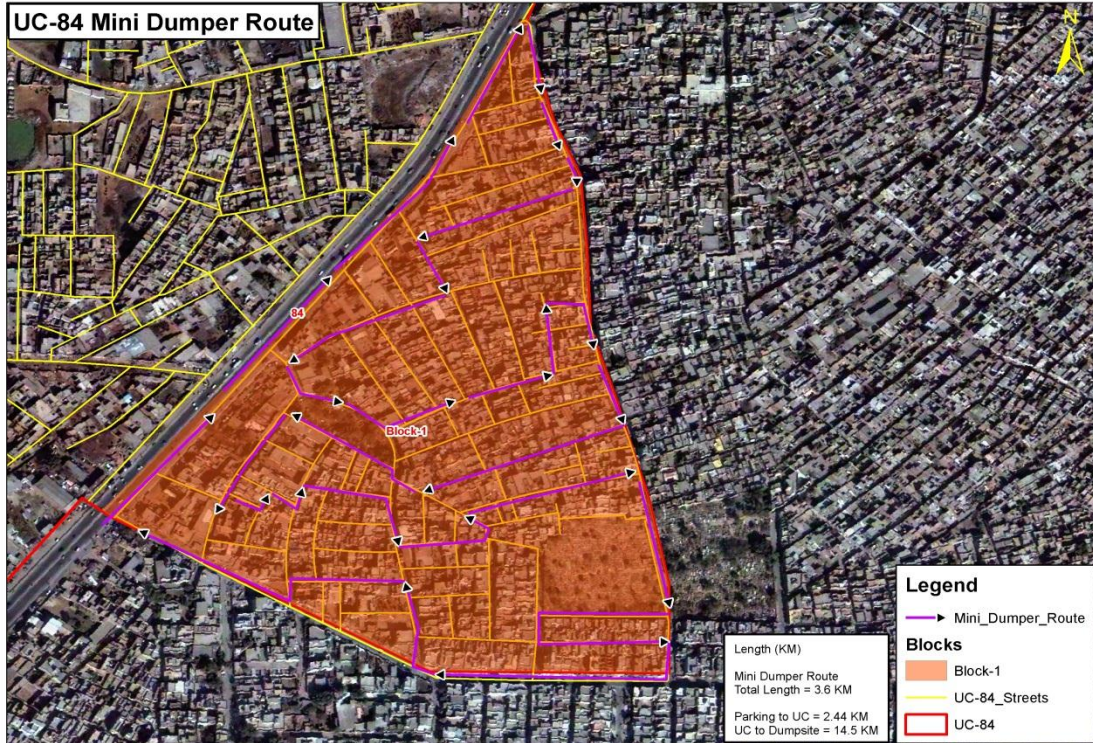
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Block	Major Areas/ Mohalla's	Timings
Block 1	Captain jamal Road	6:00 am to 8:00 am
	Khawaja Fareed Road	
	Workshops Area	
	Mareyan	
Block 2	D 2 Graveyard	8:00 am to 11:00 am
	Bilal Chowk	
	Moay Vali gali	
Block 3	Akram Park	11:00 am to 12:00 pm
	Khokha Stop	
	T # 5	
Block 4	Najat pura	12:00 pm to 1:00 pm
	T # 4	
	Abu Baker Siddique colony	
Block 5	AlAzeeza road	1:00 pm to 2:00 pm
	Ghulam Hussain colony	

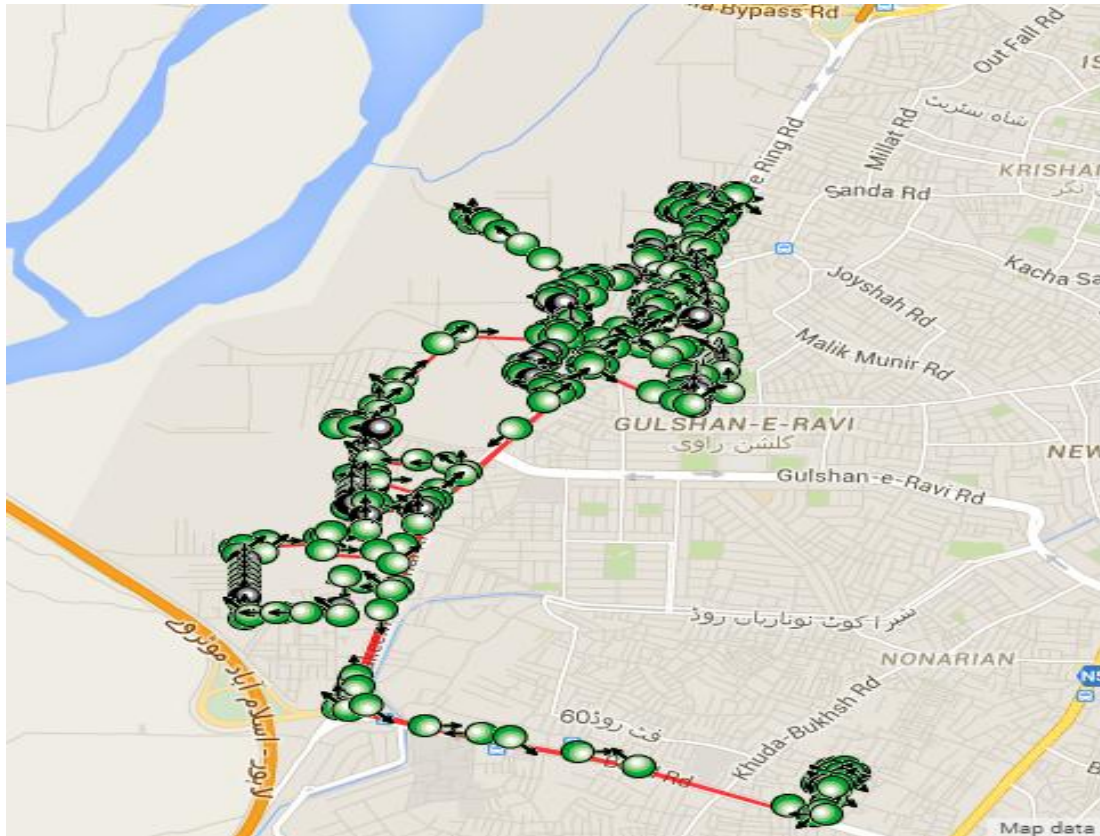
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 DTD Blocks Map



DTD ROUTE MAP



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Mini Dumper Route Map

10 2nd Shift Operational Arrangement

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-1021, 1 trip (approx. 8 to 10 tons)
Note: attending 2 UC's 84 & 87		

Major Areas

- Captain jamal road
- T # 5
- T # 4
- Khawaja fareed road
- Akram park

11 Problematic Areas

T # 5

T # 5 is one of main problematic area of UC 84.

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Observations:

- Animal waste.
- Solid waste around the area was observed.
- Open plots full of solid waste



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Recommendations:

- Loader dumper must be deployed at river side area for open plots clearance
- Gang activity should be accelerated to clean open heaps.

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
- Animal 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.

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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