

Chapter No. 06

Zone-16

UC-86

SANDHA KHURD



Table of Contents

1. Introduction 2

 1.1 Important Places of Union Council - 86..... 2

 1.2 Solid Waste Generation..... 3

 1.3 Particulars..... 4

2. Solid Waste Management Practices 4

3. Operational Activities - First Shift Plan 4

 3.1 Manual Sweeping Operation..... 4

 3.2 Manual Sweeping Operation Details..... 6

4. Solid Waste Collection Operation (Container Collection)..... 6

 4.1 Solid Waste Collection Operation (Container Collection) Details 7

 4.2 Compactor Vehicles Waste collection 7

 4.3 C-07-1139 Compactor Vehicle Route: 8

 4.4 C-07-1139 Compactor Vehicle Route: 8

 4.4 Location and Points of Containers 9

 4.5 Container locations on Map UC 86 10

 4.6 Group Working Plan after 11:00 am (Open Plots): 10

 4.7 Group Working Plan after 11:00 am (Areas):..... 11

5. Manual Sweeping Operation - Second Shift Plan 11

 5.2 Solid Waste Collection Operation (Container Collection) 11

 5.3 Solid Waste Collection Operation (Container Collection) Details 11

6. Manual Sweeping Operation - Third Shift Plan..... 11

 6.1 Solid Waste Collection Operation (Container Collection) 12

7. Compactor Vehicle Staff Deployment for Union Council 86..... 12

8. Door To Door Waste Collection 13

 8.1 Old System for D-T-D Waste Collection..... 13

 8.2 New System for D-T-D Waste Collection..... 13

 8.3 Door to Door Collection Plan for Mini Dumper 13

..... 13

 8.4 Door to Door Collection Details..... 14

 8.5 MD-35 Vehicle Route: 14

9. Special Gang..... 14

10. Public Awareness..... 15

11. Scope of Work (U.C Coordinator) 15

1. Introduction

Union Council – 86 (Sandha Kurd) is located in Data Gunj Baksh Town. Total area of the UC is 727112 m² with population of 64609¹. This area is predominantly middle income area with planned settlement.



Malik Munir Road UC 86



Mehar Din Road UC 86

Fig: 1. Pictorial View of Main Road UC-86

1.1 Important Places of Union Council - 86

From Sanitation point of view Union Council - 86 has important Places like Commercial Markets, Parks, Graveyard Important Roads, and Mosques etc.

Commercial Markets

- Joy shah road
- Mehar deen road
- Khawaja fareed road
- Hakimawala bazar

Graveyards

- Dhop Sari qabristan

Important Roads

- Khuwaja fareed road
- Malik muneer road
- Joye shah road
- Abdullah road
- Main bazar hakeeman wala

Mosques

- Jamai Masjid Miraj Deen (Jamoon wala khu)
 - Jamai Masjid Tibba Hajveri (Degree College Road)
 - Jamai Masjid Bilal (Yaseen Road)
-

- Jamai Masjid Farooq e Azam (Purana Dhobi Ghat)
- Jamai Masjid Hanfia Ghosia (Mali Pura)
- Jamai Masjid Ghosia (Galilli Charch)
- Jamai Masjid Kamal e Mustafa (Feroz Pura)
- Jamai Masjid Imam Ghosia (Main Ravi Road)

Open Plots

- Zubair road, rarhyun wala plot
- Raheem road, jhugyun wala plot
- Gali no. 7 shafi town
- Khwaja fareed road, anmol bakery
- Gali no. 4 arain colony
- Gulshan-e-ravi D-Block, Near residence Rana Yaqoob



Jamai Masjid Gulshan e Madina UC 86



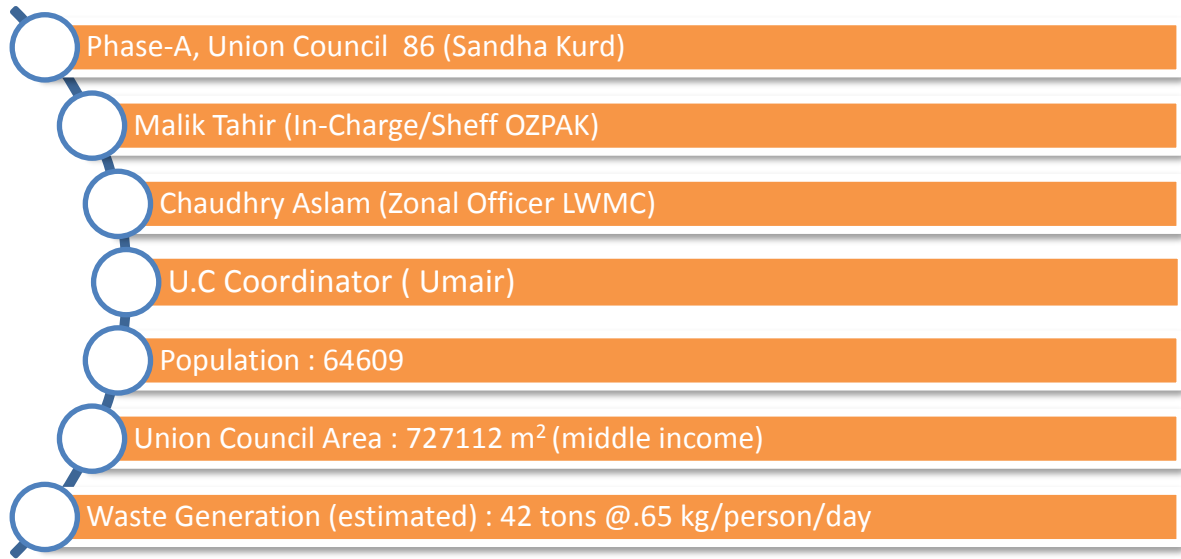
Tanvir Hospital UC 86

Fig: 2. Pictorial View of Some Important Places UC-86

1.2 Solid Waste Generation

Estimated solid waste generation is 42 tons per day @ waste generation rate of 0.65 kg/person/day.

1.3 Particulars



2. 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:

3. Operational Activities - First Shift Plan

3.1 Manual Sweeping Operation

Manual sweeping of the roads, streets, markets, footpaths and every paved and unpaved passageway is done with Sanitary Workers equipped with all necessary operational tools and PPE's (Personal protective equipment's)

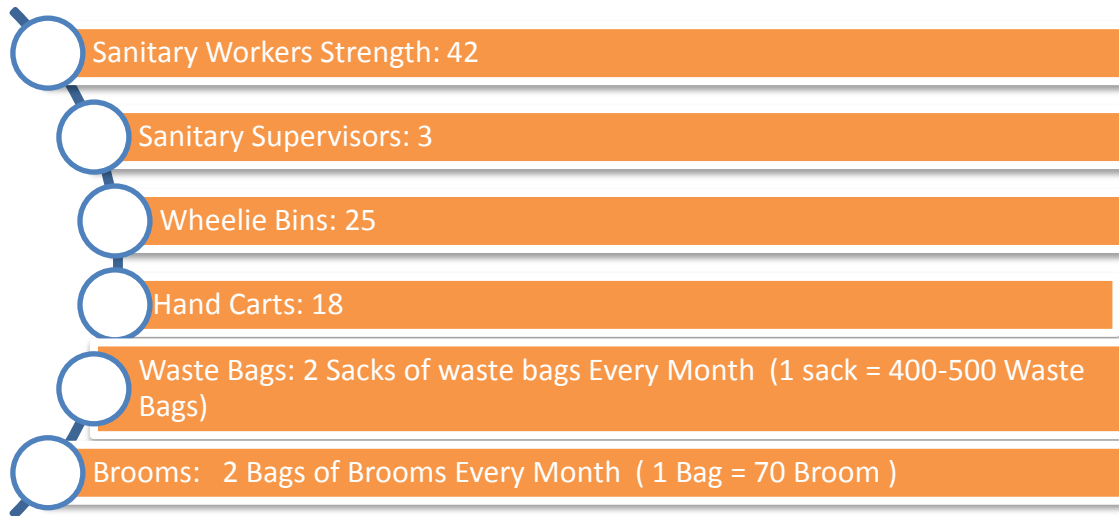
- ✓ Manual sweeping in first shift is carried out from 6AM to 2PM.
- ✓ Personal protective equipment's include Proper uniform, Gloves, Mask, Proper Shoes, Long Boots and Rain Coat in case of monsoon Season.
- ✓ Operational Requirement for Sanitary Worker includes Broom, Shovel, Wheelie Bin, Waste Bags, Scrapper and Hand Cart.



Fig: 3. Pictorial View of Operational Equipment's, PPE's & Monsoon SOP's for Sanitary Worker

- ✓ Sanitary Workers are managed by Sanitary Supervisors in Union Council and each sanitary worker has its own defined Beat (Area).
- ✓ During Manual Sweeping Operation in 1st Shift, Waste is also collected by sanitary workers from households i.e. collected from their house entrance.
- ✓ Waste Bags are also used by sanitary workers to collect the waste from the roads, streets and households which are then hauled through Wheelie bins and Hand carts to the waste containers.

3.2 Manual Sweeping Operation Details



4. Solid Waste Collection Operation (Container Collection)

Solid waste generated is stored in waste containers which are placed all over the Union Council. These waste containers are lifted by Hydraulic Compactor Vehicles moving in the union council on a specific route for the purpose of waste collection and dump the waste at temporary waste disposal station outfall workshop.

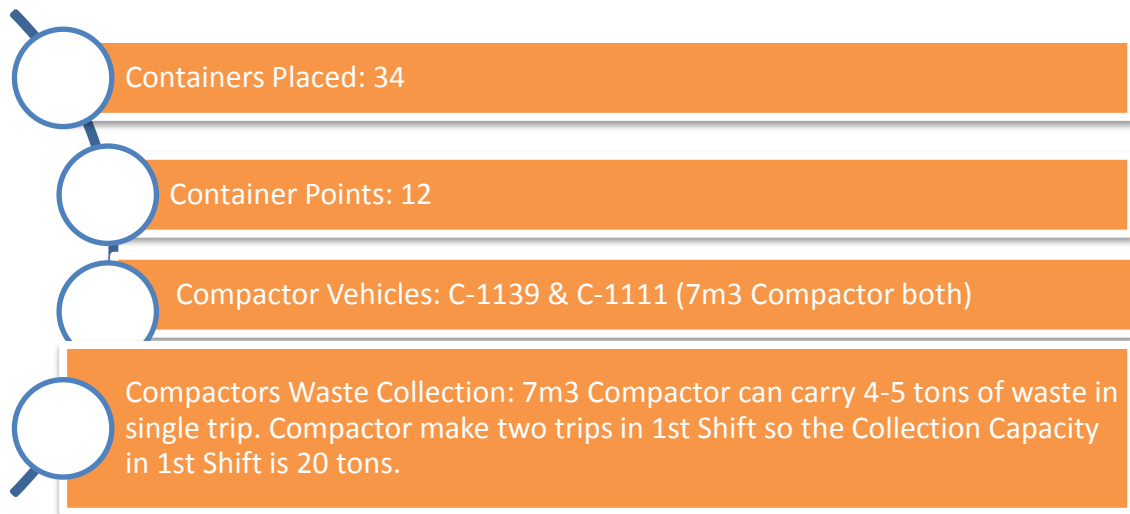
- ✓ Total 34 waste containers are in place in Union Council at 12 different Points.
- ✓ Total waste storage capacity in 26 containers is 8.50 tons in one time lifting.
- ✓ These Waste Containers are lifted by Hydraulic Compactor Vehicles having a Compaction Ratio of 1:3.
- ✓ One Big Compactors is deployed for waste collection in Union Council. Each compactor has two helpers equipped with all necessary operational tools and PPE's (Personal protective equipment's).
- ✓ Compactor's responsibility is to lift all the containers in its route during the shift and also to collect all open heaps from the roads and streets to maintain efficient cleanliness standards.

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Fig. 4. Pictorial View of Vehicles & Operational Equipment's for Helpers

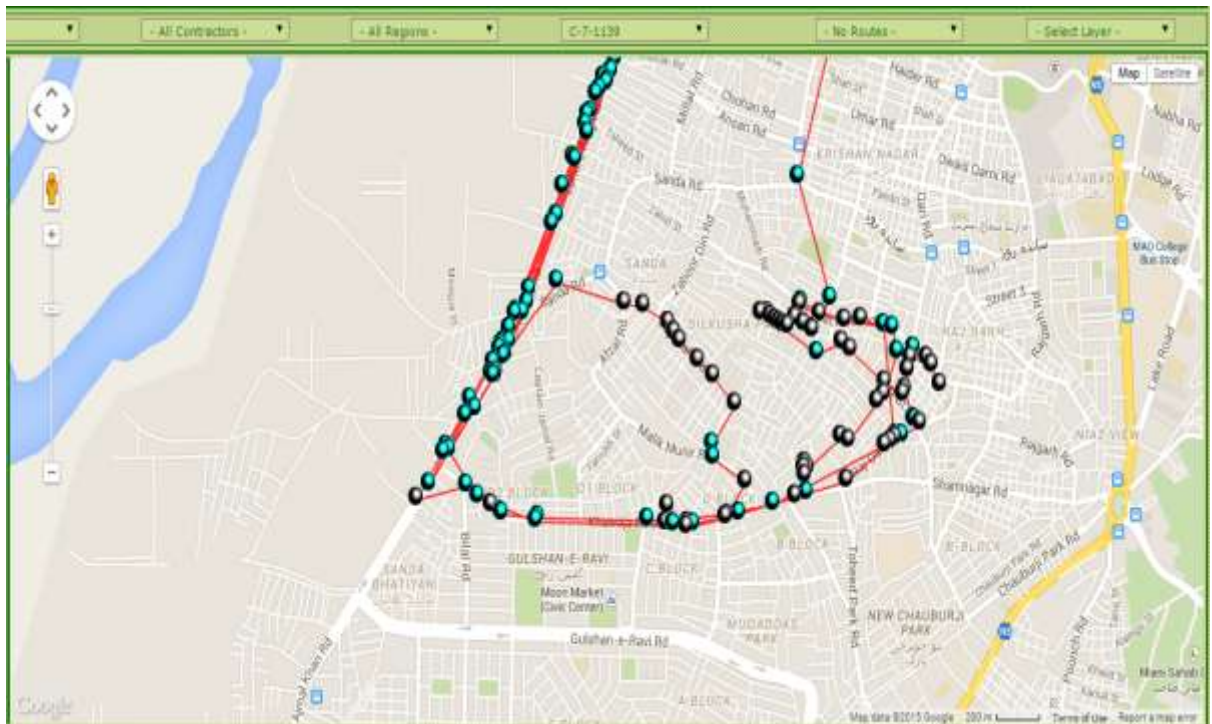
4.1 Solid Waste Collection Operation (Container Collection) Details



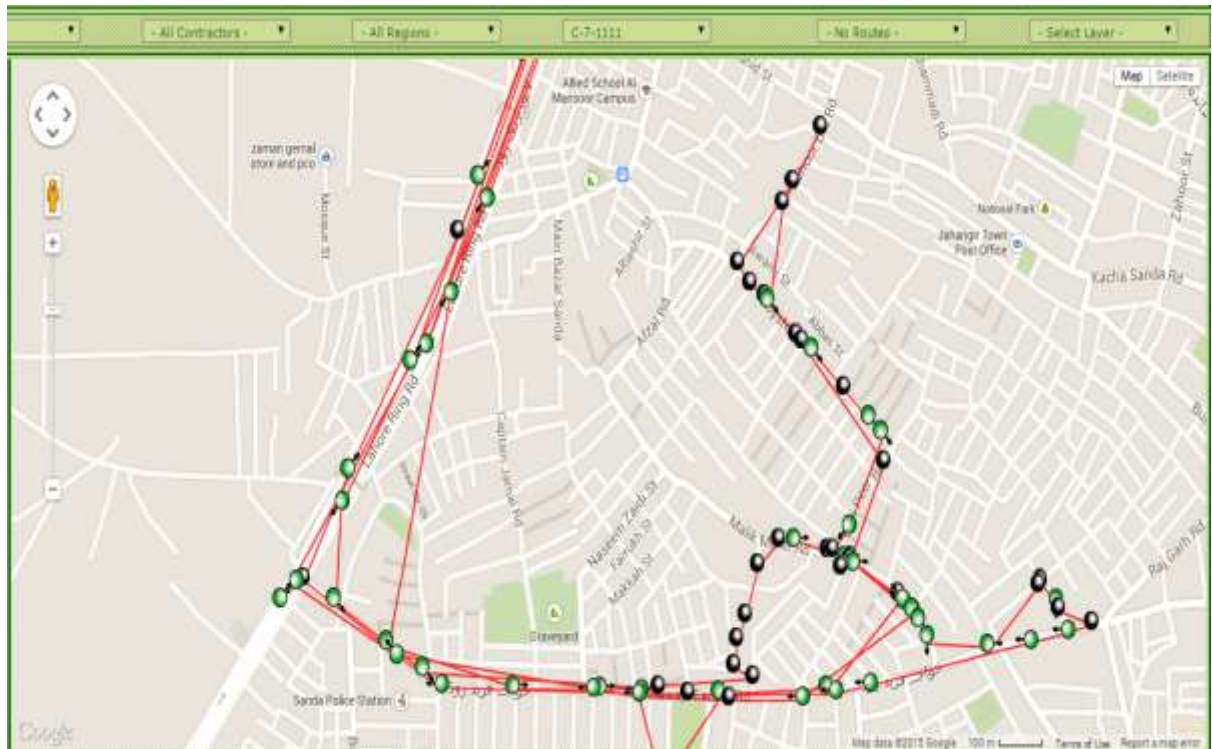
4.2 Compactor Vehicles Waste collection

7m³ Compactor 1139 & 1111 make two trips in 1st Shift to Dumping Site after lifting all Waste containers and Waste Heaps in its route. Approximately it lifts 4000 - 5000 kg waste in one trip.

4.3 C-07-1139 Compactor Vehicle Route:



4.4 C-07-1139 Compactor Vehicle Route:



4.4 Location and Points of Containers

Sr. NO.	Location	Numbers
1	Haji Park	3
2	Dhoop Sari Qabristan	8
3	Malik Munir Tanveer Hospital	2
4	Anmol Bakery Khawaja Fareed Road	1
5	Khawaja Fareed Road Javed Building Material	1
6	Abdullah Road	7
7	Arain Colony	2
8	Zubair Road Open Plot Side A	1
9	Zubair Road Open Plot Side B	2
10	Zubair Road near Doctors Clinic	2
11	Chaman Bagh	3
12	Anwar Maqbool Chaman Bagh	2
Total		34

Table: 01.Point of containers UC-86

4.7 Group Working Plan after 11:00 am (Areas):

Union Council-86	
Day	Areas to Cover
Monday	Nasri Street
	Quaid e Azam Street
Tuesday	serwar street
	saleem street
Wednesday	haji park street 56 ali street
	usman street
Thursday	zubair road
	shafi town street 7-8
Friday	hafiz street
	dhoop sari main bazaar
Saturday	doctor nazeer road
	backside of janazgah

5 Manual Sweeping Operation - Second Shift Plan


5.2 Solid Waste Collection Operation (Container Collection)

Solid waste generated is stored in waste containers which are placed all over the Union Council. These waste containers are lifted by Hydraulic Compactor Vehicles moving in the union council on a specific route for the purpose of waste collection and dump the waste at temporary waste Disposal Station outfall workshop.

5.3 Solid Waste Collection Operation (Container Collection) Details



Compactor Vehicles: C-1111 (7m³ Compactors)




Compactor Waste Collection 2nd Shift: Compactor C-1111 Covers Main Roads and Important Markets Container Points covering Union Councils 85 & 86.

6 Manual Sweeping Operation - Third Shift Plan

Manual Sweeping Operation is not carried out in 3rd Shift.

6.1 Solid Waste Collection Operation (Container Collection)

Solid waste generated is stored in waste containers which are placed all over the Union Council. These waste containers are lifted by Hydraulic Compactor Vehicles moving in the union council on a specific route for the purpose of waste collection and dump the waste at Dumping Site (Mehmood Booti).



Compactor Vehicles: C-1057 (13m³ Compactors)

Compactor Waste Collection 3rd Shift: Compactor C-1057 Covers Main Roads and Important Markets Containter Points and Problematic Points covering Union Councils 80, 81, 82, 83, 85 & 86

In third shift compactor collected waste from all containers of complete zone and used to dump at temporary disposal station at outfall workshop.

7 Compactor Vehicle Staff Deployment for Union Council 86

In UC-86 there are total three supervisors working under the supervision of sheff. Detail of vehicles deployed in three shifts and contact number of responsible persons are given below:

Conservancy Staff Zone-16						
Overall Incharge = Malik Tahir (0321-4601831)						
Supervisor = Qaiser Chaman (0312-4490445)			Overall Incharge = Ali Rajbi (0315-4533505)		Supervisor = Salman (0313-4883326)	
1st shift			2nd shift		3rd shift	
UC	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile
86	1139	Roomi Ashraf (0300-885916)	1111	M. Naeem (0323-4329779)	1057	M. Arif (0322-4415804)
	1111	Munir Masseh (0305-7812098)				

Table: 02. Conservancy Staff UC-86

8 Door To Door Waste Collection

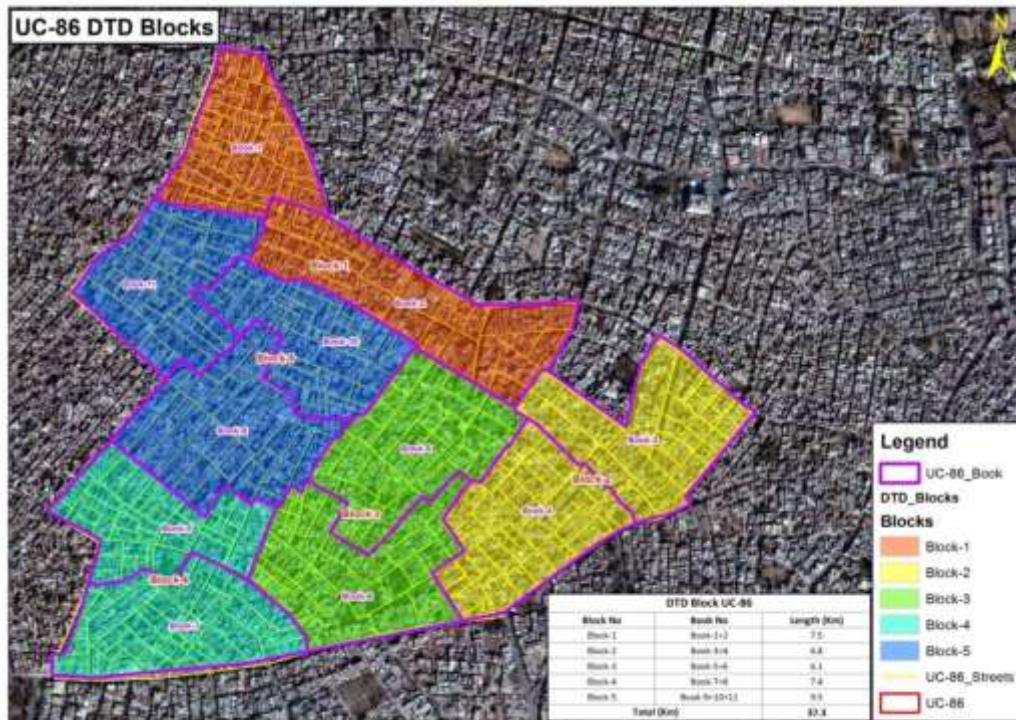
8.1 Old System for D-T-D Waste Collection

- ✓ A year Ago Ozpak deployed one Mini Dumper in each Union Council to enhance the efficiency of Door to Door Waste Collection System but unfortunately they were not fulfilling the sole purpose of DtD Collection in Union Council.
- ✓ Mini Dumper was covering about 30%-40% of the UC area for the purpose of door to door waste collection and the 60%-70% area was dependent on old collection methods and our sanitary workers to collect waste from their door steps and dump it as an Open Heap.

8.2 New System for D-T-D Waste Collection

- ✓ Our Mini Dumper Door to Door Waste Collection System was working with 50-70 % efficiency but we have implemented a new plan due to which we are able to achieve 100% Door to Door Waste collection
- ✓ To make sure the efficiency of this plan to be 100% we collected all the background data necessary for the proper functioning of Mini Dumper in Union Council i.e. Original (Local) Names of Minor Streets and Roads to be displayed on the maps so that we can easily monitor and communicate with our responsible person during door to door collection Operation.

8.3 Door to Door Collection Plan for Mini Dumper



Map: 02. Door to door Mini Dumper Route UC-86

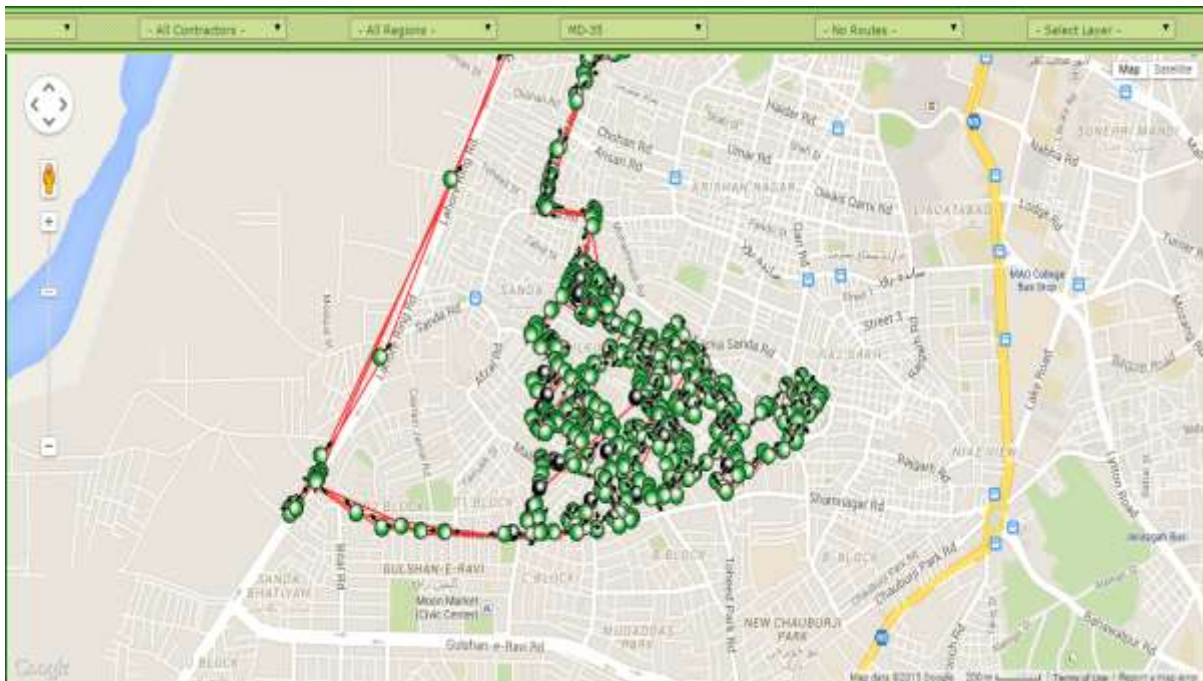
8.4 Door to Door Collection Details

MD-35 is the code of mini dumper which is deployed for UC-86 of Zone-16. It start working in UC from 06:00 am and covered all areas of UC like Hakeeman Wala Bazaar, Juway Shah Road, Baeri Peer, Malik Munir Road, Khawaja Fared Road, Abdullah Road, Mehar Din Road, Zubair Road, Chaman Bagh, Dhobhi Ghaat, Jahangir Town, Salamat Park etc. In narrow streets where mini dumper is unable to enter then it is helper duty to go inside and collect waste in shoppers from every house of the streets and finally dumped in the mini dumper.

Mini Dumper: MD-35

Mini Dumper Driver: Hadayat Maseeh (0345-4290489) with 1 Helper (Properly Equipped)

8.5 MD-35 Vehicle Route:



9 Special Gang

Special gang is a team consists of thirteen workers with a driver and a supervisor. Special Gang solely on Shef / ZO's disposal to attend important complaints and to work for absent workers beats of the day.

Special gang covers following activities:

- Open plot cleanliness
- Cleanliness of absent workers beats
- Important complaints (1139 and residents complaints)
- Main road clearness like (Chuburji to kachahri lower mall road, Kachari chowk to shell pump outfall road and People house to secretariat road)



10 Public Awareness

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

11 Scope of Work (U.C Coordinator)

06:00AM-07:00AM

Attendance Points:

- ❖ Manual and Android Cards Attendance Marking on these fixed attendance points
 - Joy Shah Road

Finding Problematic Points & Deployment of Human Resource and Machinery:

- ❖ Check arrival of Compactor and Mini Dumper in Union Council
- ❖ Deploy Human Resource on Main Roads, Commercial and Residential Areas

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- ❖ Highlight important open heaps points and problematic over flowed containers to Compactor and Mini Dumper drivers to attend on priority.

07:00AM-08:30AM

- ❖ Check Manual Sweeping on Main Roads, Sanitary Workers Attendance and Containers Collection.

- Joy Shah Road
- Beeri Peer Road
- Malik Munir Road + 4 Containers
- Khawaja Fareed Road + 2 Containers
- Abdullah Road + 3 Containers
- Mehar Din Road
- Hakeeman Wala Bazar
- Haji Parki + 3 Containers
- Jahangir Town + Open heaps

08:30AM-09:00AM

- Distribution of Waste Bags, Rechecking the Main Roads and Communication with compactor & Mini Dumper Drivers

09:00AM-10:00AM

- ❖ Check Manual Sweeping, Worker Attendance, Container Collection & Door to Door Waste Collection in Inner (Residential) Areas.

- Jahangir Town Open Heaps
- Haji Park
- Malik Munir Road
- Absent Worker beats
- Ali Street, Street no 12, Bashir Street, Sarwar Street, Sardar Street, Hafiz Street
- Dohbi Ghat
- Chaman Bagh
- Butt Street, Rana Street, Gilani Street, Usman Street
- Muslim Poura
- Abu Bakar Road

- ❖ During Visit Focusing on Manual sweeping Quality, presence of worker in allocated area, Door to Door Collection efficiency and staying in touch with compactor driver for timely lifting of containers.

10:00AM-10:45AM

- Break Time from 10:00am to 11:00am
- Workers gather at attendance points.

11:00AM-01:30PM

- ❖ Divide work force in groups to cover empty areas, absent worker area, problematic areas and open plots.
- ❖ Check working in empty areas, open plots.
- ❖ Resolve PMS & 1139 Complaints on priority basis if any
- ❖ Checking again main roads manual sweeping & container collection including some problematic container points
 - Rehrian Wala Plot + 4 containers
 - Jughian Wala Plot + 1 Container
 - Zubair Road Wala Plot + 1 Container
 - Ariyan Colony Wala Plot
 - Malik Munir Road Wala Plot
 - Gulshan Ravi 1 Block wala plot
 - Baleekian Wala plot + Container
 - Dhop Sari Point + 6 Containers
- ❖ In Final Round Checking focus is to check Group Working, Main Roads Sweeping and Container Collection of important Points.

01:30AM-02:00PM

- ❖ Manual and Android Cards Attendance Marking on these fixed attendance points
 - Chandni Chowk
 - Takya Boray Wala
 - Takya Mehmood Shah

Recommendations

Following are some important suggestion and recommendations to improve the sanitary condition complete zone:

- ✓ Conduct a brief survey of all UCs and reassess the point and number of containers to avoid heaps at different locations.
- ✓ Consideration of mini dumpers services in river side area like UC-83 Rafai Abad. The main purpose of mini dumper in river side is for collection of heaps as it is remote area and people are not aware or not habitual of the use of containers.
- ✓ Speed of mini dumpers during door to door collection should be extremely slow and should be regularly monitor through VTMS. In this way maximum number of resident will avail this service and collection weightage will also increase.
- ✓ Strictly monitoring of workers who are responsible of heaps around containers and punish them

- ✓ Monthly campaign for raising awareness about consequences caused by solid waste pollution, proper use of containers and littering issues. In this campaign we can cover one UC of zone every month. In this way in six month whole zone will cover.
- ✓ Feedback from residents and commercial areas to assess our working and efforts in their UC and also consideration of their suggestion and complaints.

Thank You