

# Chapter No. 02

## Zone-16

### UC-81

# RIWAZ GARDENS



PLANNING & MONITORING DEPARTMENT OZPAK

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## 1. Introduction

Union Council – 81 (Riwaz Garden) is located in Data Gunj Baksh Town. Total area of the UC is 745990 m<sup>2</sup> with population of 51128. This area is predominantly middle income area with planned settlement.



Main Sandha Road UC-81



Riwaz Garden UC-81

*Fig: 1. Pictorial View of Main Road UC-81*

### 1.1 Important Places of Union Council - 81

From Sanitation point of view Union Council - 81 has important places like Commercial Markets, Parks, Graveyard Important Roads, and Mosques etc.

#### **Commercial Markets**

- Hajveri tower
- Chuburgi chowk
- Sanda road
- Qari road
- Sham Nagar
- Rewaz Garden

#### **Graveyards**

- There is no graveyard in complete UC

#### **Important Roads**

- Lower mall Road
- Sandha Road
- Qari Road
- Shamnagar Road

#### **Mosques**

- Jamai Masjid Madina
- Jamai Masjid Iqbal
- Jamai Masjid Bayat Ul Mukaram
- Jamai Masjid Ehsan
- Jamai Masjid Al-Najam

- **Jamai Masjid Muhammadia**

**Open Plots**

- **Jan street no. 50 muslim park rajgarh**
- **Ahmad street No. 43, purani abadi rajgarh**
- **Gali no. 34 ramnagar rajgarh**
- **Zam zam street shamnagar**



Haq Orthopedic UC-81



Jamai Masjid Madina UC-81

*Fig: 2. Pictorial View of Some Important Places UC-81*

### 1.2 Solid Waste Generation

Estimated solid waste generation is 33 tons per day @ waste generation rate of 0.65 kg/person/day.

### 1.3 Particulars

- Phase-A, Union Council 81 (Riwaz Garden)
- Malik Tahir (In-Charge/Sheff OZPAK)
- Chaudhry Aslam (Zonal Officer LWMC)
- Population : 51128
- Union Council Area : 745990 m<sup>2</sup> (middle income)
- Waste Generation (estimated) : 33 tons @.65 kg/person/day

## 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

### Manual Sweeping Operation

Manual sweeping of the roads, streets, markets, footpaths and every paved and unpaved passageway is being 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 1<sup>st</sup> 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 waste from the roads, streets and households which are then hauled through Wheelie bins and Hand carts to the waste containers.

### 3.1 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 56 waste containers are in place in Union Council at 28 different Points.
- ✓ Total waste storage capacity in 56 containers is 14 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.



Compactor Hydraulic System



Compactor



Mini Dumper Hydraulic System

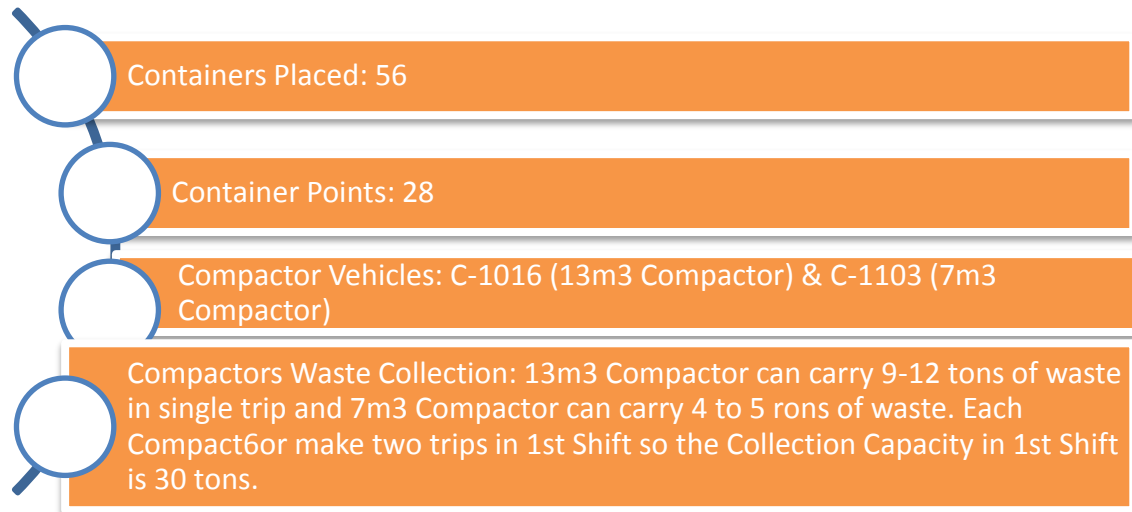


Mini Dumper

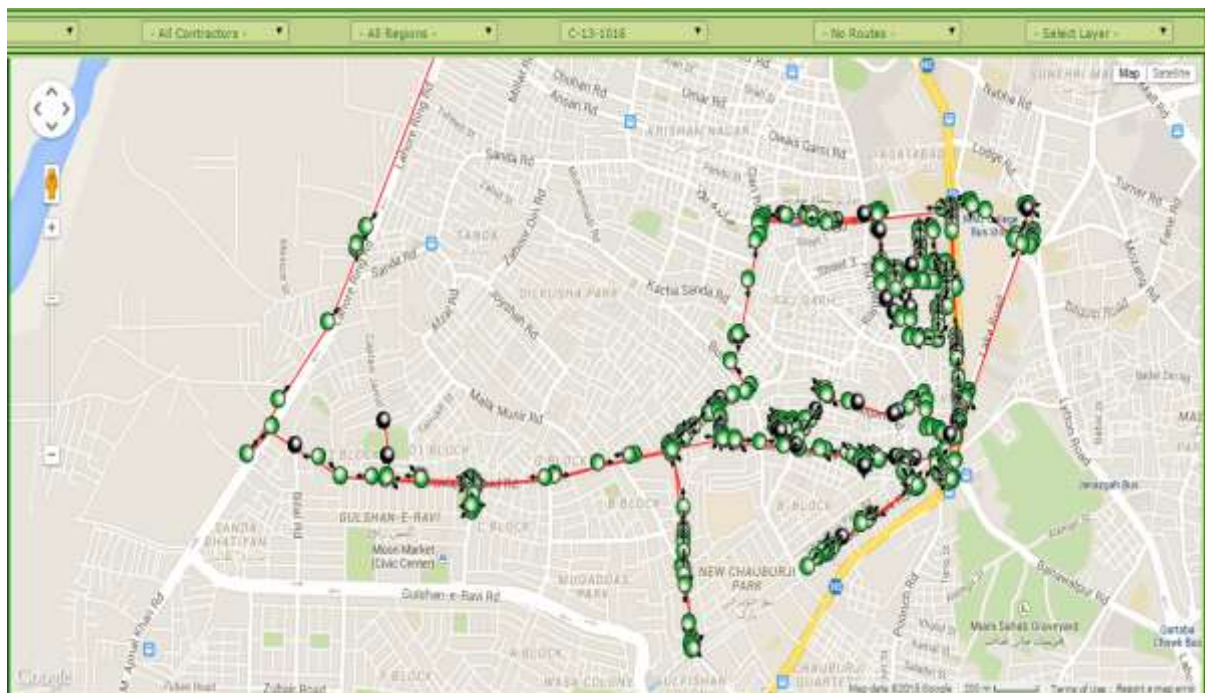


Fig. 4. Pictorial View of Vehicles & Operational Equipment's for Helpers

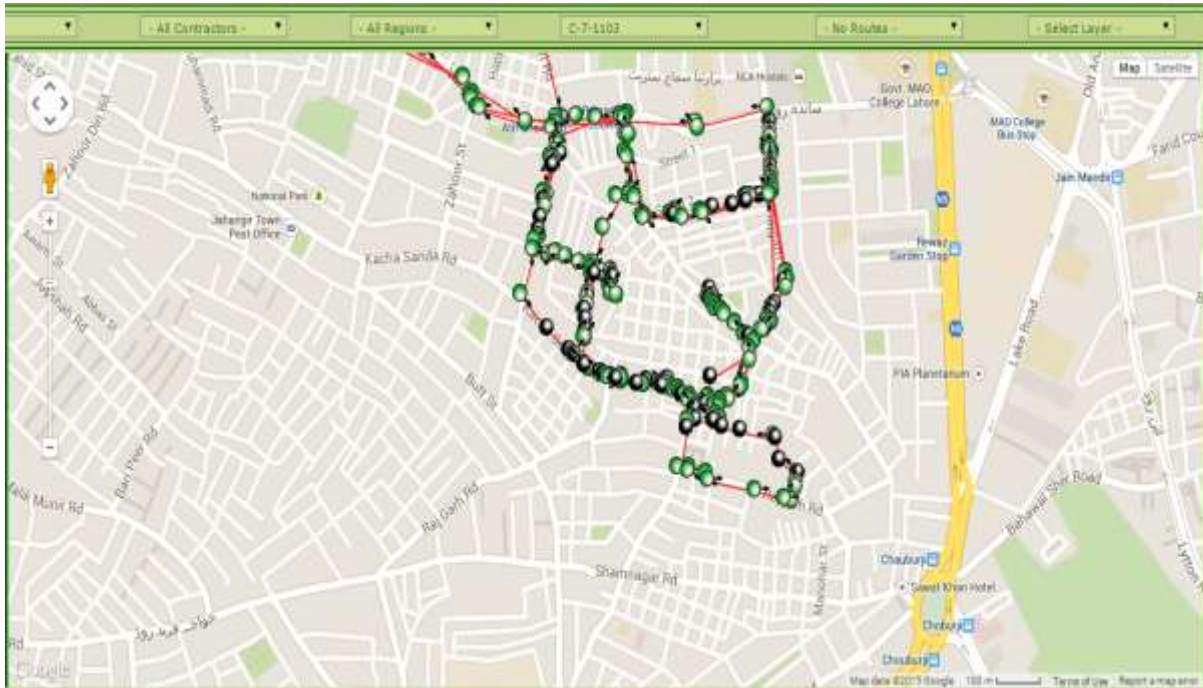
#### 4.1 Solid Waste Collection Operation (Container Collection) Details



#### 4.2 C-13-1016 Compactor Vehicle Route:



**4.3 C-07-1103 Compactor Vehicle Route:**



**4.4 Location and Points of Containers**

Sr. NO.	Location	Numbers
1	Chuburji Chowk	5
2	Lower Mall Road	1
3	Sanda Road M.A.O College	2
4	Sanda Road- Hameed Café	1
5	Sanda Road- Kausar Shadi Hall	2
6	Sanda Road- Gourmet Bakery	1
7	Muslim Colony	3
8	Main Bazar Rajgarh	2
9	Qadir Hotel	3
10	Prem Nagar Rajgarh Street No. 3	1
11	Riwaz Gardens	3
12	Doctor Service Park	2
13	Riwaz Gardens- Bijli Ghar	1
14	Riwaz Gardens- Market	2
15	Mohni Boy Park	3
16	Riwaz Gardens- Al Baig	1
17	Rajgarh Road	3

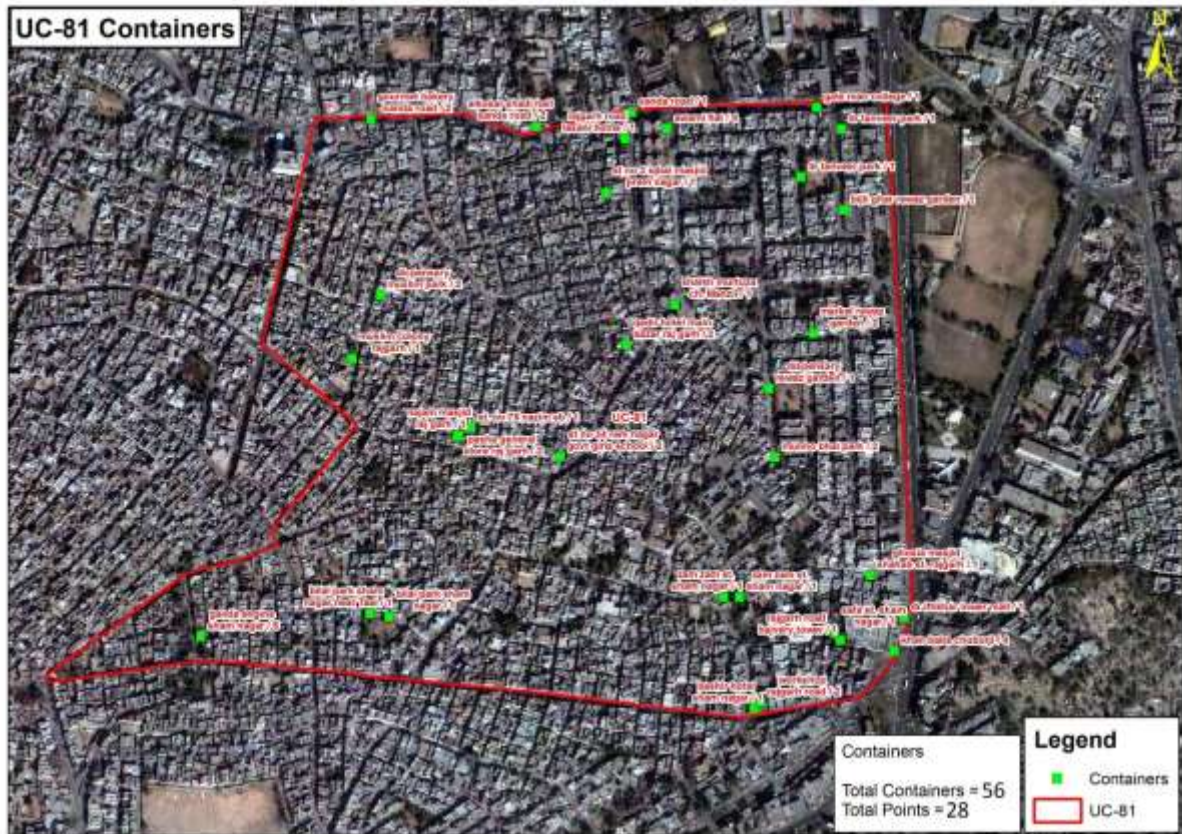


Özkartallar Campak Joint Venture

18	Jinnah Street	1
19	Sham Garh- Ganda Engine	3
20	Shamnagar- Safdar Shaheed	1
21	Shahab Street, Rajgarh	1
22	Bilal Park	2
23	Ramnagar- Bihari Street	1
24	Rajgarh- Kiramat Street	1
25	Rajgarh- Muslim Park # 25	2
26	Rajgarh- Nasir Street	3
27	Milli Darul Atfal School	2
28	Muslim Colony Street No. 02	3
Total		56

Table: 01.Point of containers UC-81

4.5 Container locations on Map UC 81



Map: 01. Location of Containers

4.6 Weekly Group Working Plan after 11:00 am

4.6.1 Weekly Group Working Plan after 11:00 am (Open Plots)

Union Council-81	
Day	Open Plot Areas
Tuesday	Street-50 muslim park rajgarh
Wednesday	street-43 ahmad street purani abdali rajgarh
Thursday	street-34 ram nagar
Friday	street-25 rajgarh road chubuurji
Saturday	zam zam street sham nagar

4.6.2 Weekly Group Working Plan after 11:00 am (Areas)

Union Council-81	
Day	Areas to Cover
Monday	street no 7 prem nagar
	karamat street
Tuesday	safder street
	zam zam street
Wednesday	Niaz view scheme riwaz garden
	qadri road rajgarh
Thursday	street 32 muslim colony rajgarh
	street no 6 linked street karadar park
Friday	rajgarh road
	street no 11 wadiala street
Saturday	qadafi street

#### 4.7 Open Plots Pictorial View



Muslim colony



Prem Nagar St # 2



Shahdi Shah Darbar



Zam Zam Colony

### 5. Manual Sweeping Operation - Second Shift Plan

#### 5.1 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 temporary Waste Disposal Station Outfall Workshop.

#### 5.2 Solid Waste Collection Operation (Container Collection) Details



Compactor Vehicles: C-1139 ( 7m<sup>3</sup> Compactors)



Compactor Waste Collection 2nd Shift: Compactor C-1139 Covers Main Roads and Important Markets Containter Points covering Union Councils 81 only.

## 6. Manual Sweeping Operation - Third Shift Plan

Manual Sweeping Operation is not carried out in 3<sup>rd</sup> 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 temporary Waste Disposal Station Outfall Workshop.



Compactor Vehicles: C-1057 (13m<sup>3</sup> Compactors)



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

## 7. Compactor Vehicle Staff Deployment for Union Council 81

In UC-81 there are total four supervisors working under the supervision of sheaf. Detail of vehicles deployed in all three shifts and contact number of responsible persons are given below:

Conservancy Staff Zone-16						
Overall Incharge = Malik Tahir (0321-4601831)						
Supervisor = Khawaja Nadeem Pasha (0313-8502225) Riaz Butt (0334-7965263)			Overall Incharge = Ali Rajbi (0315-4533505)		Supervisor = Muhammad Mansha (0323-4690580)	
1st shift			2nd shift		3rd shift	
UC	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile
81	1016	M. Tahir (0346-4535625)	1139	Farooq Iqbal Butt (0324-4745315)	1057	M. Arif (0322-4415804)
	1103	M. Ramzan (0300-4855089)				

Table: 02. Conservancy Staff UC-81

## 8. Door To Door Waste Collection

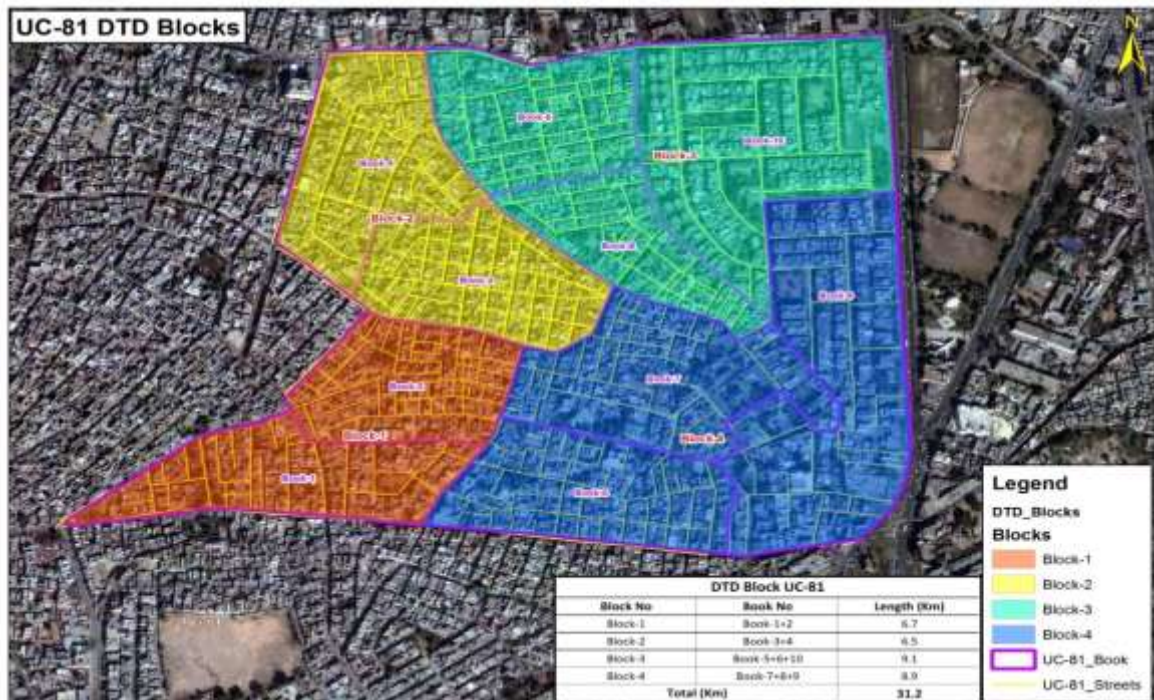
### 8.1 Old System for D-T-D Waste Collection

- ✓ 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.

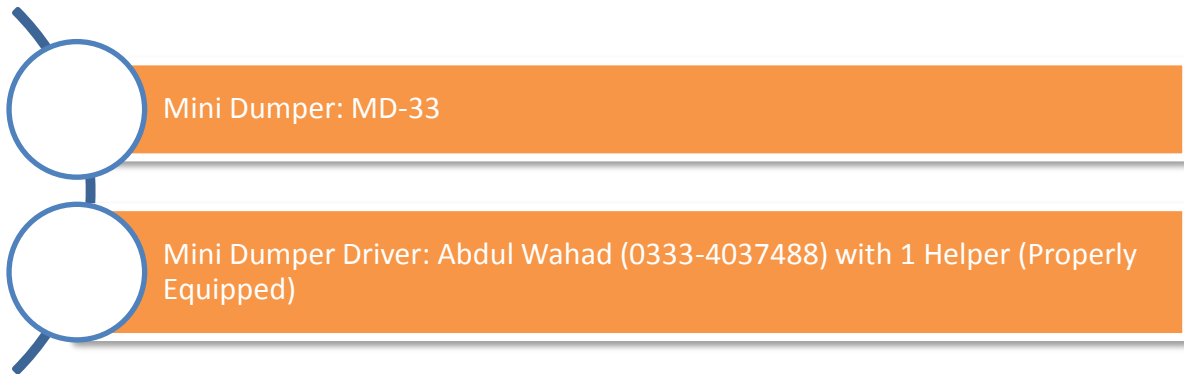
### 8.3 Door To Door Route Plan for Mini Dumper



Map: 02. Door to door Mini Dumper Route UC-81

#### 8.4 Door to Door Collection Details

MD-33 is the code of mini dumper which is deployed for UC-81. It start working in UC from 06:00 am and covered all areas of UC like Riwarz Garden, Main Bazar Rajgar, Lower Mall, Ram Nagar, Wadyala Street, Sanda Road, Sanda Road, Parem Nagar, Qari Road, Muslim Colony Rajgar, Muslim Park Rajgar, Shan Nagar Road, Qadafi Street, Palace Street, Bilal Park, Ittihad Street, Nand Street, Zam Zam Street, Chouburji Chowk, Rajgar Road, Jinah Street, Thapar Street, Khokhar Street 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.

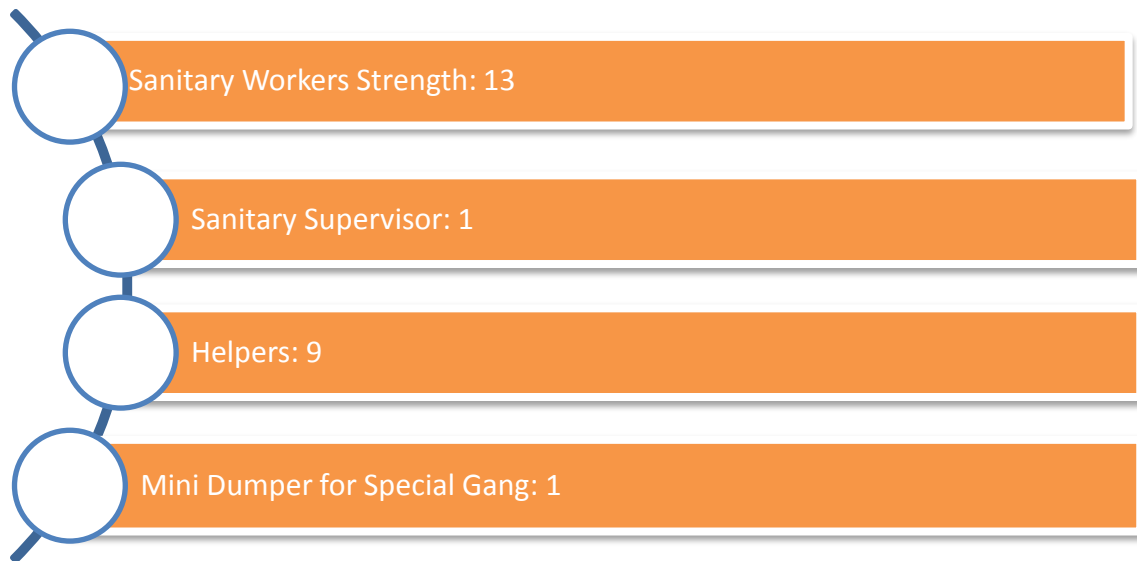


#### 9. Special Gang

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.