

Chapter No. 05

Zone-16

UC-85

SANDHA KALAN



PLANNING & MONITORING DEPARTMENT OZPAK

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1. Introduction

Union Council – 85 (Sandha Kalan) is located in Data Gunj Baksh Town. Total area of the UC is 55373 m² with population of 61666. This area is predominantly middle income area with planned settlement.



Afzal Road UC 85



Chandni Chowk UC 85

Fig: 1. Pictorial View of Main Road UC-85

1.1 Important Places of Union Council - 85

From Sanitation point of view Union Council - 85 has important Places like Commercial Markets, Parks, Graveyard Important Roads, and Mosques etc.

Commercial Markets

- Sanda road
- Khawaja fareed road
- Dhop sari bazar

Graveyards

- Sanda road Qabristan
- D2 block khawaja fareed road gulshan-e-ravi

Important Roads

- Sandha road
- Afzaal road
- Khuwaja fareed road
- Main baza sandha kalan

Mosques

- Jamai Masjid Ayesha Saddiqia
 - Jamai Masjid Bashir
 - Jamai Masjid Qabba Qibba
 - Jamai Masjid Usmmania
 - Jamai Masjid Rahmat Ull Almeen
 - Jamai Masjid Naqshbandi
-

- Jamai Masjid Nageena

Open Plot

- Butt street captain Jamal road
- Gali no. 7, Naseer abad sandha kalan
- Rahmat ullah street no. 41
- Gali no 25, madina colony gulshan-e-ravi



Jamai Masjid Haniffia Ghossia UC 85



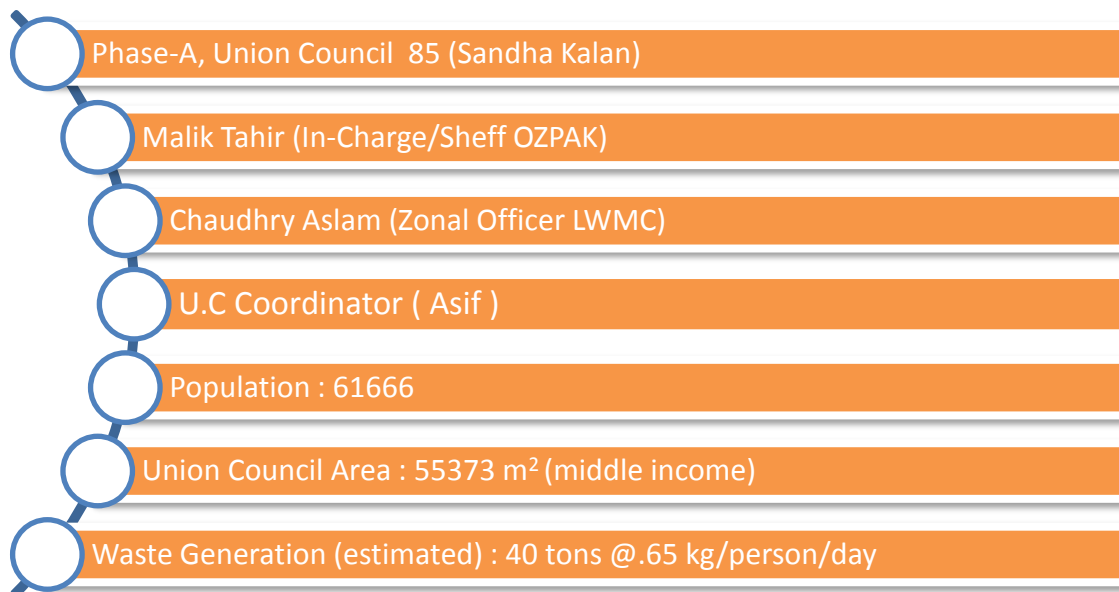
Makkah Dental Clinic UC 85

Fig: 1. Pictorial View of Main Road UC-85

1.2 Solid Waste Generation

Estimated solid waste generation is 40 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 26 waste containers are in place in Union Council at 10 different Points.
- ✓ Total waste storage capacity in 26 containers is 6.75 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.



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

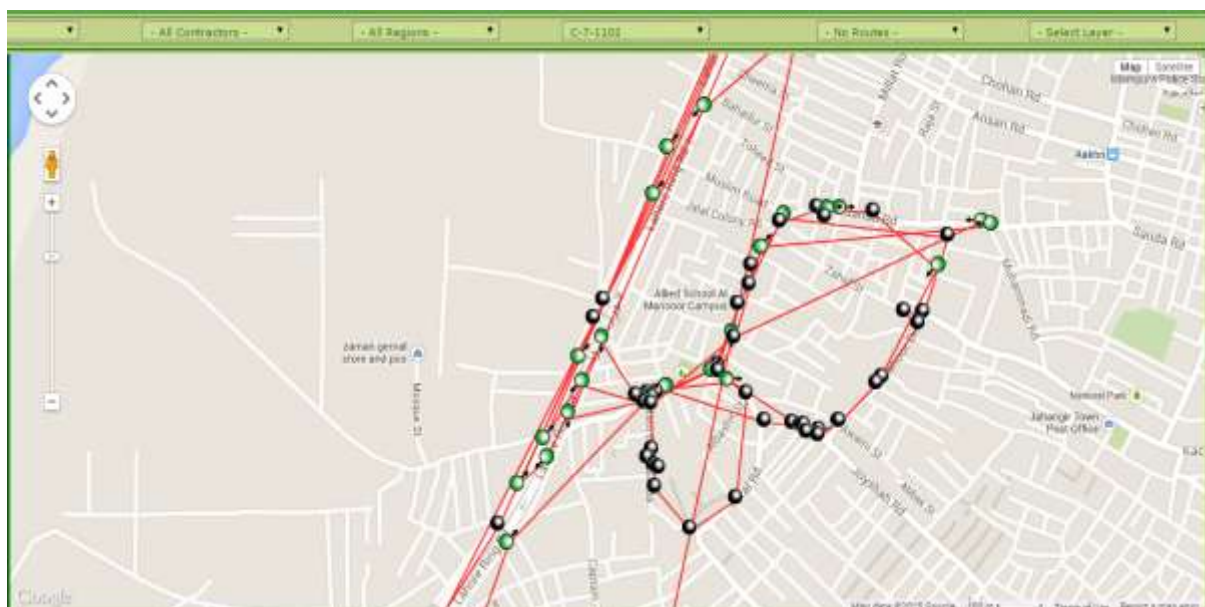
4.1 Solid Waste Collection Operation (Container Collection) Details

- Containers Placed: 26
- Container Points: 10
- Compactor Vehicles: C-1102 (7m³ Compactor)
- Compactors Waste Collection: 7m³ Compactor can carry 4-5 tons of waste in single trip. Compactor make two trips in 1st Shift so the Collection Capacity in 1st Shift is 10 tons.

4.2 Compactor Vehicles Waste collection

7m³ Compactor 1102 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 1102 Compactor vehicle route:

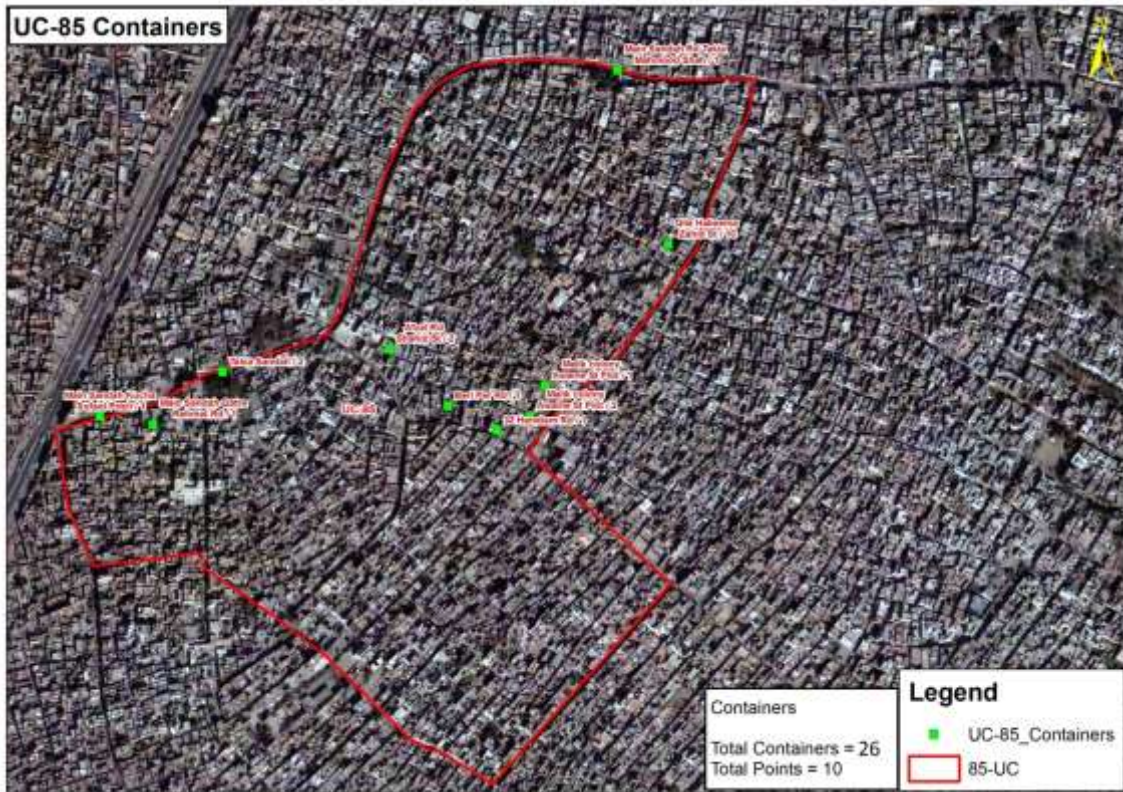


4.4 Location and Points of Containers

Sr. NO.	Location	Numbers
1	Sandha Main Road	3
2	Main Bazaar Sandha Kalan	3
3	Afzaal Road Sandha Kalan	2
4	Juwaey Shah Road	2
5	Khawaja Fareed Road Gulshan Ravi	1
6	½ Block Gulshan Ravi	1
7	Malik Colony Sandha Road	2
8	Zahid Shareef Plot Hakeeman Wala Bazaar	8
9	Sandha Main Road	3
10	Takkia Mehmood Shah	1
Total		26

Table: 01.Point of containers UC-85

4.5 Container locations on Map UC 85



Map: 01. Location of Containers

4.6 Weekly Working Plan after 11:00 am (Plots):

Union Council-85	
Day	Open Plot Areas
Daily	Zahid Street
	Madina colony church road

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

Union Council-85	
Day	Areas to Cover
Daily	Bhatti Street
	Imam Bargh Street
	Sunyaray wali street

4.8 Open Plots Pictorial View



Madina Colony, Near Church St.



Zahid Street

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 Dumping Site (Mehmood Booti).

5.2 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 Container 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 85

In UC-85 there are total four 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 = Zohaib (0321-4000383) Peeran Ditta (0313-4897970)			Overall Incharge = Ali Rajbi (0315-4533505)		Supervisor = Sirfaraz (0300-4745332)	
1st shift			2nd shift		3rd shift	
UC	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile	Vehicle No.	Driver Name & Mobile
85	1102	Rana Nadeem (0323-4237434)	1111	M. Naeem (0323-4329779)	1057	M. Arif (0322-4415804)

Table: 02. Conservancy Staff UC-85

8. Door To Door Waste Collection

8.1 Old System for D-T-D Waste Collection

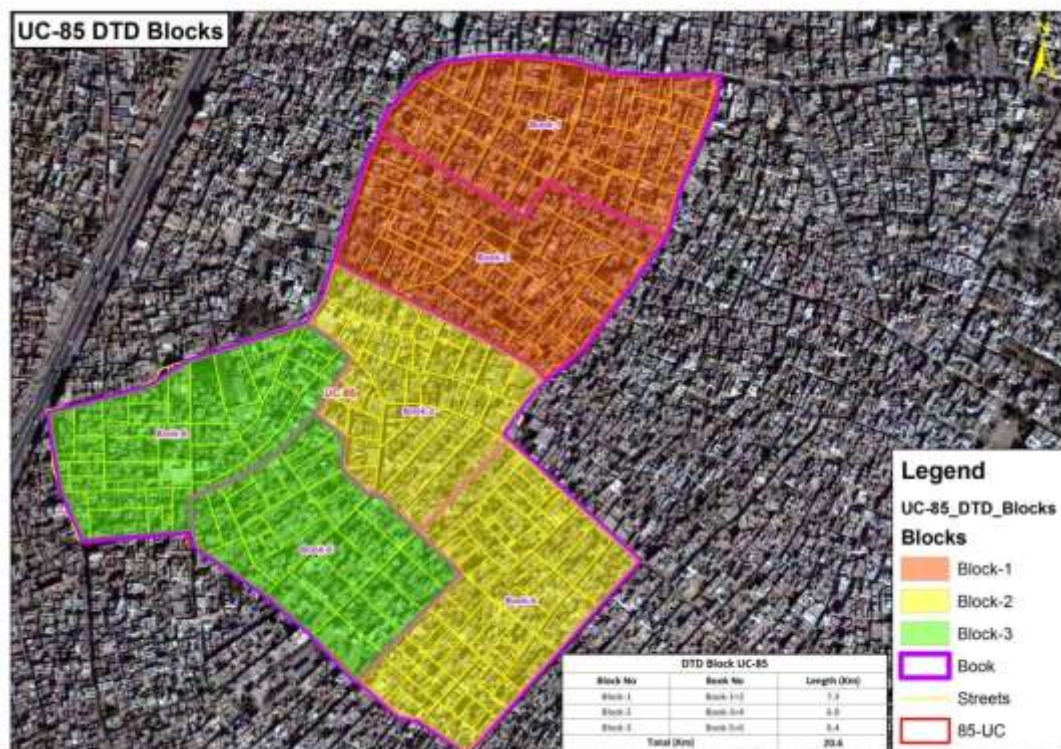
- ✓ A year Ago Ozpak deployed one Mini Dumper in each Union Council to enhance the efficiency of Door to Door Waste Collection System but unfortunately they were not fulfilling the sole purpose of DtD Collection in Union Council.

- ✓ 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-85

8.4 Door to Door Collection Details

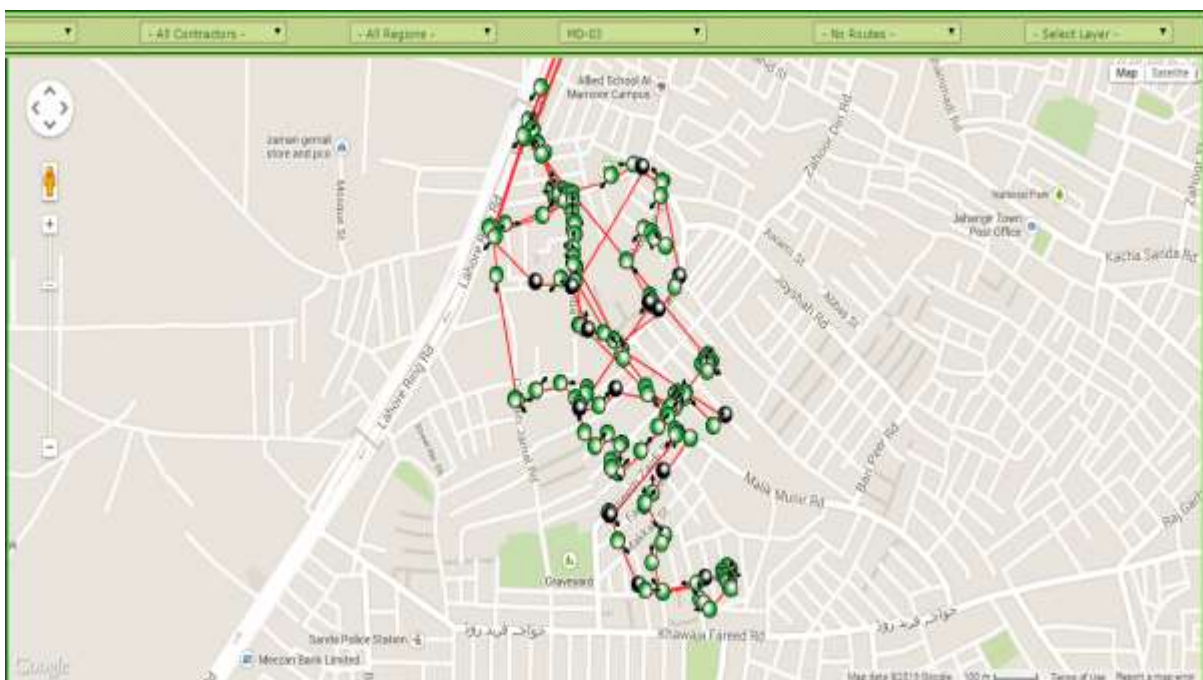
MD-03 is the code of mini dumper which is deployed for UC-85. It start working in UC from 06:00 am and covered all areas of UC like Sandha Road, Afzal Road, Main Bazaar Sandha, Khawaja Fareed Road, Saleem Road Itfaq Colony etc. In narrow streets where mini dumper is unable to enter then it is helper 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-03

Mini Dumper Driver: M. Naseer (0343-7718014) with 1 Helper (Properly Equipped)

8.5 MD-03 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. Scope of work U.C Coordinator

06:00AM-07:00AM

Attendance Points:

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

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
- ❖ 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.
 - Khawaja Fareed Road + 2 container
 - Main Sandha Road + 4 Containers
 - Qatra Rahmat Road + 2 Containers
 - Takiya Borey Wala, Sandha Road + 3 Containers
 - Takia Mehmood Shah + 1 Container
 - Joy Shah Road + 2 Container
 - Malik Colony + 1 Container

Özkartallar Campak Joint Venture

- Main Bazar Sandha 2 Container

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.
 - Jamal Street, Kamal Street
 - Aljanat Street, Al-Tariq Street
 - Ayoub Street, Qadraya Street
 - Daar Street, Qureshi Street
 - Al-Bashir Street, Imran street
- ❖ 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 are 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
 - Main Sandha Road Group Working
 - Nisar Colony Group Working
 - Zahid Street Container point
 - Open Plot Point + 9 Containers
 - Major Route review
 - Jamal Street, Church Road, Zahid Street
- ❖ 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

11.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