

Özkartallar Campak Joint Venture



Solid Waste Management Plan for Garden Town (UC-126)

By:

Muhammad Awais Zafar
Deputy Manager Operations

5TH FLOOR, SHAHEEN COMPLEX, EGERTON ROAD,

Contents

1. Introduction 3

2. Solid Waste Generation 4

3. Particulars 4

4. Solid Waste Management Practices..... 4

4.1 Operational Activities..... 5

4.1.1 1st Shift Plan 5

 Compacter route: 10

4.2 2nd Shift Plan 11

5 Compactor Vehicle Staff Deployment for Union Council..... 12

6 Door To Door Waste Collection 12

6.1 Old System for D-T-D Waste Collection..... 12

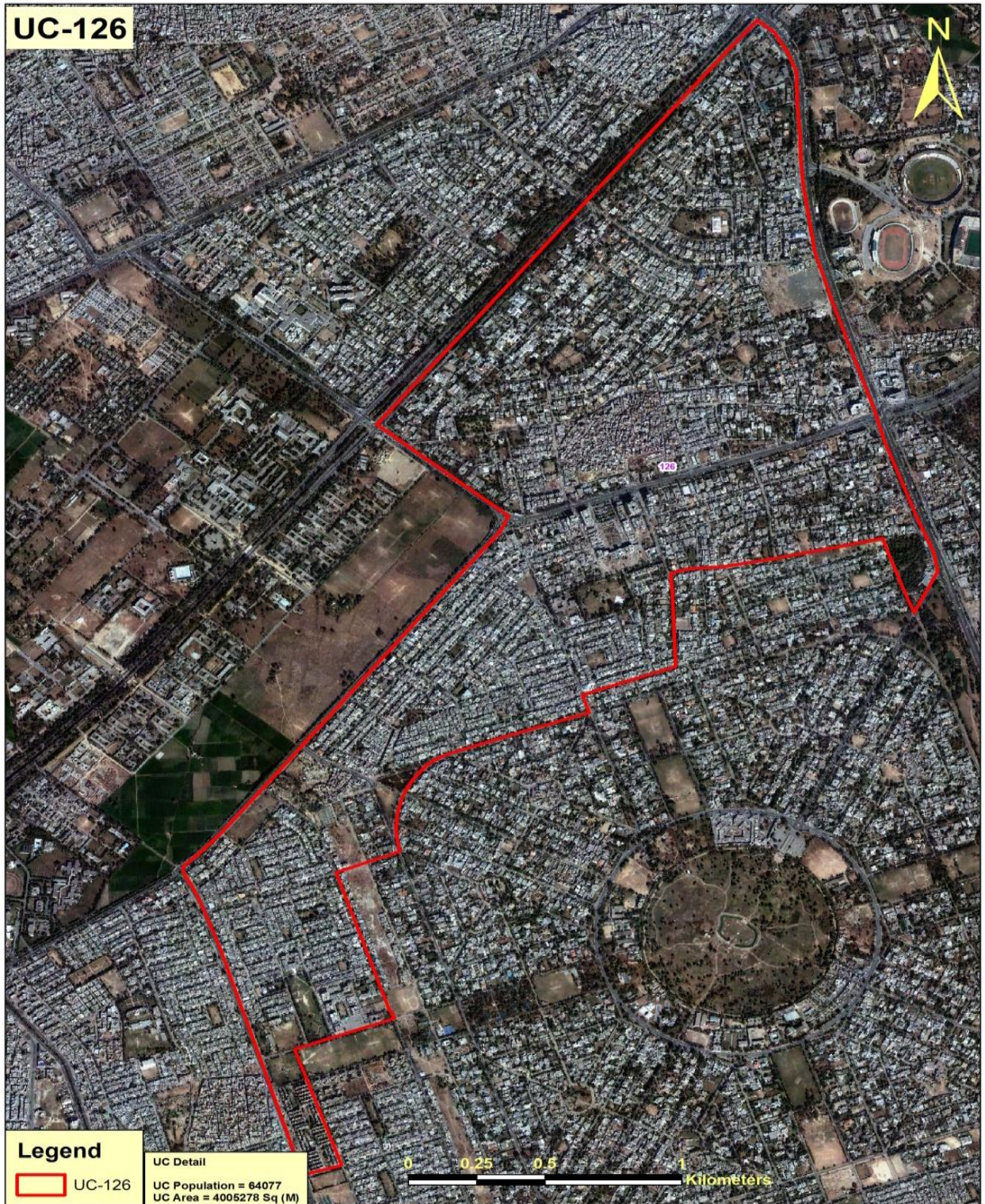
6.2 New System for D-T-D Waste Collection 12

Mini Dumper route map: 13

7 Problematic Point:..... 14

8 Public Awareness 15

Map of UC 126 Garden Town



1. Introduction

Union Council – 126 (Garden Town) is located in Gulberg Town. Total area of the UC is 3003958 m2 with population of 48957. This area is predominantly middle income area with planned settlement.

Supervisors

Sr. No	Name	Contact No.	Designation
1	Imran	0314-4491387	Coordinator
2	Imtiaz	0312-4480268	Coordinator
3	Amir	0310-4224695	LWMC Supervisor

Important Places of Union Council-126

From Sanitation point of view Union Council-126 has important Places like important Road Commercial Markets, Mosque, Imam Bargahs, Graveyard and educational Institute.

Sr.No	Particular
Important Roads	
1	• Feroz pur road
2	• Garden town
3	• Link road
4	• Kalma chowck
5	• Mughl e Azam
	•
Markets	
1	• Barkat market
2	• Tippu block
3	• Jutti market
4	• Mariyam market
	• Raja market
	• jivnhna market
Mosque	
1	• Jaamia masjid
2	• Ghousia Masjid
3	• babul mustjaab
4	• Bilal masjid
5	• Badar masjid
Imam Bargahs	
	• Awan Risala imam bargah
Graveyard	
1	• Near jeevan hna
2	• D Block
3	• Usman Block

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Educational Institute	
1	• Superior college Lahore
2	• Himayat e Islam College
3	• Becon house school
4	• Punjab college

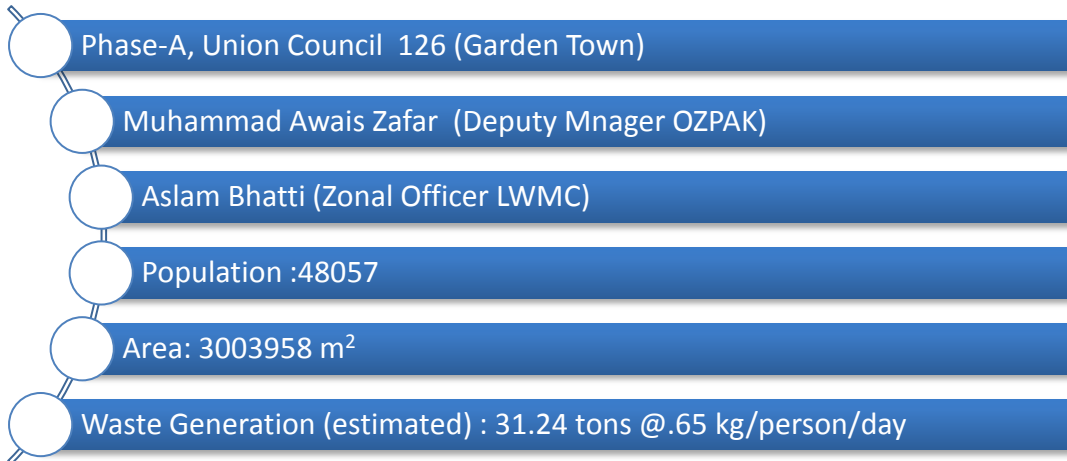
Main Road Pictures



2. Solid Waste Generation

Estimated solid waste generation is 31.24 tons per day @ waste generation rate of 0.65 kg/person/day.

3. Particulars



4. 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:

4.1 Operational Activities

4.1.1 1st Shift Plan

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.



Broom



Hand Cart



Whellie Bin



Shovel



Proper Uniform with PPE's



Waste Bag



Scrapper



Shovel 1



Monsoon SOP's (Long Boots & Rain Coat)

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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 1stShift, 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.

Beat list of UC-126:

Name of Worker	Computer#	Beat Name
Yaqoob s/o Barkat	13648	Rafi Plaza Back Side Plot
Shan s/o Munir	9039	Mariyaan road
Pervaiz s/o Wassan	8877	Barkat Markit
Mansha S/O Chanan	28260	Mughale Azam Signal To Campus underpus
Sardar s/o Khairat	9199	Kalma Chowk telephone exchange to sadar plaza
Allah Ditta s/o Lal	8911	kalma chowk to under pas to sadar plaza
Lal s/o Nawab	26145	Barkat Markit to mughale Azam Signal
Saima w/o Javid	89	Aibak block main to barkat market block
Razia w/o Gulzar	95	Aibak block main to barkat market block
Palos s/o Ashiq	762	Kalma Chowk U-Turn
Nagina s/o Arshad	76	barkat market
Salma w/o Nazeer	30130	barkat market
Rehna d/o Younas	757	salar plaza to mosque + plot
Rani w/o Bota	13375	Aibak block
Safdar s/o Pyara	9849	Auranzaib Block
Kala s/o Inayat	10548	regular Absent
Sohail s/o Jalal	13598	regular Absent
Siddque s/o Bagh	13412	Mini dumper
Waris s/o Nizam	13019	meni market ata turk block
Mushtaq s/o Wassan	7014	tariq block mariam nawaz wali street
Latif s/o Rafique	8911	ghosia colony marrian
Anwar w/o Manzor	9135	aurang zaib block
Azmat w/o Anwar	13388	shear shah block
Babar jan s/o Khalid	28480	Supervisor
Mohsin s/o Bota	5891	Compactor helper

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Amir s/o Sadiq	29436	Compactor helper
Bashir s/o Darshan	5981	tariq block mariam nawaz wali street
Waris s/o Jeta	26130	Mariyaan road
Botta s/o Aziz	10431	model town morr to telephone exchange
Mariem s/o Sadique	26562	shershah park + pasport office
poma s/o Bashir	13391	barkat markit plot and side street
Saba w/o Imran	13029	tipu block park to 48 tipu block
Irfan s/o Javid	84	marrian signal to faisal town road
Fozia w/o Sharief	91	Shershah park to Hamayet-e-Islam College
Shamin w/o Pervaiz	930	PTCL exchange to babar block
Saleem s/o Jagga	107	Aisha parlor to 62 tipu block
Javed s/o Allah Dita	108	total petrol pump to skan college
Liaqat s/o Ashiq	96	Barket market
William S/o Gulzar	72	Compactor (door-to-door collection)
Madina w/o Iqbal	750	Barkat Market Main
Shahzad s/o Haidar	764	Compactor
Kala s/o Bagh	13384	model town morr to babar Block
Rafique s/o Kaka	13195	Barkat market to kuma kasai road
Rasheed s/o Neor	8105	regular Absent
Alees w/o Naja	13395	garden block + street
bashiran w/o rehmat	13404	ALI Block + street
gafor s/o Channa	13392	Baildar
Majidan s/o sain	13382	kalma chowk to dongan plaza + street
Ramzan s/o hakim	13398	abubakar block + street
naja s/o bao	13386	ahmad block + street
yaqoob s/o hussain	13374	new campus to gulzar under pass
jugno s/o meraj	8314	ameenpark + street
bashir s/o khushala	6999	with compactor
bhola s/o nawab	8315	with compactor
qasim s/o nawab	8899	jevan hanna shafie street
hamidan s/o sharief	9084	usman block + street
rasheed s/o nazeer	9493	jevan hanna main bazar to street
nadeem s/o saleem	13383	Jevaan Hanna Pind
shehzad s/o qaim	7011	ahmadblock + street
ilyas s/o khushi	13407	jevan hanna main bazar + street
manzoor s/o latif	8900	raja market + market
shoukat s/o mukhtar	27377	Mini dumper
shahid s/o sadique	26364	2nd shift compactor

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mancha s/o sardar	26349	Jevan Hanna Mariyaan street
hanifan s/o anayat	26282	raja market to police work shop feroze pure road
anayat s/o labha	5783	pholon wala chowk to total pump main road
razia s/o anayat	26239	pholon wala chowk to total pump main road
Parveen s/o Shahzad	30129	Primary school Jevan hanna band galian
razia s/o nadeem	754	pholon wala chowk to campus main feroze pure road
kashif s/o mukhtar	752	Mini dumper
Ghafoor s/o Akbar	756	Muslim town more to gulzar underpass
Sajid s/o Niamat	763	Compactor
Bilal s/o Maher	11769	Police station jevaan hanna road
Sadiq s/o lal	26248	Baildar barkat market
Suriya w/o sultan	371	Mariyaan signal to major shoaib shaheed road

Manual Sweeping Operation Details



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 Valencia Workshop.

- ✓ Total 106 waste containers are in place in Union Council at 62 different Points.
- ✓ Total waste storage capacity in 106 containers is 26.5 tons in two time lifting.
- ✓ Three Compactors are deployed for waste collection in Union Council. 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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Compactor Hydraulic System



Compactor



Mini Dumper Hydraulic System



Mini Dumper



Broom



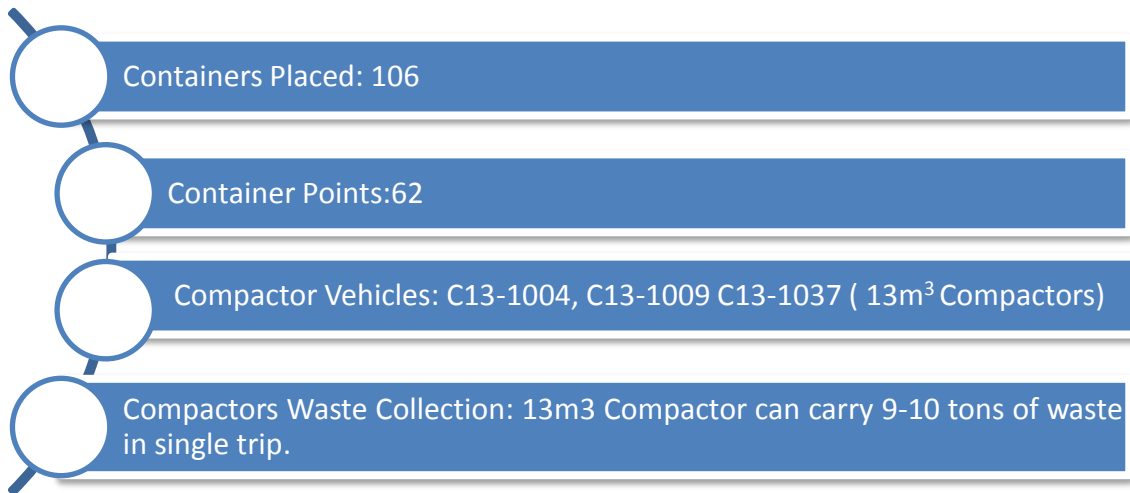
Shovel 1



Waste Bag

Pictorial View of Vehicles & Operational Equipment's for Helpers

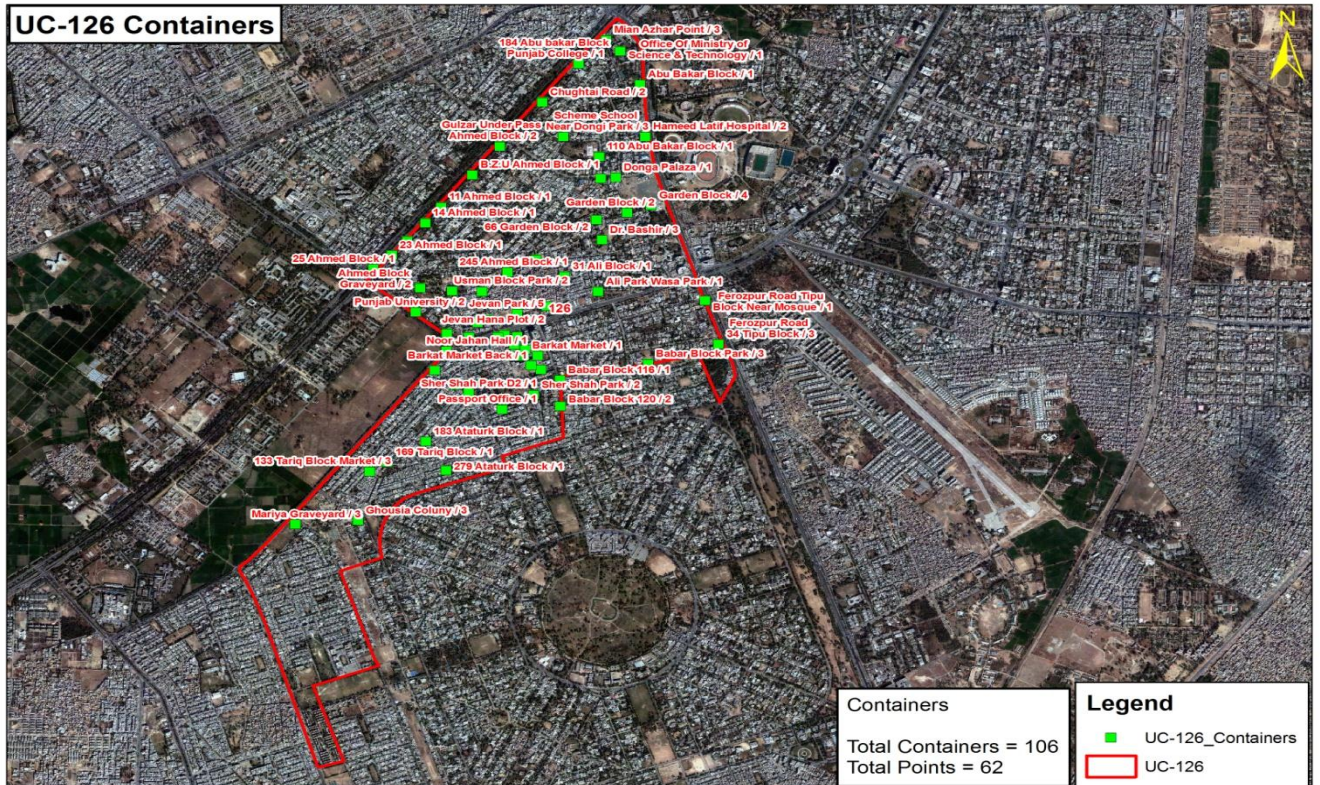
Solid Waste Collection Operation (Container Collection) Details



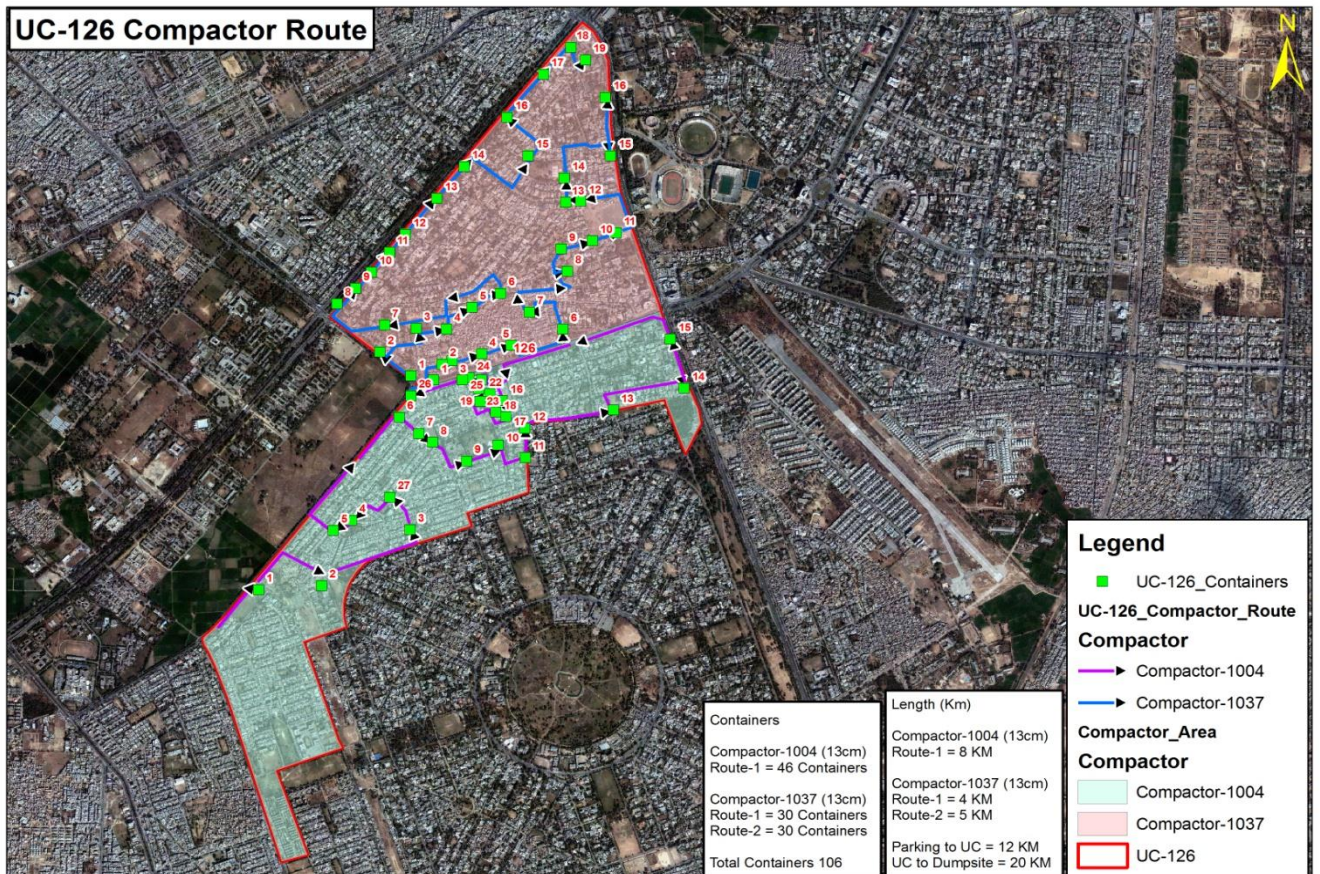
Compactor Vehicles Waste collection

13m³ Compactors make one trips in 1st Shift to Dumping Site after lifting all Waste containers and Waste Heaps in its route. Approximately it lifts 9000-10000 kg waste in one trip.

Özkartallar Campak Joint Venture Location and Points of Containers



Compacter route:



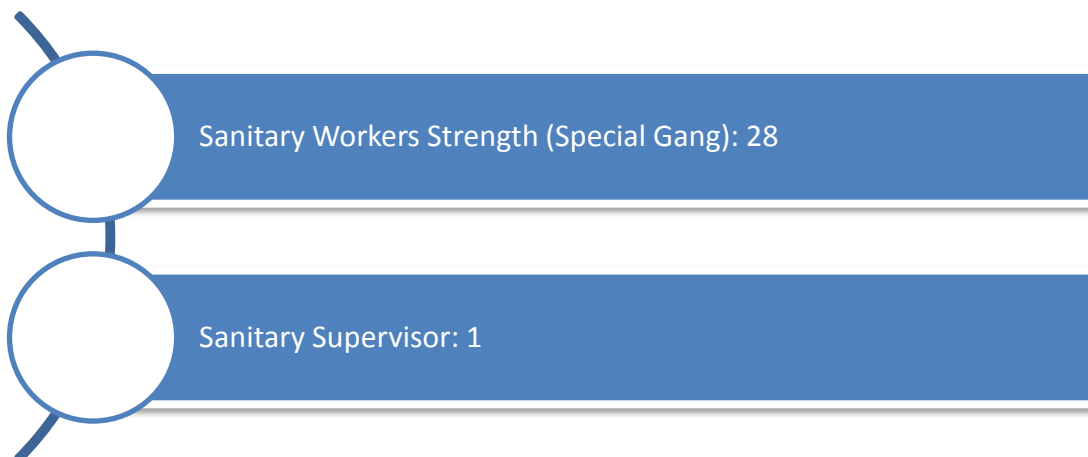
4.2 2nd Shift Plan

Manual Sweeping Operation

Manual sweeping of the Main roads, important markets, 1139 complaints and PMS Complaints and to co-ordinate compactors and ensure containers collections done with Special Gang (Group of Sanitary Workers) equipped with all necessary operational tools and PPE's (Personal protective equipment's)

- ✓ 2nd shift gang is the disposal of Zonal Officer of Lahore Waste Management Company.
- ✓ Manual sweeping in 2nd shift with Special Gang is carried out from 2PM to 10PM.
- ✓ Personal protective equipment's include Proper uniform, Gloves, Mask, Proper Shoes, Long Boots and Rain Coat in case of monsoon Season.
- ✓ Operational Requirement for Special Gang includes Broom, Shovel, Wheelie Bin, Waste Bags, and Scrapper.

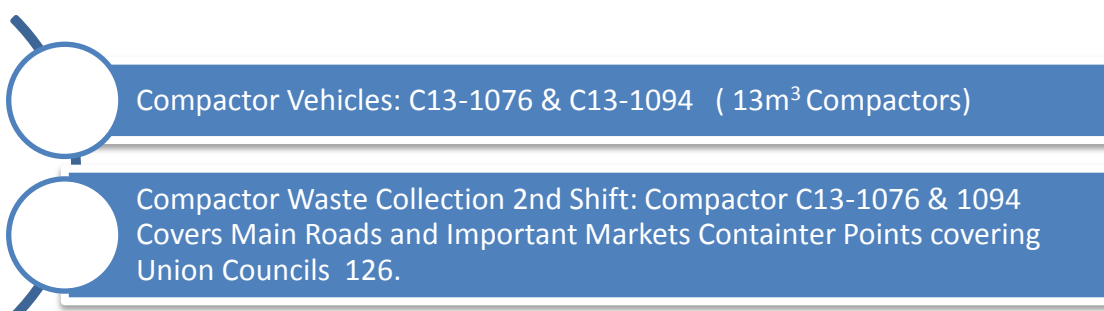
Manual Sweeping Operation Details



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 Valencia Workshop

Solid Waste Collection Operation (Container Collection) Details



5 Compactor Vehicle Staff Deployment for Union Council

Conservancy Supervisor = Rizwan(0324-4094234)			Supervisor =Ali (0301-5550621)		
1st shift			2nd shift		
UC	Vehicle No.	Driver Name & Mobile	UC	Vehicle No.	Driver Name & Mobile
126	1004	Muhammad Azeem (0322-6866575)	126	1076	Hasan Javed (0313-7778773)
	1094	Sarfraz (0300-4816163)		1094	Raja Abdur Rehman (0333-4235741)
	1037	Saqlain shah (0300-4412496)			

6 Door To Door Waste Collection

6.1 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 70%-80% of the UC area for the purpose of door to door waste collection and the 20%-30% 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.

6.2 New System for D-T-D Waste Collection

- ✓ Our Mini Dumper Door to Door Waste Collection System was working with 70-80 % 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.

Door to Door Collection Details

We have deployed Mini Dumper in each union council i.e. MD-12 in UC-126. Mini Dumper is currently working with OZPAK JINGLE and achieving 100% efficiency, collecting Door to Door waste from all over the union council.

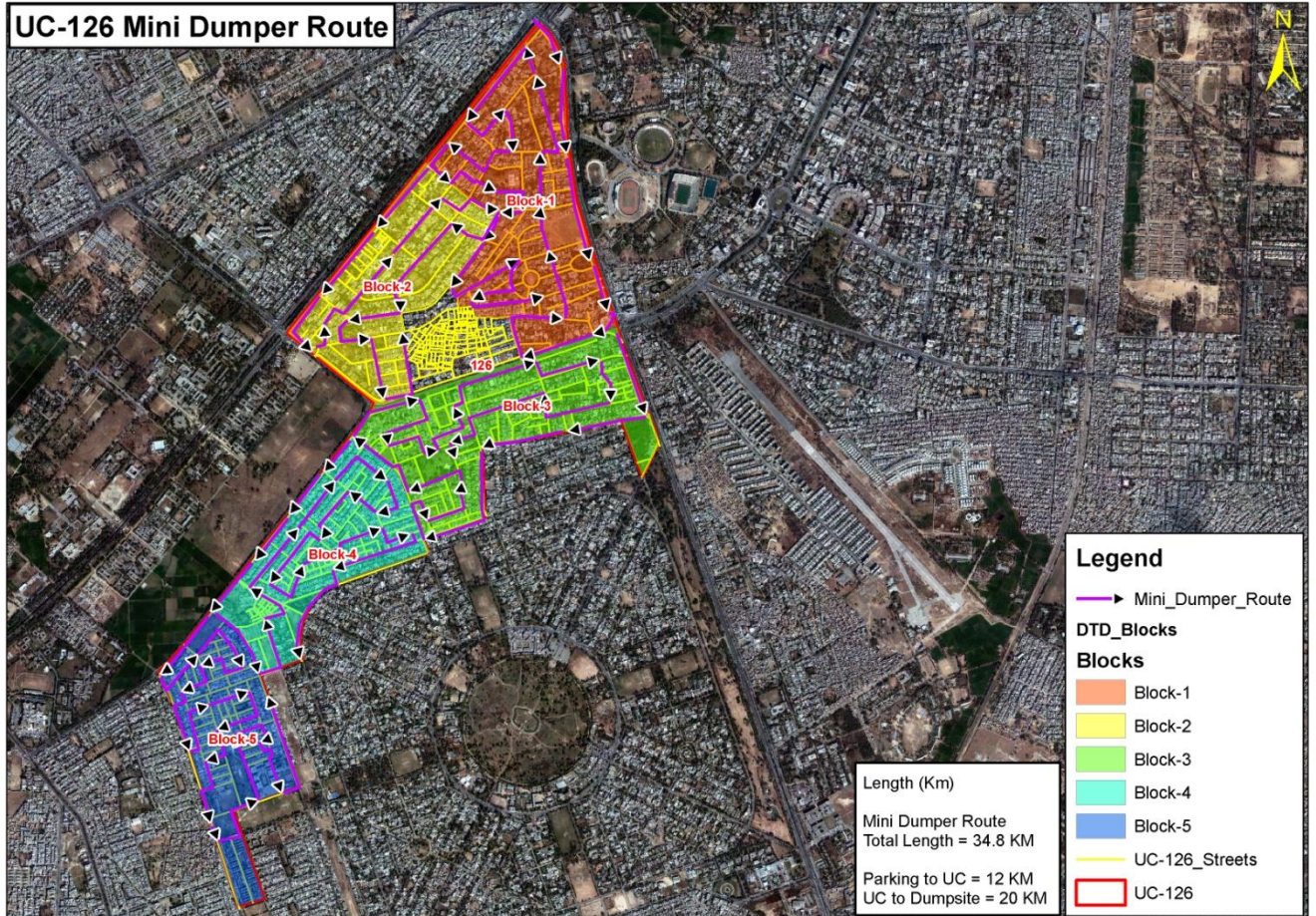


Mini Dumper: MD-12



Mini Dumper Driver: Kamran (0306-4122543) with 1 Helper (Properly Equipped)

Mini Dumper route map:



7 Problematic Point:

There following problematic points of uc 126

Jeevan hna Pind



Tipu Block ferozpur Road



8 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