

Özkartallar Campak Joint Venture



Solid Waste Management Plan for Dhally Flat (UC-129)

By:

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5TH FLOOR, SHAHEEN COMPLEX, EGERTON ROAD,

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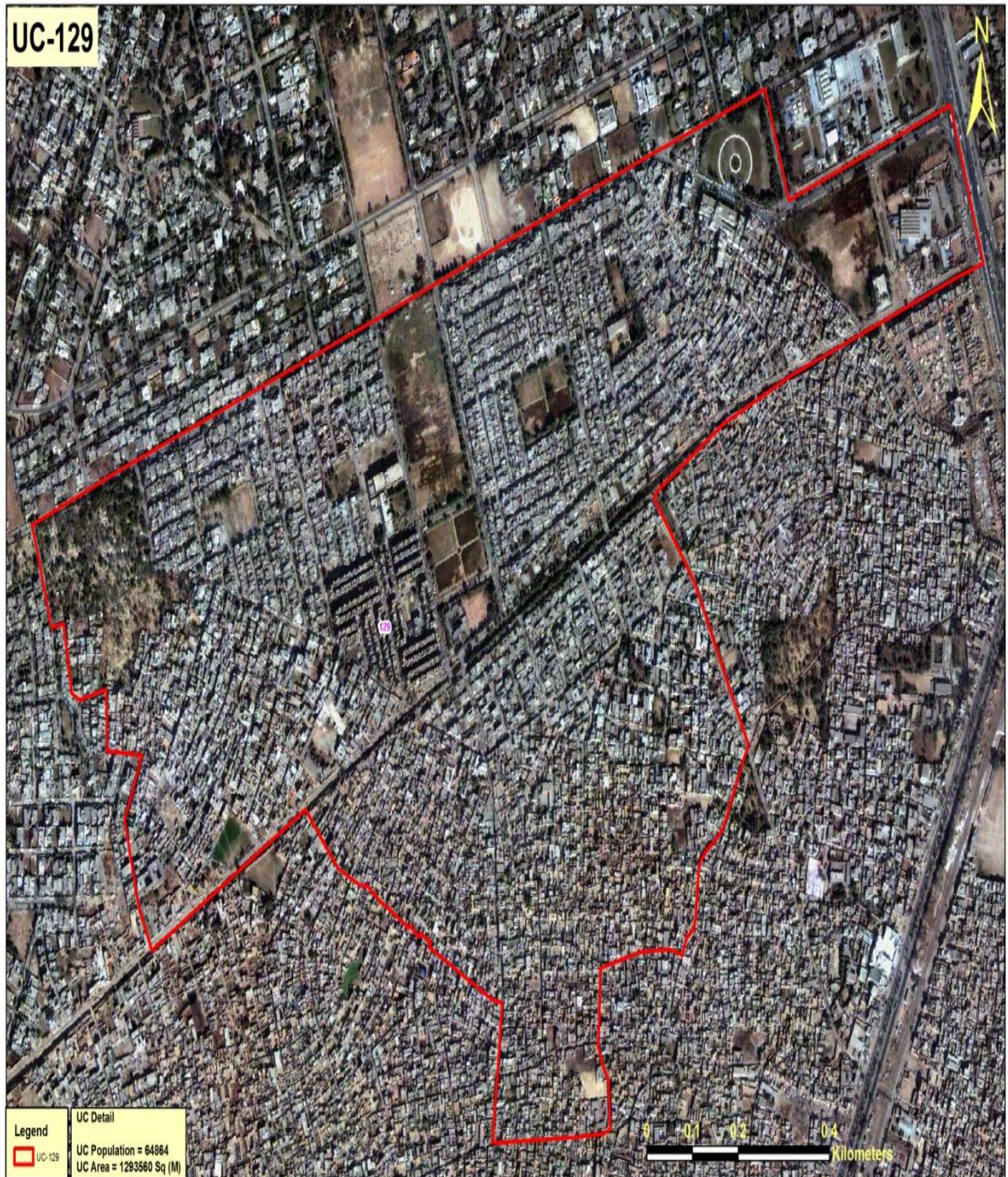
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Map of UC 129 Dhally Flat



1. Introduction

Union Council – 129 (Dhallay Flat) is located in Gulberg Town. Total area of the UC is 1293560 m² with population of 648641. This area is predominantly middle income area with planned settlement.

Supervisors

Sr. No	Name	Contact No.	Designation
1	Zeeshan	0335-4419944	Coordinator
2	Sohail	0311-7196190	LWMC Supervisor

Important Places of Union Council-129

From Sanitation point of view Union Council-129 has important Places like important Road Commercial Markets, Mosque, Imam Bargahs, Graveyard and educational Institute.

Sr.No	
Important Roads	
1	<ul style="list-style-type: none"> Feroz pur road No.3
Markets	
1	<ul style="list-style-type: none"> Ittefaq Market
2	<ul style="list-style-type: none"> Saleem palaza
3	<ul style="list-style-type: none"> Dhala bazar
4	<ul style="list-style-type: none"> R block
Mosque	
1	<ul style="list-style-type: none"> Milaad park wali masjid
Imam Bargahs	
1	Naja Bazar Imam bargah
Graveyard	
1	Gil Chowk
2	Ahmadia graveyard link road
Educational Institute	
1	<ul style="list-style-type: none"> Government Girls high school

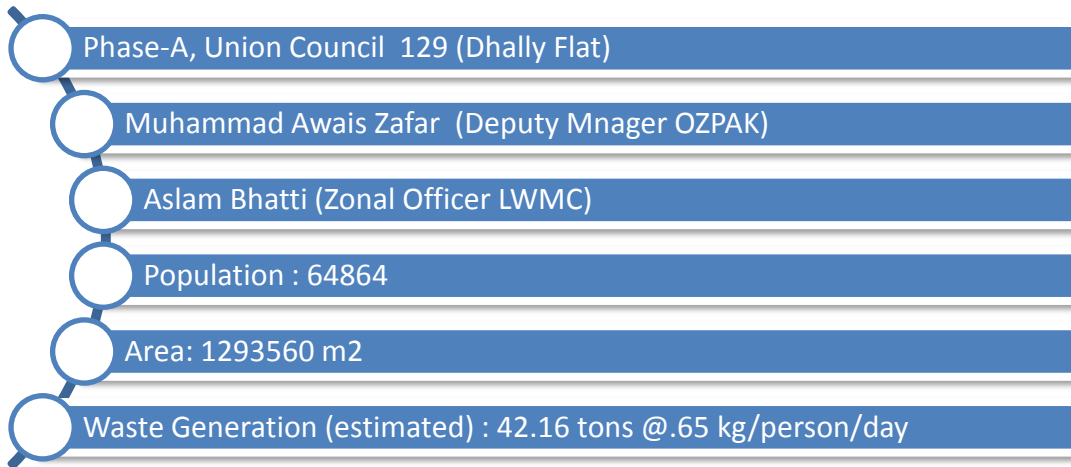
Main Road Pictures



2. Solid Waste Generation

Estimated solid waste generation is 42.16 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)

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- ✓ 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.

Beat list of UC 129

Name of Worker	Computer#	Beat Name
Sharief s/o samandar	13330	R Block
rani w/o manzor	10368	R Block
shariefan w/o ilyas	13310	R Block
Anayat s/o jona	789	Compactor
suraiyan w/o semuil	8156	S Block
semuil s/o fazal	788	S Block
musarat w/o rasheed	10570	S Block
Nureen s/o Rafique	797	S Block
hanifan w/o abduallah	800	Q Block
raj bibi w/o lal	802	dahlay flat
bashir w/o palwan	13329	Q Block
pervaiz s/o majha	787	Q Block
razzaq s/o nayamat	798	model colony
samina w/o razaq	10572	Q Block Model Town
sakina w/o bagha	29253	kausar colony
allah rakhi w/o nayamat	29254	kausar colony
khurram s/o Rasheed	801	liaqat abad thana + street
Dola s/o Shafi	13305	dhalay bazar liaqat abad
asif s/o sardar	10479	najaf bazar
Asia s/o Shahzad	10306	Q Block
Sobia s/o waqas	795	dhalay bazar dispensary
rifat w/o jan	9156	Israr road
benish w/o pitras	26676	saleem plaza
wilson s/o allah dita	18084	jhanda chowk = Street
nazeer s/o barkat	10488	malik street sadique street
waqas s/o ahmad	804	Compactor
perveen w/o anayat	790	shamoon church
pervaiz s/o pitras	13288	butt street choln peer
ashraf s/o hadayat	13313	nusrat road
khalid s/o hasan	13315	itfaq
Hanief s/o bota	13316	itfaq
Shafique	799	Compactor
majidan w/o manzor	13302	itfaq
amir w/o farzand	803	itfaq
javed s/o thela	13274	itfaq
bilal s/o ashraf	796	itfaq

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hameed s/o bagh	9327	C M House
kashif s/o ashiq	793	C M House
hadayat s/o miraj	8379	dhaly bazar flat main road
Zainab falak	13307	M D S O
javed s/o bagecha	13308	S-Block
rehmat s/o nanha	13209	salar road galya
bashir s/o samandar	13294	dhalay bazar main
azmat w/o anayat	10287	compactor
shafique s/o anayat	799	compactor
manawar s/o rehmat	10570	Absent
Nouman yaqoob	792	Q-Block
Bota s/o Bashir	1682	saleem plaza
Rozi s/o samuil	22271	S-Block
Yousaf s/o mehar	13309	Israr road
Ashraf s/o Bisu	13300	R-Block
Waseem s/o lal	28135	Baildar
Jeena s/o bibi	13333	Q-Block
Anayat s/o Shua	791	Compactor



Broom



Hand Cart



Whellie Bin



Shovel



Proper Uniform with PPE's



Waste Bag



Scraper



Shovel 1

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Monsoon SOP's (Long Boots & Rain Coat)

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.

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 57 waste containers are in place in Union Council at 29 different Points.
- ✓ Total waste storage capacity in 57 containers is 14.25 tons in two time lifting.

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- ✓ Two 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.



Compactor Hydraulic System



Compactor



Mini Dumper Hydraulic System



Mini Dumper



Broom



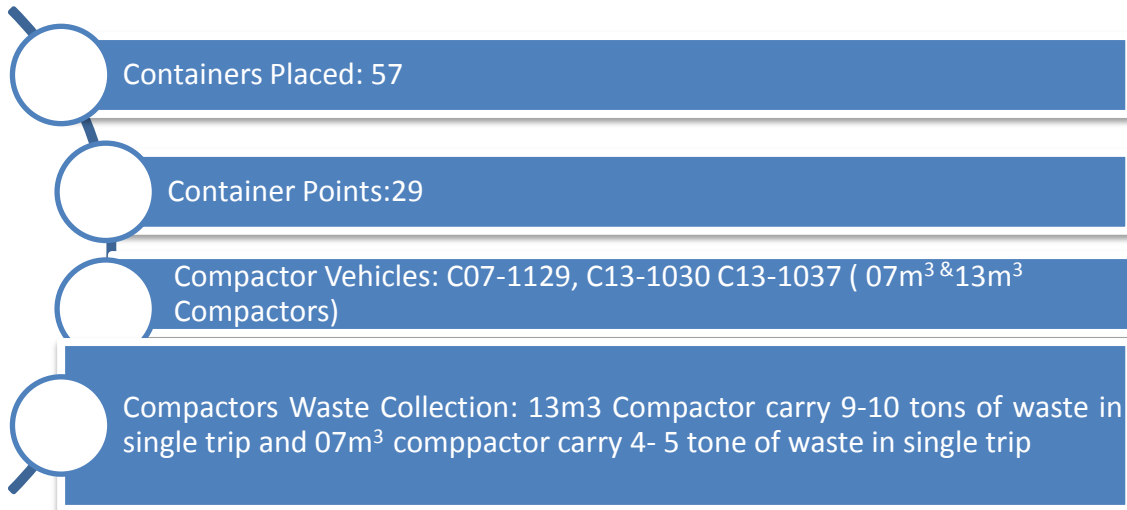
Shovel 1



Waste Bag

Pictorial View of Vehicles & Operational Equipment's for Helpers

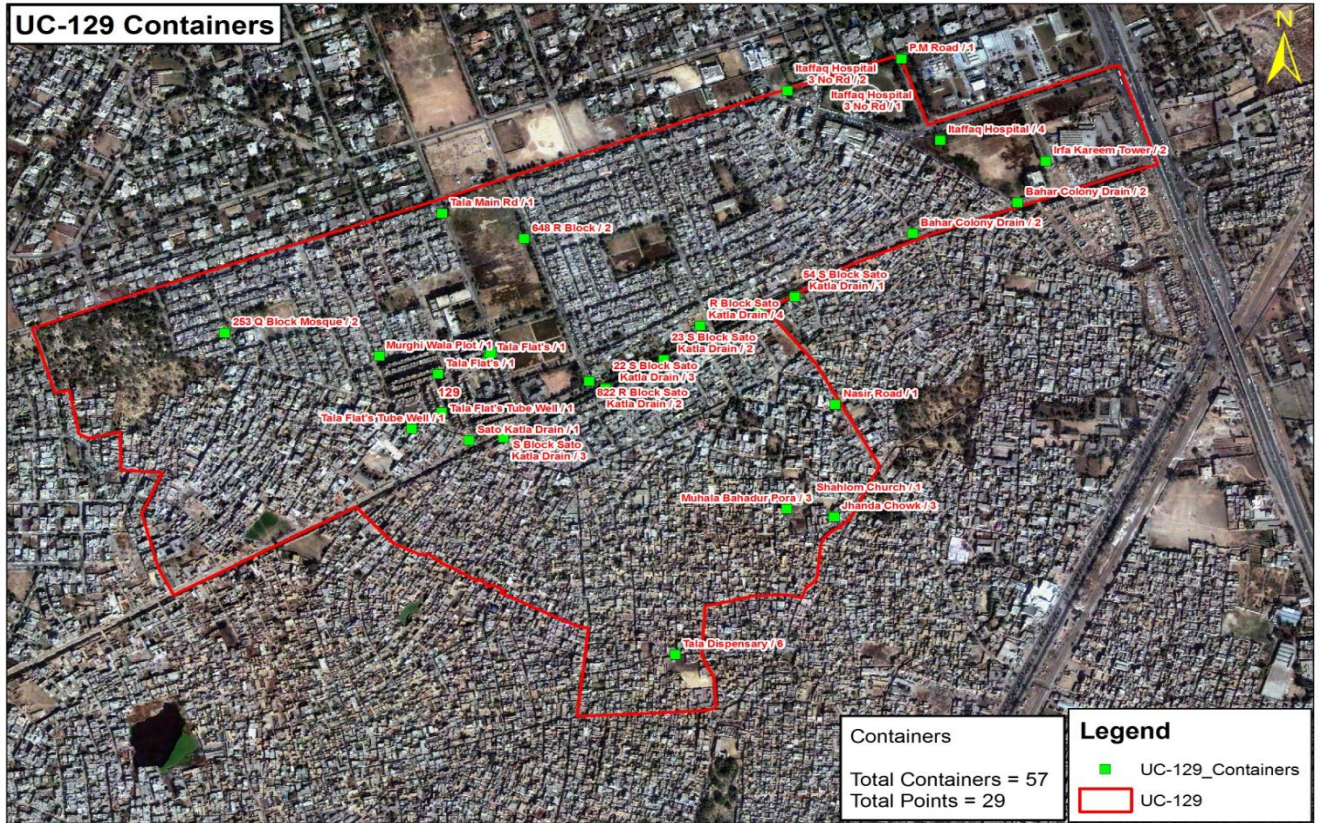
Solid Waste Collection Operation (Container Collection) Details



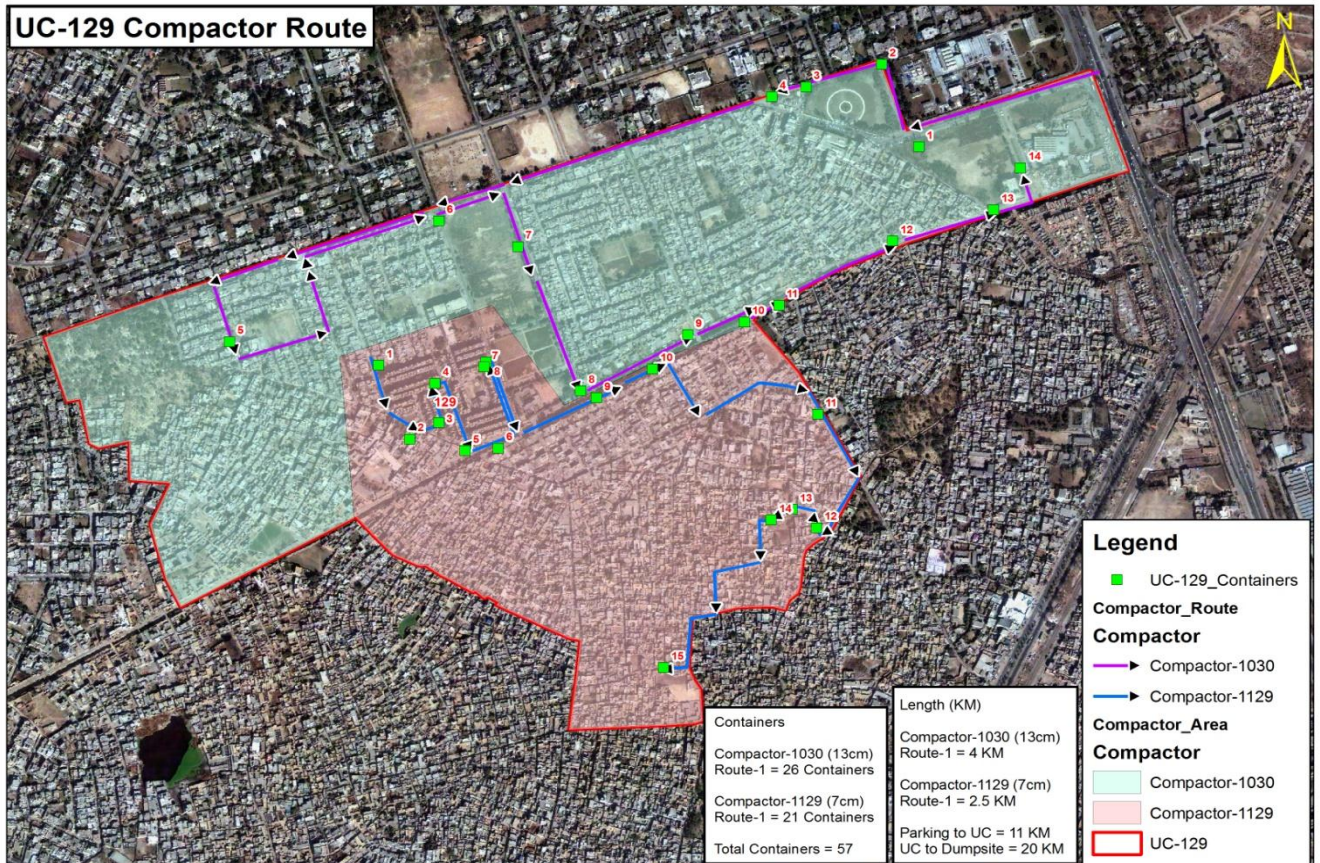
Compactor Vehicles Waste collection

13m³ Compactors make one trips in 1st Shift to Dumping 07m³ make 2-3 trips in 1st shift depend on waste condition in UC after lifting all Waste containers and Waste Heaps in its route.

Özkartallar Campak Joint Venture Location and Points of Containers



Compactor route:



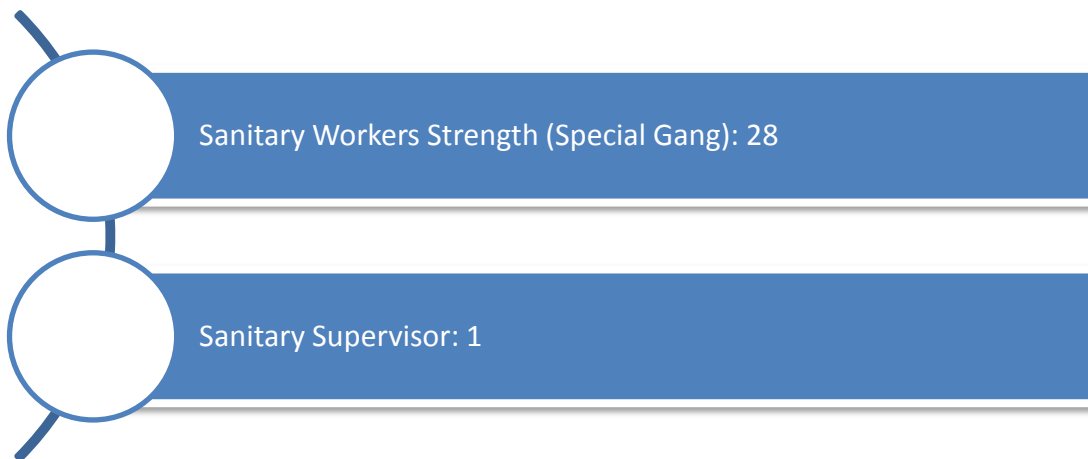
4.2 2nd Shift Plan

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 Dumping Site (Mehmood



Compactor Vehicles: C07-1123 (07m³ Compactors)



Compactor Waste Collection 2nd Shift: Compactor C07-1123 Covers Main Roads and Important Markets Containter Points covering Union Councils 129.

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
129	1129	Irfan Ali (0343-4952013)	129	1123	
	1030	Zafar Iqbal (0300-8128544)			

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

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to be displayed on the maps so that we can easily monitor and communicate with our responsible person during door to door collection Operation.

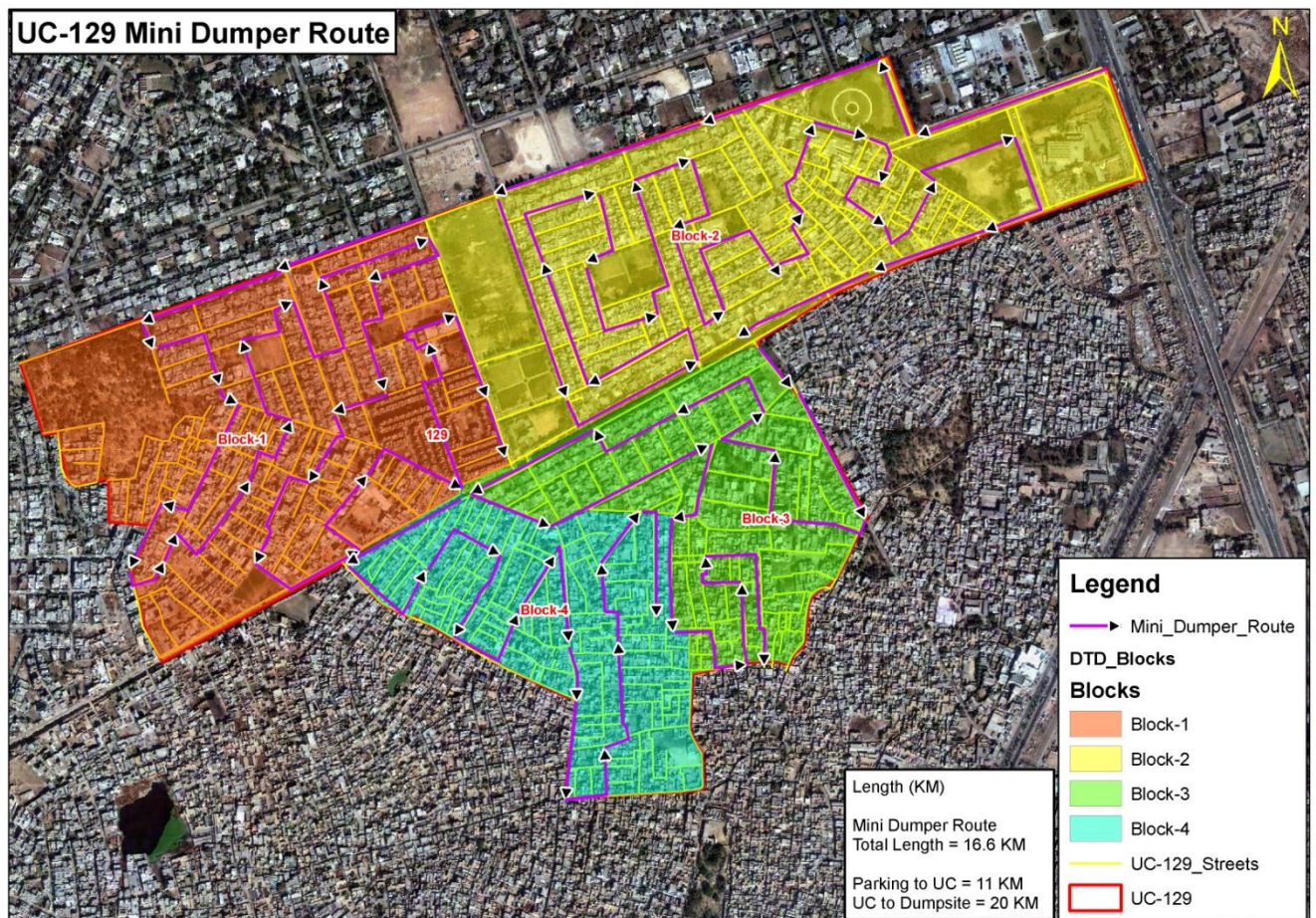
Door to Door Collection Details

We have deployed Mini Dumper in each union council i.e. MD-50 in UC-129. 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-50

Mini Dumper Driver: Muhammad Younis (0311-4401728) with 1 Helper (Properly Equipped)

Mini Dumper route map



7 Problematic Point.

Salaar Road Drain



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