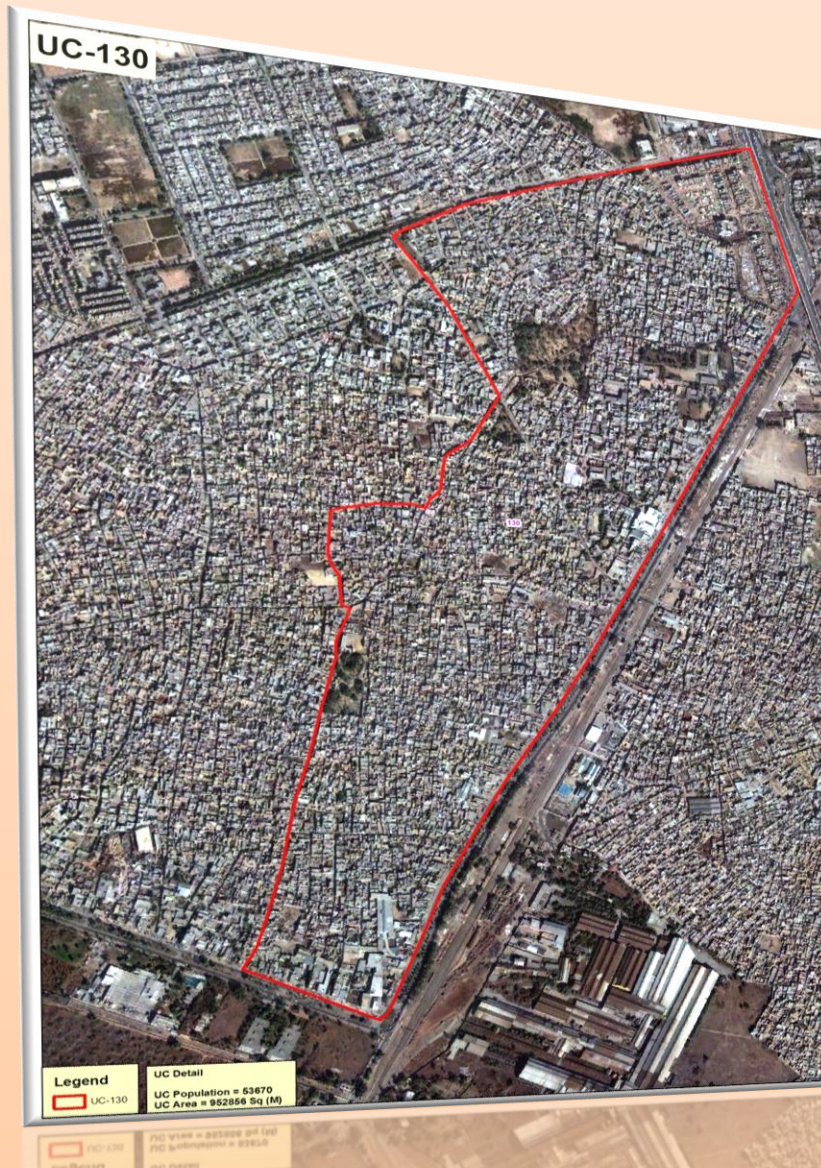


Özkartallar Campak Joint Venture



Solid Waste Management Plan for Kot Lakhpat (UC-130)

By:

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5TH FLOOR, SHAHEEN COMPLEX, EGERTON ROAD,

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Map of UC 130 Kot Lakhpat



1. Introduction

Union Council – 130 (Kot Lakhpat) is located in Gulberg Town. Total area of the UC is 952856 m² with population of 53670. This area is predominantly middle income area with planned settlement.

Supervisors

Sr. No	Name	Contact No.	Designation
1	Zeeshan	0315-4853468	Coordinator
2	Siddique Khan	0313-4873849	LWMC Supervisor

Important Places of Union Council-130

From Sanitation point of view Union Council-130 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"> • Peco Road,kot Lakhpat
Markets	
1	<ul style="list-style-type: none"> • Kamran wala bazar
2	<ul style="list-style-type: none"> • Akbar shaheed bazar
Mosque	
1	<ul style="list-style-type: none"> • Jaamia masjid Saabria
2	<ul style="list-style-type: none"> • Jaamia masjid Saabria
Imam Bargahs	
1	<ul style="list-style-type: none"> • Hazrat AbutTaalib darbar
2	<ul style="list-style-type: none"> • Baba aslam shaheed
Educational Institute	
1	<ul style="list-style-type: none"> • Fazal noor girls model high school
2	<ul style="list-style-type: none"> • Govt girls Middle high school
3	<ul style="list-style-type: none"> • Imtiaz public high school

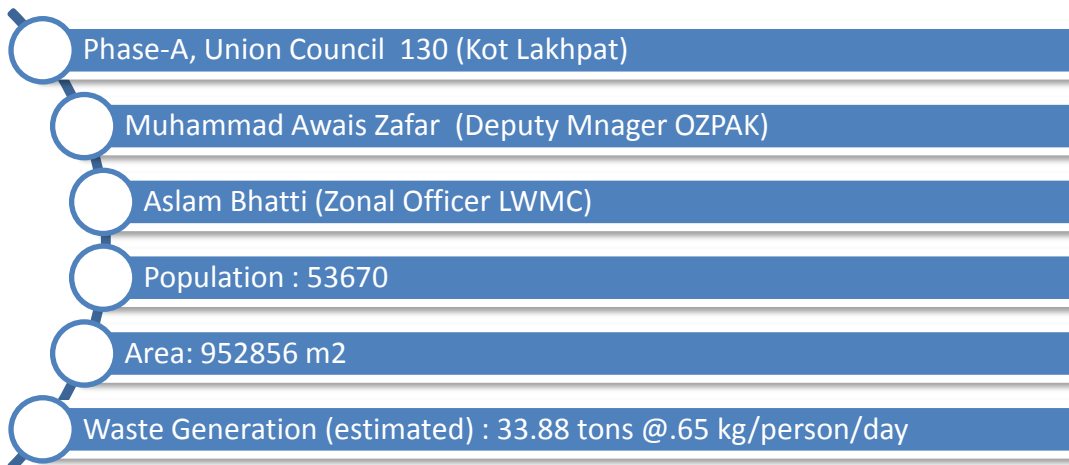
Özkartallar Campak Joint Venture Main Road Pictures



2. Solid Waste Generation

Estimated solid waste generation is 34.88 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.

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- ✓ Operational Requirement for Sanitary Worker includes Broom, Shovel, Wheelie Bin, Waste Bags, Scraper and Hand Cart.

Beat List of UC 130

Name of Worker	Computer #	Beat Name
Nayamat s/o dena	13295	Albadar plot
manawar s/o makhan	13275	imtiyaz school + street
ashiq s/o gulzar	13266	Aabadi kot lakhpat
rafique s/o barkat	13285	akbar shaheed chowk nadeem park
bota s/o chirag	13278	bahar colony f g church wali street
ashiq s/o jagindar	13279	main bazar bahar colony
ashiq gujjar	13289	baildar
amanwal s/o kala	13292	nasrat road
hayat s/o kala	13299	Nadeem Park
arif s/o miraj	13714	M P A Road
salamat s/o mola	13291	Lucky street
anwar s/o khan	13278	Bahar Colony
yasmin s/o jamil	13269	mohalah qasaya wala
saleem s/o pyara	13277	bahar colony tall wali gali
perveen w/o akbar	13286	ilyas street
gafor s/o miraj	13488	F G A ground road
rashidam w/o salamat	13260	nadeem park haji street wali gali
sakina w/o kala	13283	albadar road + street
razia w/o younas	13290	yasir bakrey + street
Salma s/o Javed	805	nadeem park doctor shehnaz street
ilyas s/o barkat	807	professor road bahar colony + street
yauqoob s/o siraj	808	insari mohalah + street
javed s/o sitar	809	peco road
nasreen w/o yauqoob	811	jahgra chowk + street
mukhtiyaran w/o yunas	812	saint fransis colony
Shafiq s/o Khushi	813	main peco road
nadeem s/o nazir	814	Mini dumper
amjad s/o barkat	817	ayub road
perveen w/o amanat	818	lucky street chaman street
zohra w/o zaqeer	822	chaudhary gafor nazam wali gali
tahira w/o shahzad	815	qabristan road
rehmat s/o moti	820	main peco road lino wali side
ilyas s/o sohan	810	compactor
jaga s/o bhala	806	main peco road lino wali side
Salma w/o Irfan	821	main peco road
Sam s/o Jamil	819	meni damper
Anwar w/o Sadiq	816	karmanwala bazar
jameel s/o faqeer	13263	jan muhammad darbar wali gali
bashiran w/o allah dita	6029	bahar colony nazam wali gali
maryam w/o iqbal	12957	karmanwala bazar
nusrat w/o anayat	13946	jan street wali gali

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nadeem s/o chanan	5726	ashiq street wali gali
ilyas s/o hanif	13268	shabnam colony wali gali
javed s/o bashir	8172	akbar shaheed main bazar
fiaz s/o ishaq	13271	nadeem park concler wali gali
salamat s/o ashiq	18104	salamat mohalah wali gali
sabran w/o pitras	13150	beshit road wali gali
Safia w/o salamat	18083	haji manzor wali gali
Abid s/o Safar	12459	Compactor



Broom



Hand Cart



Whellie Bin



Shovel



Proper Uniform with PPE's



Waste Bag



Scraper



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.

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 60 waste containers are in place in Union Council at 30 different Points.
- ✓ Total waste storage capacity in 57 containers is 15.00 tons in two time lifting..
- ✓ 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.

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Compactor Hydraulic System



Compactor



Mini Dumper Hydraulic System



Mini Dumper



Broom



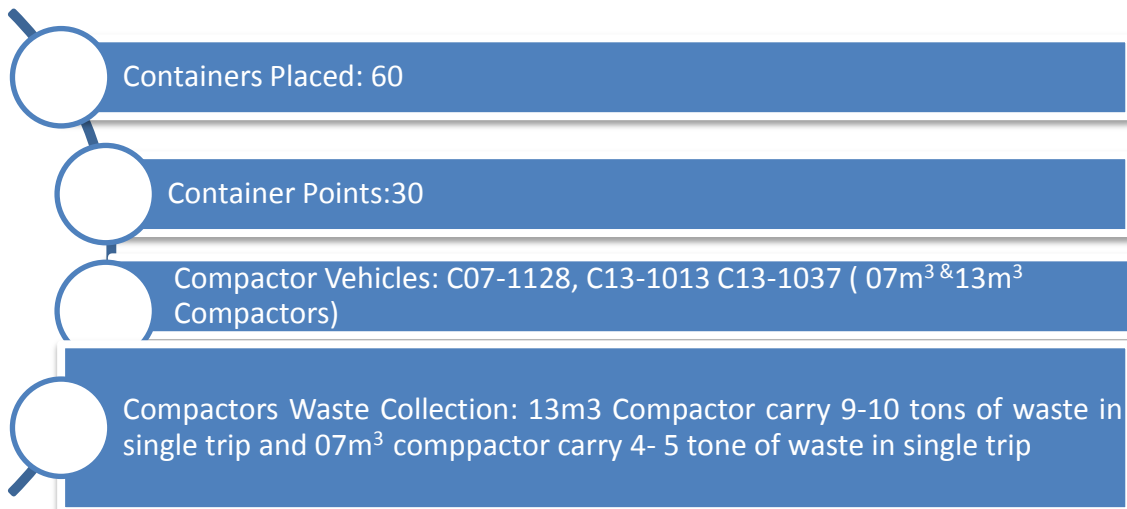
Shovel 1



Waste Bag

Pictorial View of Vehicles & Operational Equipment's for Helpers

Solid Waste Collection Operation (Container Collection) Details



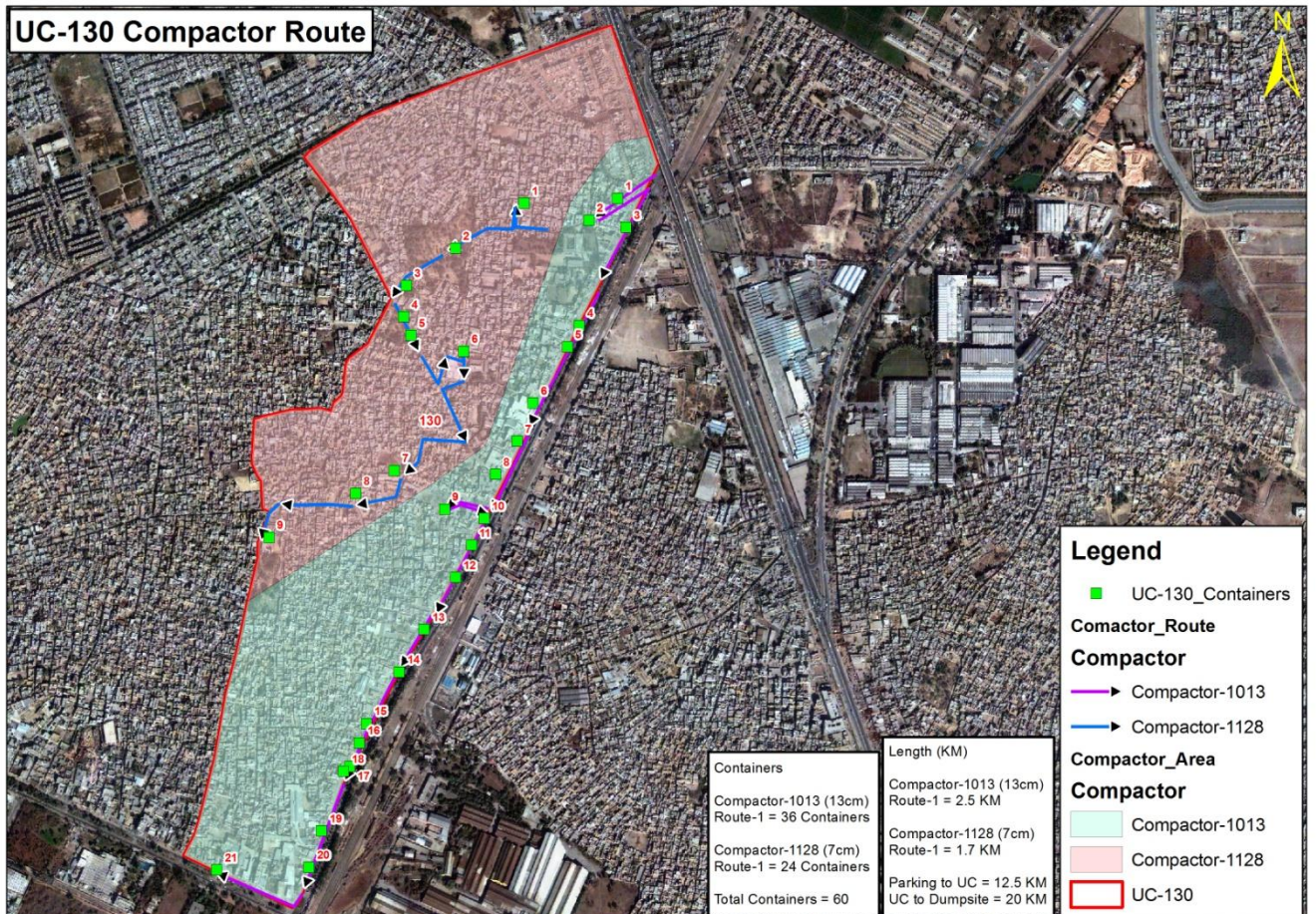
Compactor Vehicles Waste collection

13m³ Compactors make one trips in 1st Shift to Dumping 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:



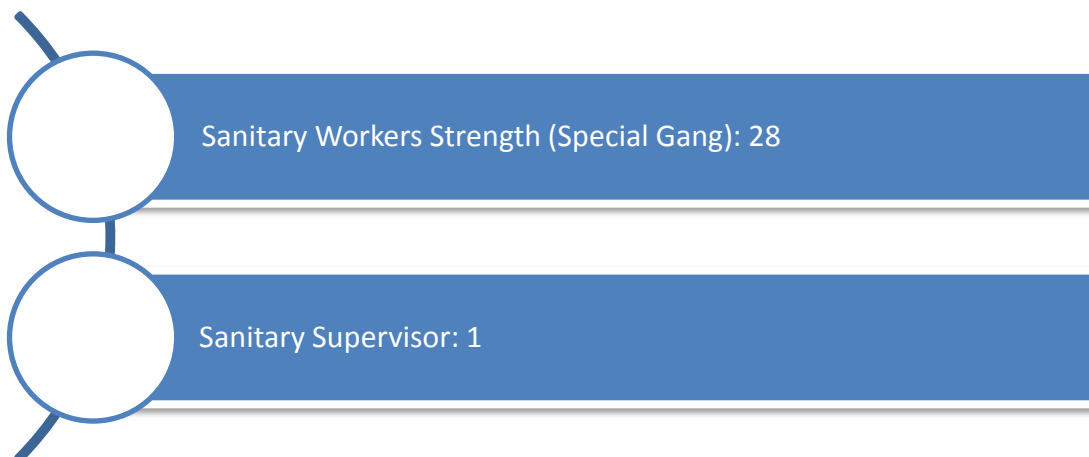
4.2 2nd Shift Plan

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.

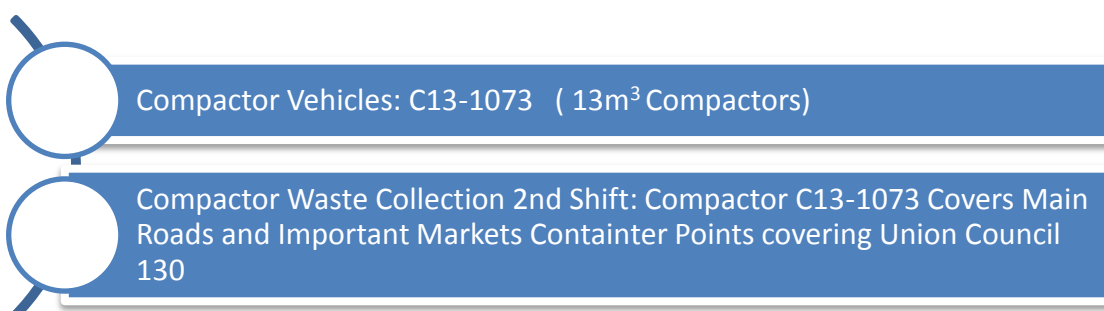
Manual Sweeping Operation Details



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 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
130	1128	Basharat (0314-4254607)	130 & 131	1073	Muhammad Masood (0304-0578832)
	1013	Khaleel (0304-4823903)			

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

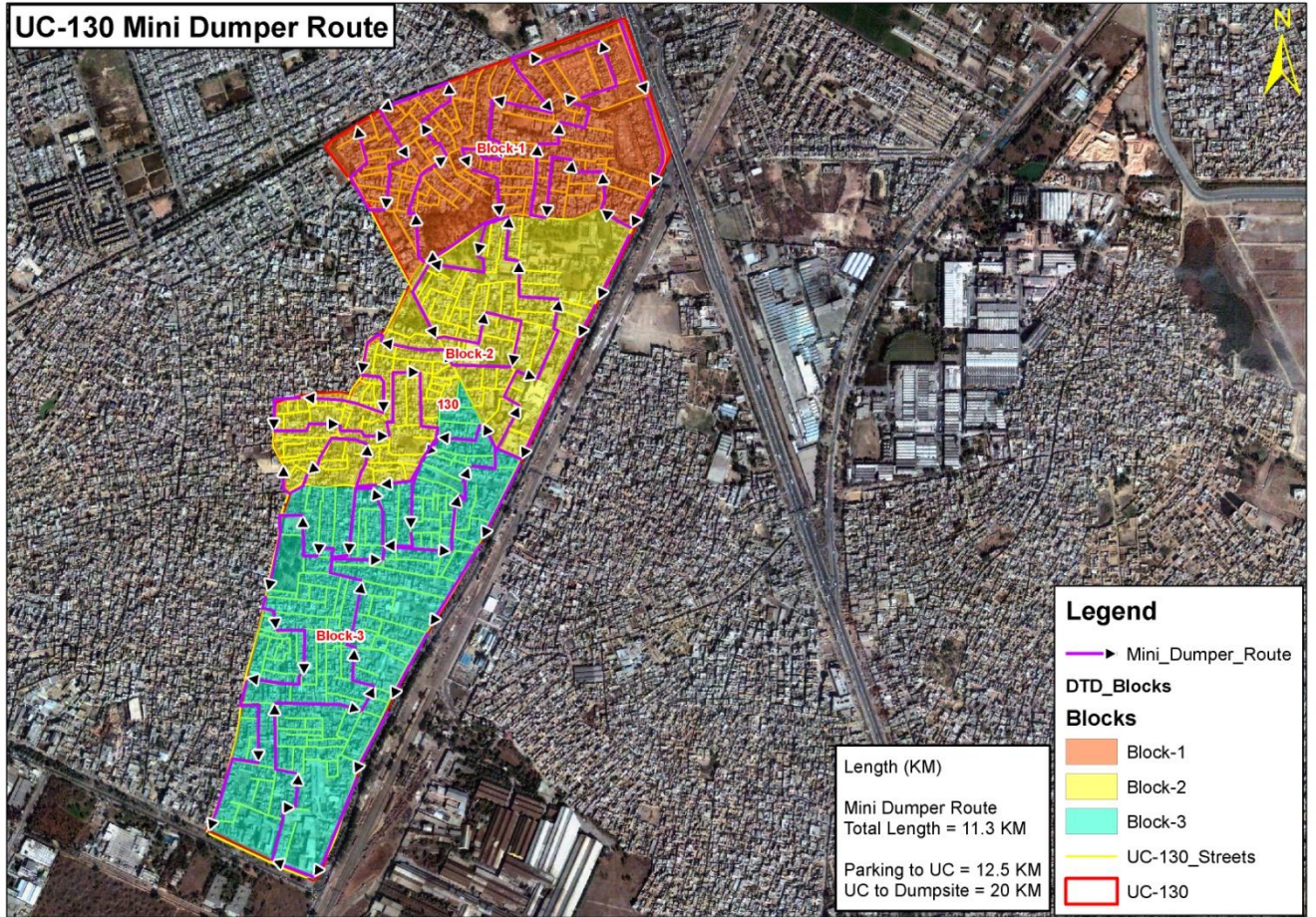
- ✓ Our Mini Dumper Door to Door Waste Collection System was working with 70-80 % efficiency but we have implemented a new plan due to which we are able to achieve 100% Door to Door Waste collection
- ✓ To make sure the efficiency of this plan to be 100% we collected all the background data necessary 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-25 in UC-130. 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 route map



7 Problematic Points:

Albadar Plot



8