

SOLID WASTE MANAGEMENT PLAN FOR ISMAIL NAGAR (UC-135)

This operational document contain the brief summary about the characteristics of the area, mechanism regarding the deployment of manual and mechanical resources .This document can be considered as brief operational guide for UC-135

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1. Facts

UC		135	
NAME OF THE AREA		Chungi AmarSidhu	
CATEGORY		Urban	
POPULATION		53808	
HOUSEHOLDS		10762	
GENERATION		29.5944	
MAJOR ROADS		Feroz pur road Kacha Jail Road	
MARKETS		Ismail najar Bazar Kacha jail road	
MOSQUES		Anwar madina masjid, Bilal masjid, Molvi amen masjid	
IMAM BARGAH		Ali manzil Imam bargah Hamid shah Imam bargah	
Deputy Manager Operation		Abdur Rehman (0322-2895540)	
AM LWMC		Zahid Mushtaq (0315-8666087)	
ZO		Mian Irshad (0313-4281609)	
UC Coordinator		Waseem (0304-0461069)	
SANITARY WORKERS	MALE	REGULAR	9
		WC	15
		S & C	6
		Z & C	12
		TOTAL	42
	FEMALE	REGULAR	2
		WC	1
		S & C	4
		Z & C	8
		TOTAL	15
GRAND TOTAL		57	
STATIONARY RESOURCES	NUMBER OF CONTAINERS	38	
	STORAGE CAPACITY (1 TIME LIFTING)	11.4	
	HAND CARTS	18	
	WHEELY	10	

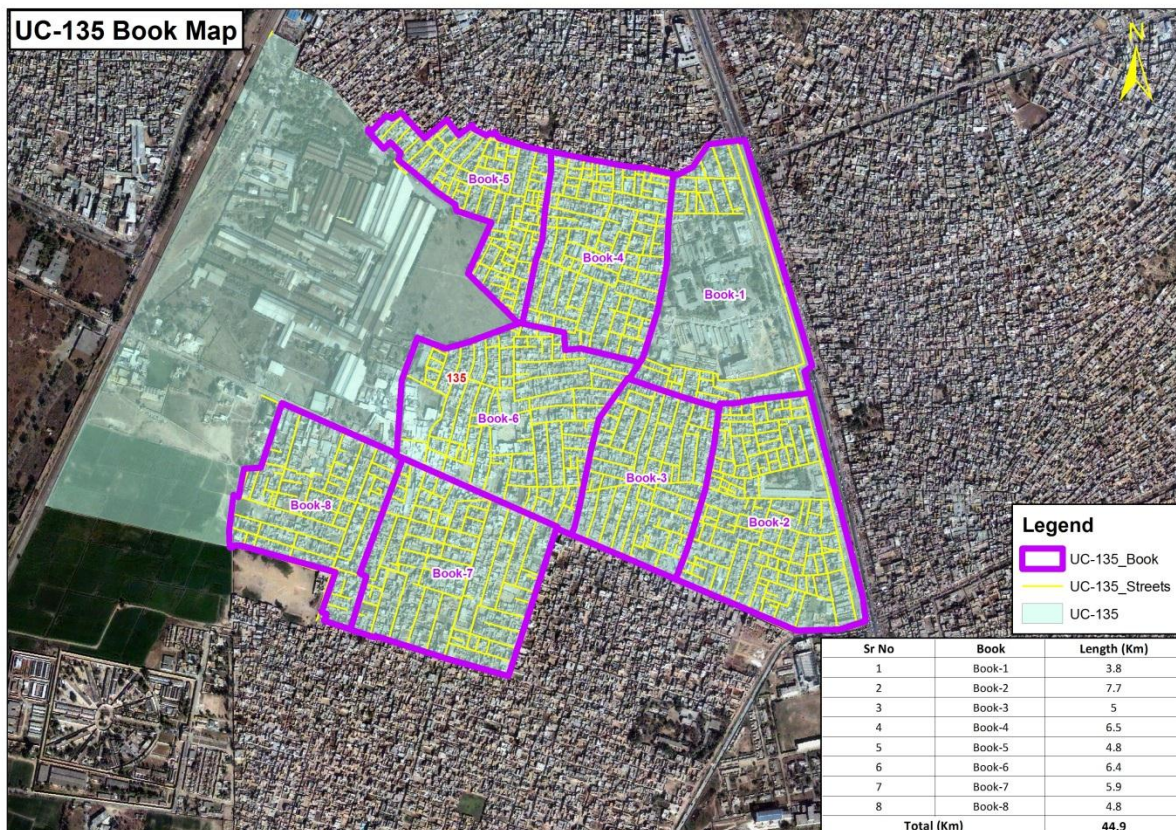
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		BINS		
MECHANICAL RESOURCES	COMPACTOR (7 m3)	1st SHIFT	1114	
		TRIPS	2	
		TRIPS	1	
		2nd SHIFT	1114	
		COMPACTOR (13 m3)	1st SHIFT	1001
			TRIPS	1
	TRIPS		1	
	2nd SHIFT		1026	
	MINI DUMPER	1st SHIFT	54	
		2nd SHIFT	0	

2. Introduction

Union Council – 135 (Ismail Nagar) is located in Nishtar Town. Total area of the UC is 1635859 m² with population of 53808¹. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 135 Ismail Nagar



¹ Punjab Development Statistics – 2011, Bureau of Statistics, Govt. of the Punjab

3. Solid Waste Generation

Estimated solid waste generation is 29.59 tons per day @ waste generation rate of 0.55 kg/person/day.

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:

5. Street Sweeping and Waste Collection by Sanitary Workers

5.1. Block Cleanliness Schedule:

UC 135 consists of Ismail Nagar and some slums including Muhala makhdom abad morchah wali gali, Jamiya masjid noor quaid-e-millat colony #7, Muhala rosol park # 3-4-5, Caltex pump wali galliyan, Muhala rasool park mana chowk, Cha cha general, store wali galliyan, Press ground. The areas having main roads, commercial markets, public buildings (schools, colleges, mosques) are being swept on daily basis (details given in beat list), and By keeping in mind the characteristics of the remaining block area (blocks didn't need sweeping on daily basis), a weekly plan of cleanliness of blocks has been devised and being summarized in the following table.

S.N	UN-ATTENDED AREA	NATURE OF PROBLEM	DAY OF CLEANLINESS ACTIVITY
1	Muhala makhdom abad morchah wali gali	Lack of workers	Monday
2	Jamiya masjid noor quaid-e-millat colony #7	Lack of workers	Tuesday
3	Muhala rosol park # 3-4-5	Lack of workers	
4	Caltex pump wali galliyan	Lack of workers	Friday
5	Muhala rasool park mana chowk	Lack of workers	Thursday
6	Cha cha general store wali galliyan	Lack of workers	Wednesday
7	Press ground	Open plot	Saturday

- All UC workers after cleaning there designated beats at 11am will be deployed in blocks as per above mentioned schedule.
- Solid waste is collected by sanitary workers from streets & households and hauled to container by wheelie bins/ hand carts.

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- Waste bags also used for roads sweeping

5.1.1. Beat list:

S.N	WORKER'S NAME	DESIGNATED AREA
1	YAQOOB S/O ROSHAN	RETIRED
2	ALLAH DITTA S/O BARKAT	MORNING 6 TO 8 FIROZ RUR ROAD THEN DATA GAN BAKSH AUR KHOROM ABAD
3	HADAYAT S/O SADIQ	MORNING 6 TO 8 FIROZ RUR ROAD THEN KHOROM ABAD MIAN STREET
4	SUGRAN W/O YAQOOB	MORNING 6 TO 8 AYUB ROAD THEN KHURAM ABAD MUHALA
5	BOOTTA S/O NAWAB	MORNING 6 TO 8 FIROZ RUR ROAD THEN AQAB MASJID MOLVI AND KHURAM ABAD
6	AMANAT S/O SHAREF	MORNING 6 TO 8 FIROZ RUR ROAD THEN ALI MANZIL GALLIYAN UC OFFICE
7	MUKHTAR S/O SAIN	BAILDAR
8	SHAHBAZ S/O BOOTTA	MUHALA TAQIR ABAD JANIB TARIQ CAMPO
9	LIAQAT S/O DENA	MITO MUHALA
10	ANAYAT S/O DENA	AWAMI COLONY
11	SHABIR S/O TEJU	RETIRED
12	MEHANGA S/O NAMAH	ZUBAIR COLONY
13	RAJAN W/O ANAYAT	QUAID-E-MILLAT COLONY MASJID NOOR
14	SHAMOON S/O LIAQAT	MUNIR CHOWK TO AWAN CHOWK WITH STREETS
15	FAROOQ S/O MEHANGA	MUHALA RASOOL PARK JANIB MASJID ANWAR-E-MADINA
16	IRFAN S/O ISHAQ	CALTEX PUMP ALONG STREETS TO AYUB ROAD
17	TANVEER S/O AHSAN	ITHAD COLONY
18	FIAZ S/O BARKAT	CHIRAGH PARK MUZAMIL PARK
19	VICRAM S/O SHAREF	MUHALAH RASOOL PARK MUNIR CHOWK
20	MUHAMMAD JAWAD ASHRAF	
21	BUSHRA W/O MANZOOR	GALLI NO 7,8,9 QUAID-E-MILLAT COLONY
22	RIAZ S/O LAL	GANDAL CHOWK MULHIQA STREET AZAM GUJAR
23	NOMAISH S/O BARKAT	MUNIR CHOWK ALONG WITH STREETS
24	SALEEM MASEEH S/O MANSHA MASEEH	ABSENT

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25	Samoial Masih s/o Shahbaz	MUHALA TARIQ ABAD
26	Adil Masih S/O Shareef	MORNING 6 TO 8 FIROOZ PUR ROAD THEN HANIF CAMPORA STREETS
27	Asif Masih S/O Managa	CHA CHA GENERAL STORE FOR5AM ABAD
28	Kosar Bibi	MADINA TOWN
29	Sharif S/O Mangta	MORNING 6 TO 8 FIROZ PUR ROAD THEN ITFAQ FOUNDRY
30	Pervaiz S/O Chanan	MINI DUMPER
31	Boota S/O Soda	GALLI # 25 BARF KHANA BHULY SHAH PARK
32	PERVEEN BOOTA	RAY MUTSUB WALI GALLIYAN
33	SAMRA W/O ZULFIQAR	
34	MANGO BIBI W/O BASHIR	AMEEN PAN SHOP WITH STREETS
35	RANI BIBI W/O SADIQUE	GALLI # 11,12,13 MADR-E-MILLAT COLONY
36	SAJAD S/O MUKTHAR	MINI DUMPER
37	BABU LAL S/O PARBOO MASIH	AYYUB ROAD
38	SHAMIM W/O SHAHBAZ	MUHALA TARIQ ABAD
39	LIAQAT MASEEH BHATTI	GALLI # 10 QUAID-E-MILLAT COLONY
40	ROOBI LIAQAT	GALLI # 10 QUAID-E-MILLAT COLONY MUHIQAH GALLIYAN
41	ADWAN ALBERT	ISMAEEL NAGAR ABAD
42	NASREEN SALEEM	AYYUB ROAD
43	NAEEM	ABSENT
44	SAUNNY S/O BASHEER	ABSENT
45	HAMEEDAN BIBI	HERBANS PURA GROUND WITH STREETS

6. Solid Waste Storage

6.1. Waste Storage Facility

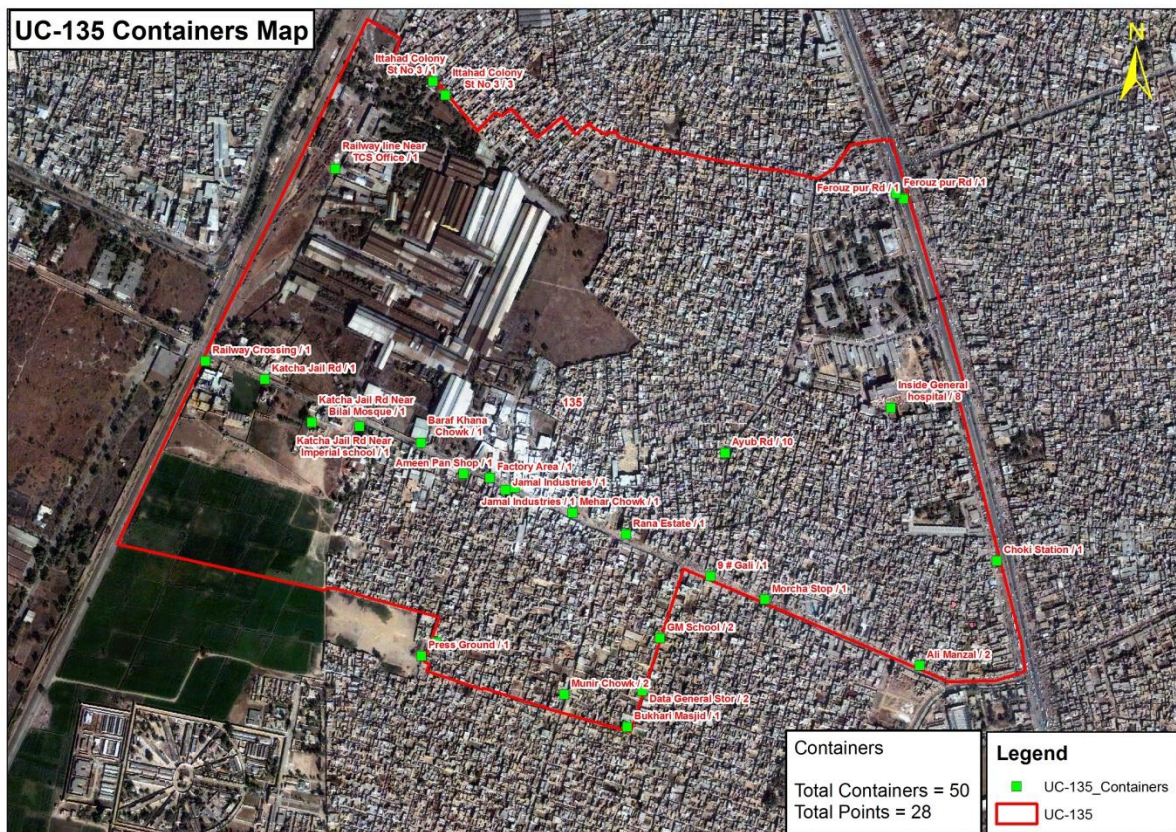
- Currently 51 waste storage containers are placed at 20 different points.
- Storage capacity is 20.4 tons in one time lifting
- Lifting is operational in 2 time

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6.2. Points of Containers

S.N	LOCATION	NO.OF CONTAINERS	DISTANCE TO NEAREST CONTAINER	CONDITION
1	Bilal Masjid Kacha Meel Road	1	700m	ok
2	Munir Chowk	2	600m	ok
3	Quaid-E-Milat Colony	4	400m	ok
4	Ayub Road	11	600m	ok
5	Chugi Metro Station	1	800m	ok
6	Ithad Colony	3	piko phatak	ok

FIG 2: Container Points



7. Solid Waste Collection & Transportation

7.1. Route for Compactor

S.N	LOCATION	NO.OF CONTAINERS	TIME OF LIFT(1114)
1	bilal masjid	1	6:45
2	press club	2	7:10
3	munir chowk	2	7:40
4	gondal chowk	1	8:00
5	quaid-e-millat colony	4	8:50
6	ayub road	11	10:00
7	ayub road pr dobara amad	11	11:15
8	gali # 10 quaid-e-millat colony	4	12:20
9	gondal chowk	1	12:50
10	munir chowk	2	1:00

S.N	LOCATION	NO.OF CONTAINERS	TIME OF LIFT(1026)
1	pico phatak kacha meel road	1	7:20 7:25
2	nasir packegs factory	1	7:30 7:35
3	riksha factory k samny	1	7:40 7:45
4	sheikh store k samy	1	7:50 7:55
5	mian umar building material store	1	7:57 8:00
6	toka wali gali	1	8:03 8:08
7	suzuki show room k samny	1	8:10 8:15
8	morcha wali gali	2	8:17 8:27
9	ali manzil	2	8:30 8:40
10	punjab small industry	1	8:45 8:48
11	jumma khan lakri tal	1	8:50 8:53
12	khan luxry tail	1	8:55 8:58
13	wapda grid k samny	1	9:00 9:05
14	chungi amar sahdo feroz pur road	1	9:35 9:40
15	gazi chowk feroz pur road	2	9:45 9:55
16	qanci metro bus	1	9:58 10:02
17	HBL bank road feroz pur road	1	10:05 10:10
18	HBL exposs feroz pura road	1	10:12 10:15
19	itfaq road ithad colony	2	10:30 10:40
20	ali homiyopatik store	2	10:45 10:55
21	water disposal k sath railway line	2	11:00 11:10
22	WASA tube well railway station	5	11:15 11:45
23	ithad colony	4	11:48 12:20

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FIG: 3 Compactor Route

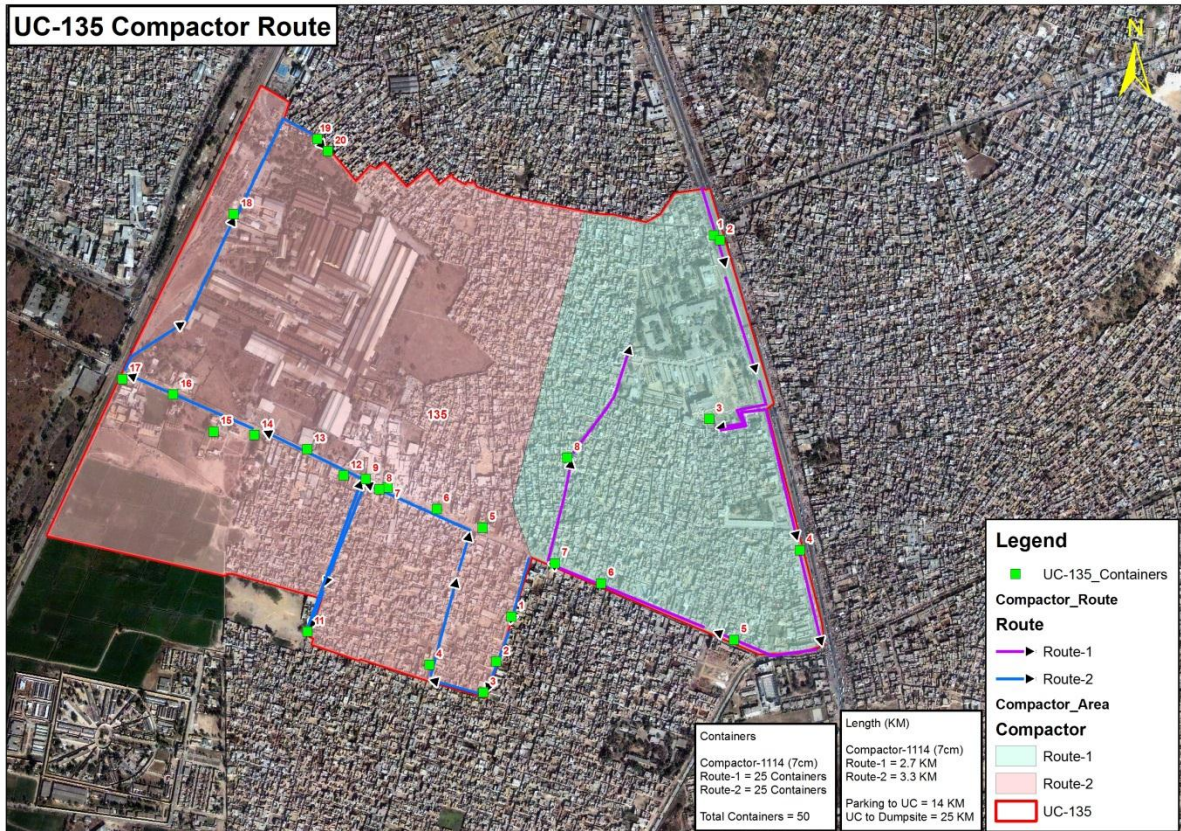


FIG: 4 Compactor Route 1114

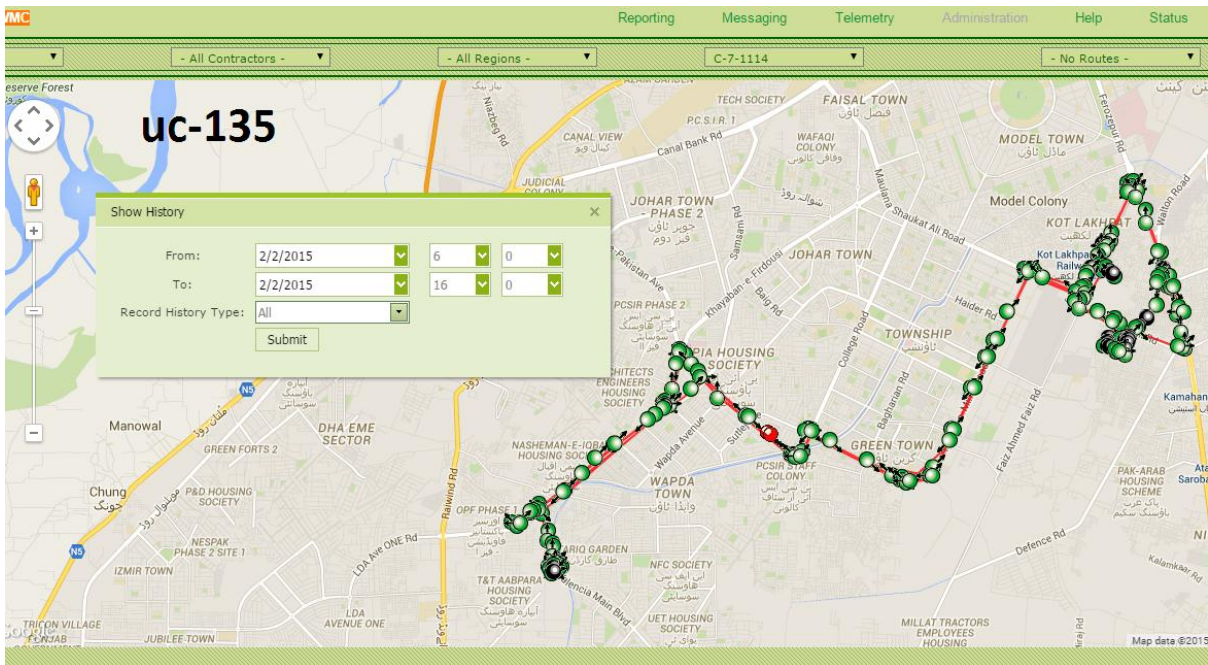
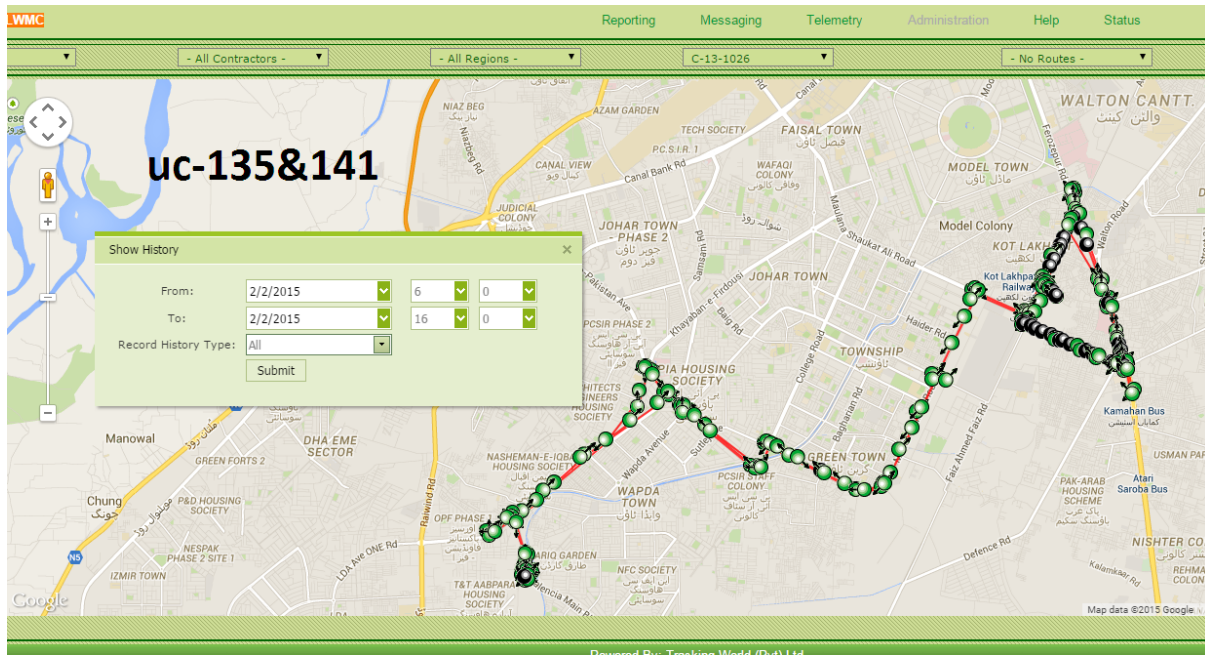


FIG:5 Compactor Route C-1026



7.2. Staff Deployment for Compactor Vehicle

Shift Supervisor = Rizwan (0324-4094234)					Shift Supervisor = Hashtam (0314-4055483)				
1st shift					2nd shift				
UC	Vehicle No.	Driver Name & Mobile	Name of Helpers	Rest Day	UC	Vehicle No.	Driver Name & Mobile	Name of Helpers	Rest Day
134	1121	Ali Abbas (0322-4843927)	Pervaiz Mukhtar	Tuesday	142	1121	M.Ramzan	UC worker's	Thursday
			Pervaiz Labha		145				
135 Ring	1026	Jahangir (0315-4249958)	Kashif Asif	sunday		1082	Ijaz Masih (0311-4509428)	Amjad Anayat	
			Asif lasha					Javid Labha	
135	1114	Irfan Anwar (0300-8169277)	Munawar Faqir	Thursday	135	1124	M.Amir	Shahzad Nazir	Sunday
		Arshad Channa							
137	1124	M. Arshad (0322-4341136)	Sabir Hera	Sunday	137			Amjad Anayat	
			Sabir Anayat						
141	1082	M. Javid (0302-4255228)	Aslam Ashiq	sunday					
			Rasheed Yousif						
142	1014	Safdar	Pervaiz	Saturday					

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		Masih	Basheer						
145			Arshad Barkat		146	1114	Sabir Boota (0321-6734992)	UC worker's	Wednesday
146						146 ring	1126	M.Fasial	Dilawar Shafi Fazal Bashir
Extra Drivers & Helpers			Tanveer Nazir			Extra Drivers & Worker's		Amir Ali	Friday
			Nazir Anayat					Younas Bashir	
			Willam Niamat					Waqas Nazir	

8. Door-to-Door Collection

One dedicated mini-dumper is assigned for the door to door collection in the UC. Moreover majority of the area comprises of congested streets. So, it is not possible for the mini-dumper to collect waste from all the area. To cater the issue workers are assigned areas for the collection of waste from houses which can't be served by mini-dumper. A comprehensive plan is made for that purpose. One helper is fixed with the mini-dumper for collection purpose.

1 st Shift		
UC	MD	Driver Name & Mobile No.
134	MD-69	Rafiq Masih (0321-4525029)
135	MD-54	M. Arshad (0333-4305785)
137	MD-70	M. Usman (0321-4681771)
141	MD-19	Mahboob Alam (0321-4280400)
145	MD-15	Boota (0300-4669296)

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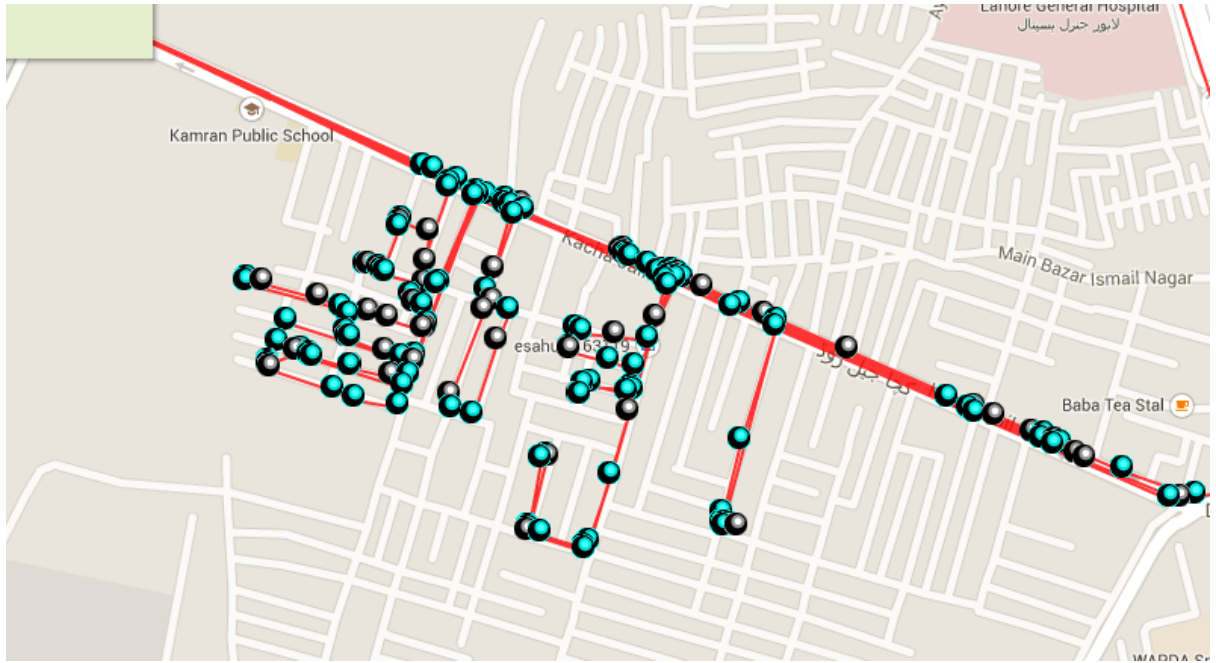


FIG: 6 Door-to-Door Collection MD-54