



2015

VALENCIA WORKSHOP

Solid Waste Management Plan for Raywind (UC-149)



BY:

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DEPUTY MANAGER

OPERATION

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1. Facts

UC		149	
NAME OF THE AREA		Lahore road Sunder road Qasoor road	
CATEGORY		Rural	
POPULATION		60626	
HOUSEHOLDS		12125	
GENERATION		33.3443	
MAJOR ROADS		Lahore road Manga road Sunder road Qasoor road	
MARKETS		Madina market Jinnah market Rana goga market Hashmi market MD centre	
MOSQUES		Masjid Usmania Masjid Taaha Baba bahar shah wali masjid Bilal masjid Madina masjid	
IMAM BARGAH		Darbar baba Rehmat shah Imam bargah Husaania railway colony Haidri imam bargah	
EDUCATIONAL INSTITUTES		Government Girls high school	
IMPORTANT OFFICES		Civil Hospital PTCL Govt hospital ARmy head quarter	
SANITARY WORKERS	MALE	REGULAR	42
		WC	7
		S & C	2
		Z & C	17
		TOTAL	68
	FEMALE	REGULAR	1
		WC	0
		S & C	0
Z & C		0	

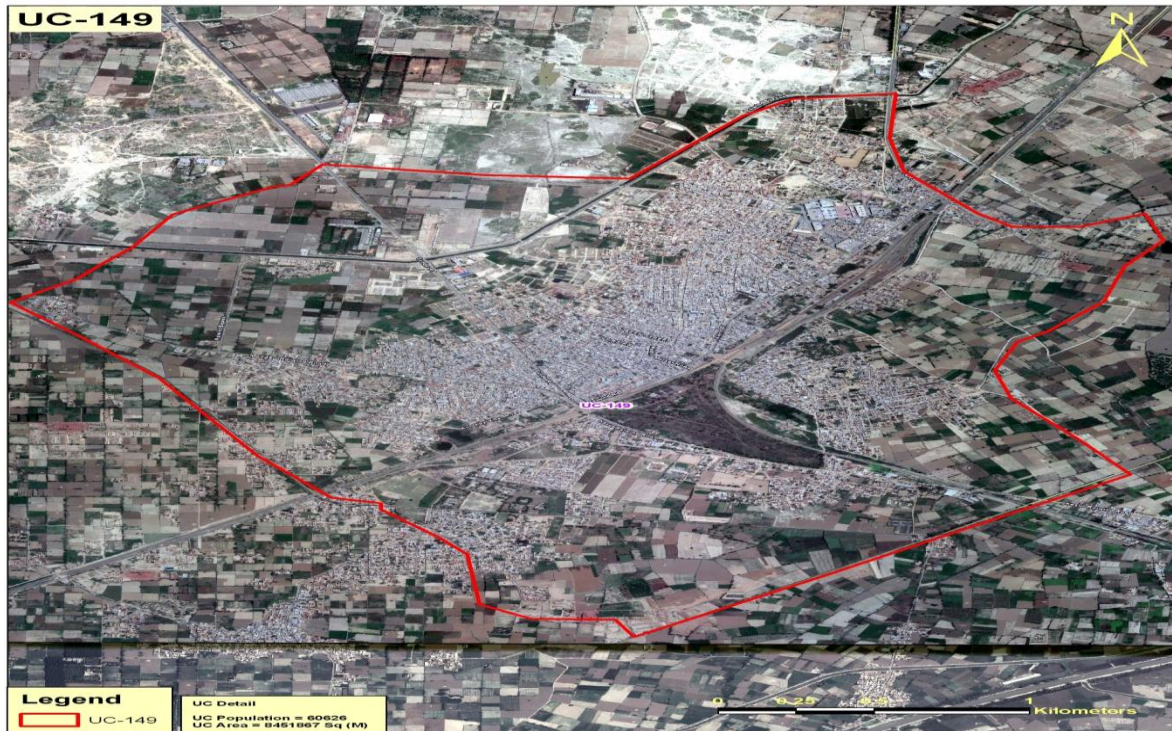
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		TOTAL	1
	GRAND TOTAL		69
STATIONARY RESOURCES	NUMBER OF CONTAINERS		57
	STORAGE CAPACITY (1 TIME LIFTING)		17.1
	HAND CARTS		26
	WHEELY BINS		11
MECHANICAL RESOURCES	COMPACTOR (7 m3)	1st SHIFT	1140
		TRIPS	2
		TRIPS	1
		2nd SHIFT	1140
	COMPACTOR (13 m3)	1st SHIFT	1073
		TRIPS	1
		TRIPS	0
		2nd SHIFT	0
	MINI DUMPER	1st SHIFT	29
		2nd SHIFT	0

2 Introduction

Union Council – 149 (Raywind) is located in Allama Iqbal Town. Total area of the UC is 8451867 m² with population of 60626. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 149 Raywind



3 Solid Waste Generation

Estimated solid waste generation is 39.4 metric tons per day @ waste generation rate of 0.65 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 Beat system

Workers are allocated their fixed area of working or beats. Beats are designed to distribute the work load equally. Generally a street length of 1000 metre is assigned to every worker.

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UC-149			
Sr#No	Comp#No	Name	Beat
1	25038	KALA S/O OJAGAR	SARWAR COLONY
2	25039	IQBAL S/O MANDA	SHEAK MAJEED CONSALAR WALI GALI
3	25040	ASHIQ S/O BOOTA	SENEMA ROAD TO GALI IMAM BARGA
4	25081	AMEER S/O OJAGAR	ARSHAD COLONY
5	25042	MANSHA S/O BARKAT	ALI PUPLIC SCHOOL TO HAJI ARIF WALI GALI
6	25043	YOUSAF S/O OJAGAR	LAHORE ROAD
7	25044	ADALAT S/O MANDA	GALA SHEAK GAFOOR TO JAMIAMASJID RAIWAND
8	25045	HEERA S/O MANDA	BHATTI CHOWK TO MASJID BABA JHANDE SHAH
9	25046	SIDDIQUE S/O SHARIF	GALI DOCTER YUOSAF TO DARBAR BABA RAHMAT SHAH
10	25041	TUFAIL S/O TEJU	GALA AHSAN WALA
11	25049	ARSHAD S/O AMEER	MISION COLONY
12	25050	BASHIR S/O BAO	LAHORE ROAD
13	25054	RURA S/O SADIQ	QASOOR ROAD
14	25057	RAFIQUE S/O SHARIF	GALI HAJI RAFIQ TO DARBAR BABA BAHUDUR SHAH
15	25058	GULZAR S/O ASHIQ	GALI JAHANGIR CONSALAR TO BABA DIYAAL
16	25059	JAN S/O INAYAT	SENEMA ROAD TO GALA AHSAN WALA
17	25060	INTEZAR S/O ASHIQ	LAHORE ROAD
18	25061	YAQOOB S/O WASAKHI	MAIN BAZAR
19	25062	LADU S/O JUJJ	AMEEN PURA
20	25063	DILBAR S/O CHEEBA	GALA SHARAFAT ALI GOGA
21	25064	SARWAR S/O FAQEER	RAILWAY ASTATION TO GALI SANYARAIYAA WALI
22	25065	RAJU S/O FARYAD	GALI SURAYA MASJID TO GALI AKBER WALI
23	25067	REHMAT S/O BASHIR	MADINA MARKET TO GALI YOUNAS WALI
24	25068	MUNAWAR S/O FAQEER	BHATTI CHOWK
25	25069	LIAQAT S/O DHARO	BADHA COMPACTER
26	25070	LIAQAT S/O ASHIQ	GALI HAJI TAJDIN TO GALI MALIK DIN
27	25071	MUNZOR S/O AMEER	GALA SABER ARAYAA WALA TO JAVAID MAQSOOD CONSALAR
28	25073	SALEEM S/O FAQEER	MAIN BAZAR
29	25075	SAKINA W/O MEHTAB	MAIN OFFICE RAIWIND
30	25076	SHAHID S/O SARDAR	GHOST MARKET

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31	25077	ALLAH RAKHA S/O SARDAR	GALI BASHEER CONSALAR TO RAFIQ CONSALAR
32	25078	BABAR S/O KHADAM	DAFTER UNION CONSALAR TO FAQEER ROAD
33	25080	KALA S/O RAJA	MANGA ROAD
34	25081	KALA S/O DULLA	LAHORE ROAD
35	25082	ISHAQ S/O SADIQ	HADARIYAA WALA GALA
36	25086	M. MALOK S/O M. DIN	MASHKI
37	00506	YOUNAS S/O NAWAB	BADHA COMPACTER
38	80578	ILYAS S/O SARAJ	LAHORE ROAD
39	25053	NADIR S/O KHADAM	GALI FIRDOS WALI TO YASEEN DHEAKEDAR
40	9650	AMIR NAZIR	MASJID MOLVI MAQBOOL TO MASJID KARMAWALI
41	9640	KHALID KHADIM	SUNDAR ROAD
42	9636	JUGE MASIH S/O SHARIF	MANGA ROAD
66	26059	DILAWAR S/O YOUSAF	SMALL COMPACTER
67	30310	ABDULRAZAQ S/O ISHAQ	SUNDAR ROAD
43	25088	DHOLA S/O RURA	SMALL COMPACTER
44	25072	KHURRAM S/O RURA	KOTRADA KISHION ROAD
45	25052	IMRAN S/O CHEEBA	MANGA ROAD
46	09469	WALAYAT S/O MALOOK	ARSHAD COLONY
64	08574	PHOOLA S/O RORA	SUNDAR ROAD
65	22071	HADAYAT S/O ANAYAT	SUNDAR ROAD
47	548	KHUSHI MUHAMMAD S/O M.RAFIQ	MISION COLONY
48	549	CHAND S/O MAHIWAL	SENAMA ROAD
49	550	SAFDAR S/O ISHAQ	GALI HAFEEZ LOHAR TO MANGA ROAD
50	551	KISHAN S/O JAJJ	MANGA ROAD
51	552	WARASAT S/O KHAWAJA	MAIN BAZAR
52	553	WARYAM S/O IQBAL	AHMAD ADAB
53	554	SHAFQAAT S/O KHALID	SUNDAR ROAD
54	555	ASHRAF S/O BOOTA	IMAM BARGA HUSSAINIYA TO JAVAID GUJAR

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55	556	ALLAH RAKHA S/O IQBAL	SUNDAR ROAD
56	557	AKMAL S/O M.ALI	RAILWAY COLONY
57	558	RUSTAM S/O CHEEBA	SUNDAR ROAD TO GALA CHUDARY ALLAH DITA
58	559	SHER KHAN S/O GOGA	MD
59	560	AKRAM S/O KHARAAT	MANGA ROAD
60	561	AWAIS AHMED	ANDROID MOBILE OPREATE
61	562	M.ISHFAQ S/O M.GULZAR	MUHALLAH BAO KHAN WALA
62	563	NADIR S/O SADIQ MASIH	RAILWAY COLONY
63	564	MAKHAN S/O IQBAL	MD

6 Solid Waste Storage

6.1 Waste Storage Facility

- Currently 49 waste storage containers are placed at 27 different points.
- Storage capacity is 12.25 tons in one time lifting
- Lifting is operational in 3 times

6.2 Points of Containers

Sr. No.	Location	Number
1	Sohail hospital sundar road	1
2	Chara mandi sundar road	2
3	Telephone exchange sundar road	3
4	Ilyas kabarian sundar road	1
5	Kasoor road	1
6	Near Thana city	1
7	Lari ada lahore road	7
8	Sabaz mandi Lahore road	2
9	National bank lahore road	1
10	Bonus insari lahore road	2
11	Mandan market lahore road	2
12	Kamaiti ghr lahore road	2
13	Hakeem rasheed lahore road	2
14	Jao house lahore road	1

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15	Jao jump lahore road	1
16	Usmania masjid lahore road	1
17	Civil hospital lahore road	1
18	Billah hotel lahore road	1
19	Al rehman hospital lahore road	1
20	Railway station hospital road	1
21	Mehmood shah street manga road	1
22	Iram model school Manga road	1
23	National petrol pump manga road	1
24	Baba baha shah kabrastan manga road	2
25	Ravi ada manga road	1
26	Chara mandi manga road	1
27	Naqara container office	8
Total		49

7 Solid Waste Collection & Transportation

7.1 Route for Compactor

A detailed time and motion study of the compactor is performed to access the collection efficiency of the compactor and ensure the timely lifting of the containers.

COMPACTOR ROUTES WITH TIME AND MOTION STUDY

UC & ZONE: 23, 149			
COMPACTOR NUMBER: 1140,1073			
SHIFT: 1 ST			
DRIVER NAME: Gourge Masih,Saleem			
CONTACT NUMBER:			
APPROXIMATE MILEAGE:			
DEISEL CONSUMED:			
PER KILOMETER DIESEL CONSUMPTION:			
S.N	LOCATION OF CONTAINERS	NUMBER OF CONTAINERS	TIME OF LIFTING
1	Elyas Kabariye Wale Gali Sundar Road	2	07:00
2	Telephone Exchange Sundar Road	2	07:10
3	Arshad Colony Sundar Road	1	7:20
4	Sabzi & Fruit Mandi Sundar Road	1	7:30
5	Patheyay wali mandi Sundar Road	2	7:45
6	Sohail Surgical Hospital Sundar Road	1	8:00
7	Gosht Market Sundar Road	6	8:40
8	Jamia Masjid Main Bazar	1	8:50

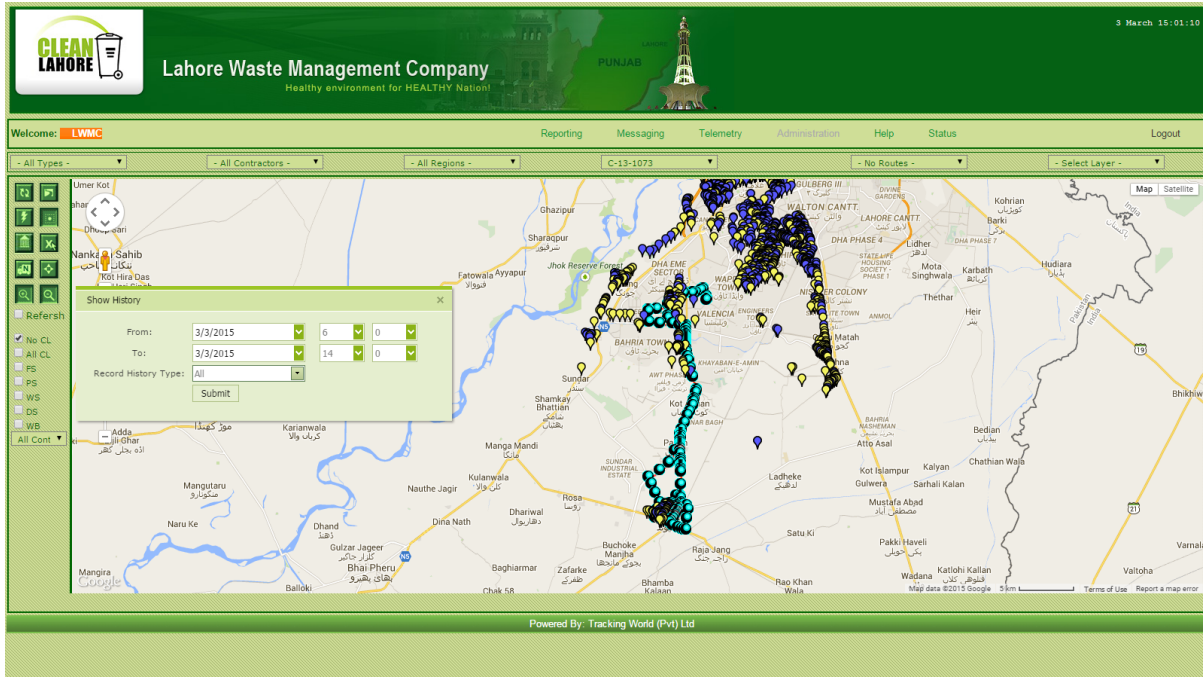
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9	Gali Ahsan Wali cinema Road	4	11:00
10	Dera Gugran Wala	1	11:30
11	Railway Colony	2	11:50
12	Ali Public School Railway colony	1	12:00
13	Gulbarg Town	1	12:15
14	Mulvi Mitho Wali Masjid	1	12:30
15	Gourmet Beckry Lahore Road	2	7:00
16	Civil Hospital Lahore Road	2	7:15
17	Jawa Jump Lahore Road	2	7:30
18	Raiwind Pakwan Lahore Road	1	7:40
19	Gvt.girls High School Lahore Road	3	8:00
20	MCB Bank Lahore Road	2	8:20
21	Model Bazar Raiwind Lahore Road	4	8:30
22	Bus Stand Lahore Road	3	9:15
23	Loharan Wali Masjid Manga Road	1	9:25
24	Shell Pump Manga Road	2	9:45
25	Darbar Baba Bahar Shah	3	10:00
26	ALM Printing Press Manga Road	2	10:20
27	Itehad Goods Manga Road	1	10:45

7.2 Staff Deployment for Compactor Vehicle

Compactors Zone-23									
Overall Incharge = Muhammad Usman Tariq (03008480538)									
Shift Supervisor = Imran (0324-4807432)				Shift Supervisor = ()			Shift Supervisor = ()		
1st shift				2nd shift			3rd shift		
UC	Vehicle No.	Driver Name & Mobile	Name of Helpers	Vehicle No.	Driver Name & Mobile	Name of Helpers	Vehicle No.	Driver Name & Mobile	Name of Helpers
149	1073	Muhammad ramzan (0324-4538578)	from uc	-	-	-	-	-	-
149	1140	Nazir masih (0342-4221649)	from uc	-	-	-	-	-	-

8 Compactor Route



Compactor Route 1073

9 Door To Door Waste Collection

9.1 System for D-T-D Waste Collection

- 1 Pickup for door to door waste collection
- Waste collected by pickup will be unloaded into nearby Compactor or transfer station.
- Compactors are also collecting waste if found in waste bags on road or in front of home or shop
- A fixed route is assigned to the mini-dumpers for collection.

10 Issues

- 11 Poor infrastructure
- 12 Rural Area
- 13 Animal Waste
- 14 Encroachments
- 15 Open Plots heaps
- 16 Illiteracy

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