



2015

VALENCIA WORKSHOP

Solid Waste Management Plan for Chung (UC-121)



BY:

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DEPUTY MANAGER

OPERATION

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1. Facts

UC		122	
NAME OF THE AREA		Mohlanwaal Khurd pur Mraka Ali hussain abad	
CATEGORY		Rural	
POPULATION		57572	
HOUSEHOLDS		11514	
GENERATION		31.6646	
MAJOR ROADS		Multan road Deffence road Canal road	
MARKETS		Haneef market(MARKA) AL-Haneef market(Mohlanwaal)	
MOSQUES		Hafiz Ashraf wali masjid Bilal masjid Madina masjid Jaamia siddique masjid	
IMAM BARGAH		Mohlanwaal AL-Sheikh Nawazish Imam bargah Baba nokar shah Najaf colony Hussain Abad	
EDUCATIONAL INSTITUTES		Boys high school Girls middle school Khurd primary school	
IMPORTANT OFFICES		MotorWay Highway	
SANITARY WORKERS	MALE	REGULAR	5
		WC	7
		S & C	5
		Z & C	10
		TOTAL	27
	FEMALE	REGULAR	0
		WC	0
		S & C	0
		Z & C	7
		TOTAL	7
GRAND TOTAL		34	
STATIONARY RESOURCES	NUMBER OF CONTAINERS	46	

	STORAGE CAPACITY (1 TIME LIFTING)		13.8
	HAND CARTS		10
	WHEELY BINS		4
MECHANICAL RESOURCES	COMPACTOR (7 m3)	1st SHIFT	1127
		TRIPS	2
		TRIPS	0
		2nd SHIFT	0
	COMPACTOR (13 m3)	1st SHIFT	1069
		TRIPS	1
		TRIPS	0
		2nd SHIFT	0
	MINI DUMPER	1st SHIFT	72
		2nd SHIFT	0

2 Introduction

Union Council – 121 (Chung) is located in Allama Iqbal Town. Total area of the UC is 20783134 m² with population of 55010. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 121 Chung



3 Solid Waste Generation

Estimated solid waste generation is 35.75 metric tons per day @ waste generation rate of 0.65 kg/person/day.

4 Major Roads

- Multan Road
- Chung Bazar
- Adalat Shah Road

5 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:

6 Street Sweeping and Waste Collection by Sanitary Workers

6.1 Sweeping Plan

- Workers will be deployed on Main roads and linked streets after Android attendance.
- Main Road and linked streets will be clear till 8:30 am.
- Beats will be assigned to workers which will be cleared till 10:00 am
- After 11:00 am workers will work in Groups to cover the unattended areas.

6.2 Beat List

Sr.No	Computer No	Name	Beat
1	22157	SHOUKAT S/O GARBAJAN	VILLEGE WORKING
2	22137	REHMAT S/O SIRAJ	DESILTING
3	22159	BABU S/O KALO MASIH	MUHALLA TOOR WALA
4	22136	ANWAR S/O BOOTA MASIH	KOMBOH COLONY
5	327	SAFDAR S/O ALLAH DITTA	NASIR GONJHA
6	22162	HANIF S/O DIN MASIH	DESILTING
7	328	PERVAIZ S/O YAQOOB	GOURMET BECKRY TO CANAL ROAD
8	22158	NIAMAT S/O BAGGU MASIH	VILLEGE WORKING
9	29669	ASHRAF S/O TAJ DIN	GOURMET BECKRY TO CANAL ROAD

10	22135	ASHIQ S/O MUNZOR MASIH	SHADAB COLONY
11	22156	BOOTA S/O FAIZ	VILLEGE WORKING
12	326	ASHIQ S/O SARWAR	DESILTING
13	520	SADIQ S/O BAGGA	TOOR WALA MUHALLA
14	539	AZIZ S/O JEEBA MASIH	MAIN ROAD
17	22155	SHAKEEL MASIH S/O SHABEGA MASIH	JHANDA CHOWK
15	29301	YOSUF S/O MANZOOR	SHADAB COLONY
16	5665	JAFIR S/O MUKTHAR	MAIN ROAD
18	523	MAQSOOD S/O MAQBOOL	OFFICE WORKING
19	513	ARIF S/O ALLAH DITA	DESILTING
20	530	GHULAM FAREED S/O JAMEEL	MUHALLA TOOR WALA
21	522	ZARINA W/O MANSHA	MAIN ROAD TO ATTOCK PUMP
22	528	SHABANA W/O TALIB	MAIN ROAD
23	526	NASREEN W/O SHOUKAT	MAIN ROAD
24	505	RAZIA W/O MUNIR	JHANDA CHOWK
25	519	ROZI S/O MANSHA	TOOR WALA MUHALLA
26	508	NASEER S/O SARDAR	MAIN BAZAR CHUNG
27	521	TAYYAB MASIH S/O SARDAR MASIH	MAIN BAZAR CHUNG
28	518	KANEEZ BIBI W/O MUNIR MASIH	MAIN BAZAR CHUNG
29	524	PERVAIZ S/O MUKTHAR	KOMBOH COLONY
30	507	SHAMEEM W/O JAFIR	MAIN ROAD TO CANAL ROAD
31	527	SHAMEEM MUBARIK	SHADAB COLONY
32	529	AZRA BIBI	MAIN ROAD
33	517	VEERA BIBI	MAIN ROAD
34	502	ZAHRA W/O AMEER	DESILTING
35	501	MANSHA S/O WALAYAT	SHADAB COLONY
36	509	MANSHA S/O CHAN	GOURMET BECKRY TO CANAL ROAD
37	510	ASHFAQ S/O WALI MOHAMMAD	GOURMET BECKRY
38	514	RAQIA BIBI	JHOGI PEER DARBAR
39	525	MUNIR S/O DOGAR MASIH	MAIN BAZAR CHUNG
40	520	RIZWAN PARVEZ	MAIN MULTAN ROAD
41	516	AFTAB S/O DARWESH	NASIR GONJHA
42	504	SHABBIR S/O BASHIR	VILLEGE WORKING
43	512	NAZIA W/O MANAN	OFFICE WORKING
44	511	WARAS S/O KHAN MASIH	BILAL COLONY
45	515	JAWAID GILL	JHOGI PEER DARBAR
46	506	JAMIL S/O SIDDIQUE	NASIR GONJHA
47	503	FOZIA W/O WARAS	OFFICE WORKING

7 Solid Waste Storage

7.1 Waste Storage Facility

- Currently 35 waste storage containers are placed at 10 different points.
- Storage capacity is 10 tons in one time lifting
- Lifting is operational in 3 time

7.2 Points of Containers

Sr. No.	Location	Number
1	Grand station main multan road	1
2	Tractor wali workshop main multan road	1
3	Gourmet main multan road	1
4	Canal road main multan road	1
5	Infront of jazz office multan road	1
6	Infront of Caltex pump main multan road	1
7	Infront of al barak shadi hall	1
8	Infront of thaana chung	1
9	Infront of main bazar on main multan road	1
10	Main multan road below chung stairs	3
11	Infront of liaqat window shop	3
12	Beside Union council office	1
13	Infront of dodh dahi shop multan road	3
14	Beside Lakri wala stall	1
15	Adalat shah main multan road	1
16	On way of Barkat colony	1
17	Near star laboratory	1
18	Near mechanical factory	1
19	Khan kiryana store Adalat shah road	1
20	Akram kiryana store adalat shah road	1
21	Chakki wala adalat shah road	1
22	Aqlaan wala chowk	2
23	Dera malik rashid	1
24	Dera malik sarfraz	2
25	Jhanda chowk	2
26	Main jhanda chowk	1
27	Govt Model school Shadab colony	1
28	Rana zulfiqar shadab colony	2
29	Kamboh colony Jamaih masjid	1
30	Inside union council office	2
Total		41

8 Solid Waste Collection & Transportation

8.1 Time and motion study

C-13-1069			
S.N	LOCATION	NO.OF CONTAINERS	TIME
1	Chong main bazar	3	8:33
2	Chong police thana	1	8:36
3	Albrak shadi haal	1	8:40
4	Jhanda factory	1	8:45
5	Shabab stodio main road	1	8:50
6	Hino showroom main road	1	9:03
7	Police center	1	9:08
8	Milo bakery	1	9:14
9	Gourmet bakery chong	1	9:17
10	Workshop adda	1	9:19
11	Starresar	1	9:30
12	Adalat shah darbar	1	9:37
13	Lakri Wala taal	1	9:40
14	Malik Doodh Dahi Shop	1	9:44
15	Union Council Office	2	9:50
16	PSO Pump Adda	1	9:59

1127			
S.N	LOCATION	NO.OF CONTAINERS	TIME
1	Komboh Colony	2	7:20
2	Chok Jhanda	2	7:55
3	Chok Jhanda Billa Sonyara	2	8:25
4	Cherischen Colony	1	8:45
5	Jogi Peer Darbar	1	8:52
6	Mughal Qila	1	9:05
7	Shadab Colony	1	9:10
8	Water Supply	2	9:15
9	Shadab Colony Girls School	1	9:25
10	Shadab Colony Boys School	1	9:37
11	Mor Penthriz	1	9:45
12	Dera Malik Rashid Khokhar	1	9:50
13	Shadab Colony Rado Electronics	1	9:58
14	Adalat Shah Darbar	1	10:10
15	Police Training Center	5	10:20

16	Huzaifa Colony Maraka	1	11:15
17	Govt.Boys High School	1	11:25
18	Back Side Bata Factory	1	11:35

Figure 2: Route for Compactor Vehicle (little variation possible)

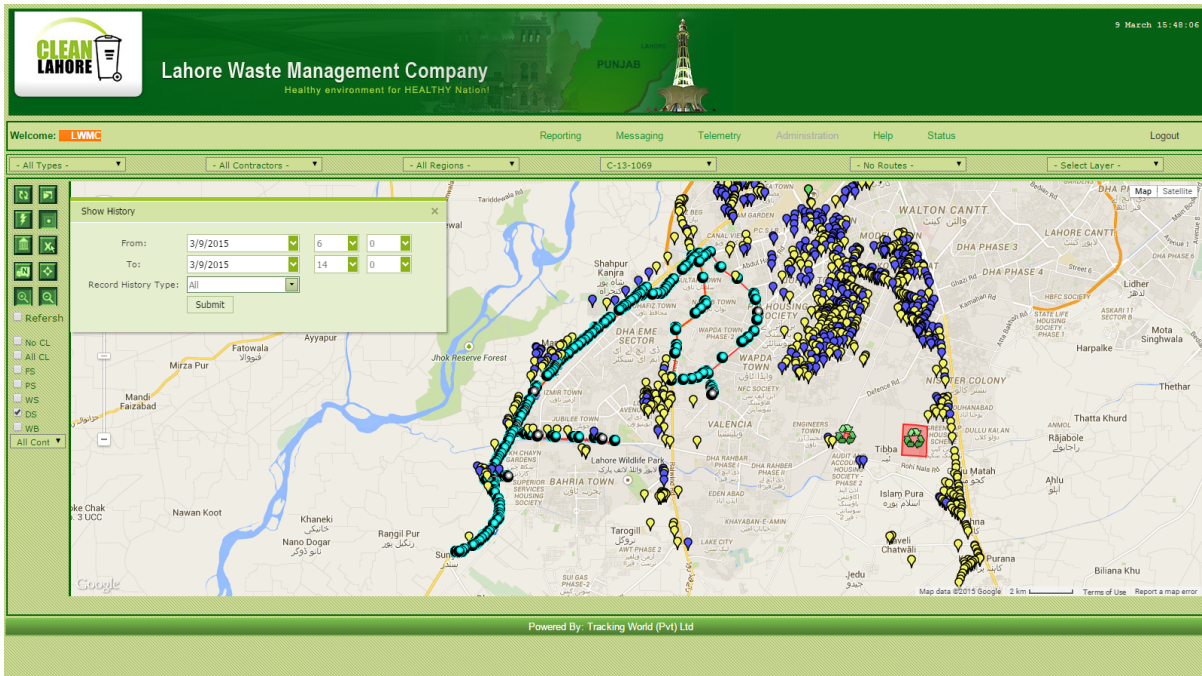
8.2 Staff Deployment for Compactor Vehicle

Compactors Zone-23									
Overall Incharge = Muhammad Usman Tariq (0300-8480538)									
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
121 122	1069	Muhammad Abbas Ali (0322-4306052)	From UC	1123	Ramzan (0306-4651451)	From UC	-	-	-
							-	-	-
	1127	-	From UC	1127	Ishtiaq Ahmad S/O Abdur Rahim (0302-7910147)	From UC	-	-	-

9 Compactor Route



Compactor Route 1127



Compactor Route 1069

10 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.

11 Issues

- Poor infrastructure
- Rural Area
- Animal Waste
- Encroachments
- Open Plots heaps
- Illiteracy