

# VALENCIA WORKSHOP



# 2015

## Solid Waste Management Plan for Green Town (UC-139)



BY:

MUHAMMAD USMAN TARIQ

DEPUTY MANAGER

OPERATION



## Contents

1.	Facts.....	3
2.	Operational Arrangements / Resources Deployed .....	3
2.1	1 <sup>st</sup> Shift Arrangement – 6 AM to 2 PM.....	3
2.2	2 <sup>nd</sup> Shift Arrangement - 2 PM to 10 PM .....	<b>Error! Bookmark not defined.</b>
2.3	3rd Shift Arrangement – 10 PM to 6 AM .....	<b>Error! Bookmark not defined.</b>
3	Introduction.....	4
4	Solid Waste Generation .....	4
5	Solid Waste Management Practices .....	4
6	Street Sweeping and Waste Collection by Sanitary Workers .....	5
6.1	Team Division .....	<b>Error! Bookmark not defined.</b>
7	Human Resource .....	6
8	Solid Waste Storage .....	7
7.1	Waste Storage Facility.....	7
7.2	Points of Containers.....	7
9	Solid Waste Collection & Transportation .....	7
8.1	Route for Compactor .....	9
8.2	Staff Deployment Plan.....	10
10	Door To Door Waste Collection .....	10
9.1	System for D-T-D Waste Collection .....	10
11	2nd Shift Operational Arrangement.....	<b>Error! Bookmark not defined.</b>
12	3rd Shift Operational Arrangement.....	<b>Error! Bookmark not defined.</b>
13	Garbage Bag Distribution Mechanism .....	<b>Error! Bookmark not defined.</b>
14	Public Awareness.....	11

## Özkartallar Campak Joint Venture

### 1. Facts

SR.N	Description	
1	Phase	C
2	UC	139 –Green Town
3	Area Manager / Shef OZPak	Muhammad Usman Tariq
4	UC-Coordinator	Fyaz
5	Zonal Officer LWMC	Osama
6	Population	69296
7	UC Area	2638620 m <sup>2</sup> (middle income)
8	Waste Generation (estimated)	45.04 kg/person/day

### 2. Operational Arrangements / Resources Deployed

#### 2.1 1<sup>st</sup> Shift Arrangement – 6 AM to 2 PM

<b>Manual Sweeping</b>		
Sanitary Supervisors	1	
Sanitary Workers	42	
Wheelie Bins	14	
Hand Carts	10	
<b>Containers Collection</b>		
Containers Placed	94	
Containers Points	51	
Compactors	C-13-1006	1 trip, approx. 10 tons
	C-13-1096	1 trip, approx. 10 tons
Drivers	2	
Helpers	4	
<b>D-T-D Collection</b>		
Mini Dumpers – Suzuki Pickup	1	MD-73
Driver	1	
Helper	1	
<b>Note:</b> Compactor also collecting waste if waste bags found on road or in front of home or shop		



### 3 Introduction

Union Council – 139 (Green Town) is located in Nishtar Town. Total area of the UC is 2638620 m<sup>2</sup> with population of 69296. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 139 Green Town



### 4 Solid Waste Generation

Estimated solid waste generation is 45.04 tons per day @ waste generation rate of 0.65 kg/person/day.

### 5 Major Roads

- Bagrian Road
- Civil Defence Road
- College Road
- Abubakar Road
- MPA Road
- Marhaba Shadi Hall Road

## Özkartallar Campak Joint Venture

- Madr-e-Milat Road
- Umer Farooq Road

### 6 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:

### 7 Street Sweeping and Waste Collection by Sanitary Workers

#### 7.1 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.

#### 7.2 Beat List

<b>UC 139 WORKER'S BET LIST NASHTAR TOWN</b>		
<b>S.N</b>	<b>WORKER'S NAME</b>	<b>DESIGNATED AREA</b>
1	NAYAMAT MASIH S/O BARKAT	5 BLOCK C-2
2	BASHIRAN BIBI W/O MANZOOR	BLOCK # 3-B-2
3	MUNIR MASIH S/O SIRAJ	2ND TIME GARI PA
4	ALLAH RAKHA S/O BASSA	VEHICLE # 1006 1ST TIME
5	FARMASH MASIH S/O SHAGARA	UMAR FAROOQ ROAD
6	ASHIQ S/O KEELA MASIH	M.ALI CHOWK COLLEGE ROAD
7	YOUSAF MASIH S/O SOBA MASIH	M.ALI CHOWK COLLEGE ROAD
8	NAZIR MASIH S/O MEHTAB MASIH	BLOCK 1-C-1 MAIN ROAD
9	HABIB MASIH S/O ANAYAT MASIH	MAIN COLLEGE ROAD BUTT CHOWK
10	ILYAS MASIH S/O SHAREF MASIH	MAIN COLLEGE ROADNAJMACHOK TO BUTT CHOWK
11	RAFAQAT MASIH S/O BASHIR MASIH	GHAIST BAILDAR
12	RANI BIBI W/O NAYAMAT	UMAR FAROOQ ROAD 22-C SIDE
13	HANEEFAN BIBI W/O HADAYAT	CIVIL DEFENCE ROAD
14	SUGRAN BIBI W/O ALLAH DITTA	BLOCK # 6-C-2
15	SALAMAT BIBI W/O MAJEED	BLOCK # 2-C-2
16	ZOBEEDAN BIBI W/O ARIF	MUSLM CHOWK TO AMEER CHOWK
17	SURIYA W/O SHAREEF	BHARI COLONY 3-C-2
18	NAJMA W/O BASHIR	MODEL BAZAR
19	MAHIWISH W/O SHAZAD	BLOCK 6-C-2
20	RANI W/O SHARIF MASEEH	BAHARI COLONY BLOCK 3-C-2
21	SHEHBAZ S/O LABHA MASEEH	VEHICLE # 1096 1ST TIME
22	KHALID S/O NIAZ	BLOCK 1-C-1 MODEL BAZAR
23	IMRAN S/O MANZOR MASIH	CHRISTEN COLONY 3-C-2
24	SHEHNAZ W/O PARVAIZ MASI	BLOCK # 3-C-2
25	AMIR S/O YOUNIS MASI	BHLLAH CHOWK MAIN ROAD
26	AJMAL S/O NAZEER MASHI	2ND TIME GARI PA

## Özkartallar Campak Joint Venture

27	ASHRAF S/O HADAYAT	2ND TIME GARI PA
28	MRYAM W/O ARSHAD	COLLEGE MAIN ROAD GHOSIYA CHOWK TO NAJMAH CHOWK
29	AKRAM S/O YOUSAF	MUSLIM CHOWK TO NALY THANA GREEN TOWN
30	BALQEES BOOTA	BLOCK 4-C-2
31	LAKSHMI W/O IQBAL	SADIQ CHOWK TO CHANDNI CHOWK TO SCHOOL SIDE
32	LIAQAT S/O BARKAT MASEEH	BHAGRIYAN CHOWK TO CHORAS TANKI
33	RASHEED S/O CHANUN MASHI	SADIQ CHOWK TO CHANDNI CHOWK TO SCHOOL SIDE
34	NAZERAN W/O SHAFIQUE MASEEH	MAIN ROAD MALL DAFTAR BLOCK 1-C-1
35	ZAHIDA W/O SALEEM MASEEH	QADRI CHOWK TO SADDIQ BLOCK 3-C-1
36	SARAFEEN W/O SADIQUE	QADRI CHOWK TO CHORAS TANKI BOTH SIDE UMAR FAROOQ ROAD
37	ASHRAF S/O GULZAR	MD73 VEHICLE
38	SHAFIQUE S/O DARSHAN	TOWN OFFICE BLOCK B-2
39	HADAYAT S/O BARKAT	MAIN SERVICE ROAD 1122
40	RUKHSANA W/O SALEEM	QADRI CHOWK TO MUSLIM CHOWK BLOCK 3-C-2
41	RAFAQAT MASIH S/O BARKAT	UMAR CHOK TO SADDIQ CHOWK 3-C ZONE
42	HADAYAT S/O MEHTAB	ABUBAKAR ROAD MAIN ROAD

<b>Overall In-charge Manual Sweeping</b>	Niamat Makhan 0323-4325832
--	-------------------------------

## 8 Solid Waste Storage

### 8.1 Waste Storage Facility

- Currently 94 waste storage containers are placed at 51 different points.
- Storage capacity is 20 tons in one time lifting
- Lifting is operational in 3 times

### 8.2 Points of Containers

<b>CONTAINER LIST UC 139</b>		
<b>S.N</b>	<b>DESGINATED POINTS</b>	<b>NO.OF CONTAINERS</b>
1	HOUSE # 3-C-2	1
2	LADIES PARK	1
3	ABID MEDICAL STORE	1
4	BISMILLAH GENERAL STORE	1
5	KALA GATE CHORAS TANKI ROAD	1
6	PRACTING SCHOL CHANDNI CHOK	1
7	1122 OFFICE SERVICE ROAD	1
8	FILTER CLINIC B-II	7
9	COLLEGE ROAD IDEAL PARK	1
10	MARHABA SHADI HALL	2
11	KASHANA WALA	1
12	ATC COLLEGE ROAD	1
13	MARHABA SHADI HALL ROAD	3
14	SERVICE ROAD B-II	1
15	MPA ROAD WALA	3
16	PUNJAB SCHOOL K ANDER	2
17	TOWN OFFICE ROAD	1
18	LAGNA CHOWK	1
19	COLLEGE ROAD NADIRA OFFICE	1
20	CHRISTEN QABRASTAN COLLEGE ROAD	1
21	5-C-2 PLOT #214	2
22	ITFAQ ROAD	2
23	MADR-E-MILLAT ROAD 4-C-2	2
24	MADR-E-MILLAT ROAD 5-C-2	1
25	BLOCK 4-C-2	10
26	BHAGRIYAN CHOWK	1
27	SHAMEEM CLINIC	1
28	BEST BAKERY	1
29	BHOLLA CHOWK	1
30	KABARIYE WALA	2



## Özkartallar Campak Joint Venture

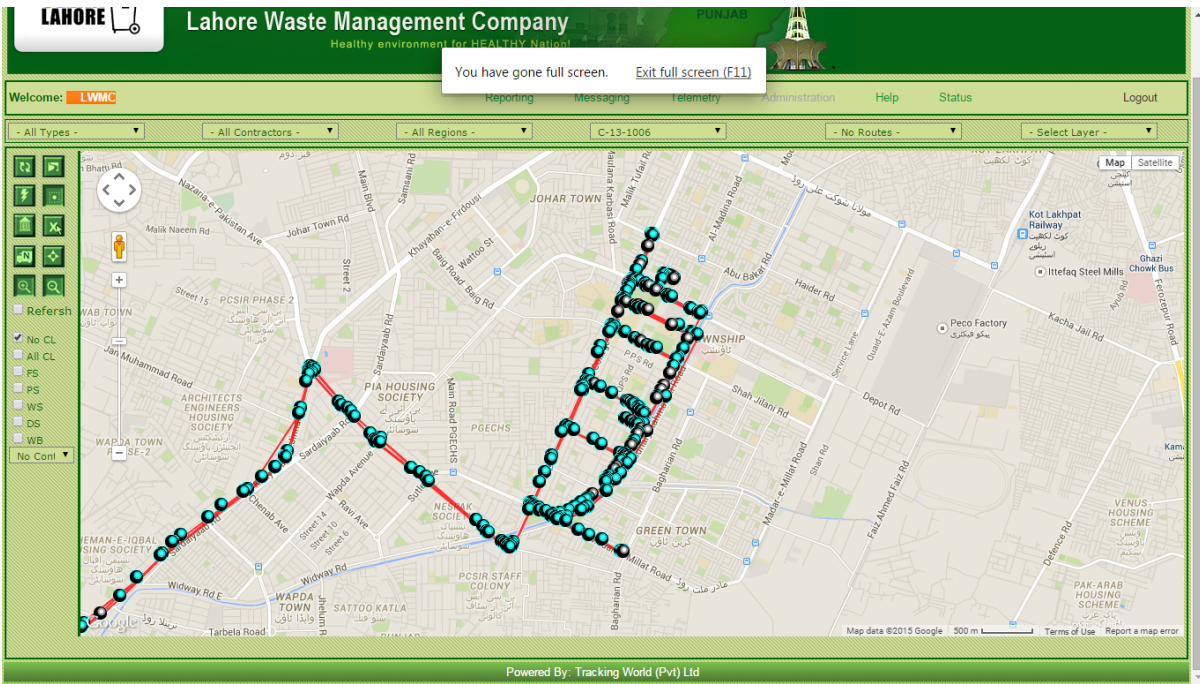
31	AZMAT CHOWK	1
32	AZMAT CHOWK NAZD BHAGRIYAN ROAD	1
33	GANDA NALAH NAZD CHORAS TANKI	2
34	QADRI CHOWK WAALA	1
35	MARYAM COLONY GANDA NALA	1
36	BHOLLA CHOWK GANDA NALA	1
37	SHOKA JUTT WALA	1
38	ADHI CENTER WALA	11
39	THANA GREEN TOWN WALA	1
40	QADRI CHOWK 1-C-1	1
41	QADRIYA MASJID GANDA NALA	1
42	MALIK USAMAN BARADARS GANDA NALA	1
43	MODEL BAZAR K ANDER	4
44	LYCETFF SCHOOL GANDA NALA	1
45	SAHBIR AUTO GANDAH NALA	1
46	SHAH MUQEEM AUTO	2
47	ZAYA PARK	2
48	BHATTI SERVICE STATION	1
49	FAIZ STORE	2
50	GANDA NALAH ROAD 3-C-2 SIDE	1
51	MASJID IBRAHEEM	2
	<b>TOTAL CONTAINERS</b>	<b>94</b>

### 9 Existing points of containers

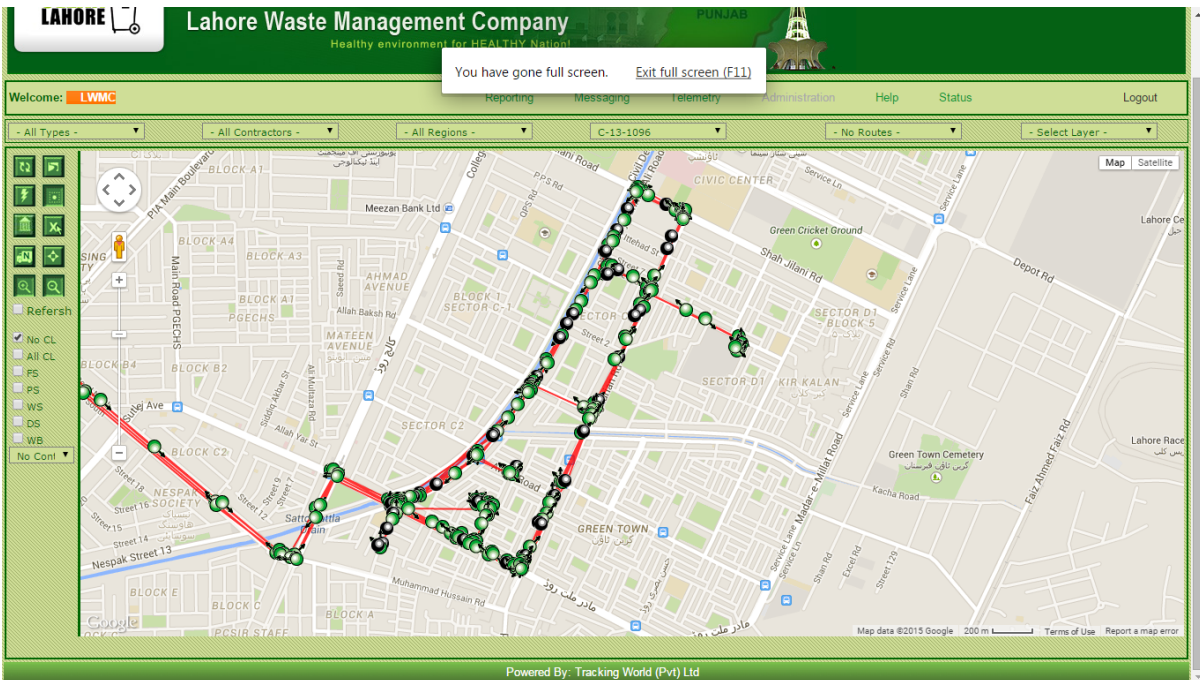
MAP add

10 Solid Waste Collection & Transportation

10.1 Route for Compactor



Route of C-13-1006



Route of C-13-1096

**10.2 Staff Deployment for Compactor Vehicle**

Shift Supervisor = ( )				Shift Supervisor = ( )		
1st shift				2nd shift		
UC	Vehicle No.	Driver Name & Mobile	Name of Helpers	Vehicle No.	Driver Name & Mobile	Name of Helpers
139	1006	Shabir Munir (0321-8712081)	Younas Patras	1079	M Fahad (0323-5557416)	Yousaf Shareef
			Boota Nawab			
	1096	Hafiz Umer	Sardar Piara			Chamma Tharma
			Salamat Gulzar			
			Younas Labha			
			Rahmat Faqeer			

**11 Door To Door Waste Collection**

**11.1 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

Mini Dumper / Suzuki Pickup			
Block 1	6:00 am to 8:00 am	Block 2	8:00 am to 10:00 am
Block 3	10:00 am to 11:00 am	Block 4	11:00 am to 12:00 pm
Block 5	12:00 pm to 1:00 pm	Block 6	1:00 pm to 2:00 pm

## Özkartallar Campak Joint Venture

Block	Major Areas/ Mohalla's	Timings
Block 1	Green town block no 2c1, Green town block no 1c1	6:00 am to 8:00 am
Block 2	Green town block no 2c2, Green town block no 1c2	8:00 am to 10:00 am
Block 3	Green town block no 5c2, Green town block no 6c2	10:00 am to 11:00 am
Block 4	Green town block no 3b2, Green town Kala Pani block no 1b2	11:00 am to 12:00 pm
Block 5	Green town block no 2b2, Green town block no 3b2, Green town block no 1b1, Green town block no 3c1	12:00 pm to 1:00 pm
Block 6	Green town block no 3c2, College Road, Main Road Saadiq Chowk, Main Baagriani Road	1:00 pm to 2:00 pm

## 12 Door to Door Route



**13 Problematic Points**

- B2
- GCT
- Ideal Park
- 4C2
- Civil Defence
- Bgarian Chowk
- Abubakar Road

**14 Major Issues**

- Green Waste
- Donkey Carts attack
- Scavengers