

VALENCIA WORKSHOP



2015

Solid Waste Management Plan for Chanray (UC-143)



BY:

MUHAMMAD USMAN TARIQ

DEPUTY MANAGER

OPERATION

ÖZKARTALLAR CAMPAK JOINT VENTURE

**Solid Waste
Management Plan for
Chanray (UC-143)**

2015

By:

*M Dawood Makki
Deputy Project Executer*

5TH FLOOR, SHAHEEN COMPLEX, EGERTON ROAD, LAHORE

Contents

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

Özkartallar Campak Joint Venture

1. Facts

SR.N	Description	
1	Phase	C
2	UC	143 - Chanray
3	Area Manager / Shef OZPak	Muhammad Usman Tariq
4	UC-Coordinator	Mubashir Aslam
5	Zonal Officer LWMC	Osama
6	Population	65401
7	UC Area	31276800 m ² (middle income)
8	Waste Generation (estimated)	42.5 kg/person/day

2. Operational Arrangements / Resources Deployed

2.1 1st Shift Arrangement – 6 AM to 2 PM

Manual Sweeping		
Sanitary Supervisors	1	
Sanitary Workers	35	
Wheelie Bins	9	
Hand Carts	6	
Containers Collection		
Containers Placed	22	
Containers Points	21	
Compactors	C-1011	1 trip, approx. 10 tons
Drivers	1	
Helpers	2	
D-T-D Collection		
Mini Dumpers – Suzuki Pickup	1	
Driver	1	MD-67
Helper	1	
Note: Compactor also collecting waste if waste bags found on road or in front of home or shop		

3 Introduction

Union Council – 143 (Chanray) is located in Nishtar Town. Total area of the UC is 31276800 m² with population of 65401. This area is predominantly middle income area with planned settlement.

Figure 1: Map of UC 143 Chanray



4 Solid Waste Generation

Estimated solid waste generation is 42.5 tons per day @ waste generation rate of 0.65 kg/person/day.

5 Major Roads

- College Road
- Bagrian Road (1Side)
- Kacha Road
- Defence Road
- Khaki Shah 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

UC 143 WORKER'S BEET LIST (BHAGRIYAN PIND GAWALA COLONY SIDE)		
S.N	WORKER'S NAME	DESIGNATED AREA
1..	Jameel S/o Nazir	NAGHAR PIND STATION
2..	SADIQ S/O BARKAT	NAGHAR PIND STATION
3..	SHAHID S/O MANGTA MASEEH	NAGHAR PIND STATION
4..	ASHIQ S/O PAYARA	NAGHAR PIND STATION
5..	SHAMOON S/O EDDA	KHCHA PIND AND MAIN ROAD
6..	SHAHBAZ MASIH S/O SHAUKAT MASIH	KHCHA PIND AND MAIN ROAD
7..	SALMA W/O EDDA	KHCHA PIND AND MAIN ROAD
8..	FARHA W/O BASHIR	KHCHA PIND AND MAIN ROAD
9..	ASHIQ S/O PAYARA	CHAND RAY PIND
10..	SHARAFAT MASIH S/O TAJ MASIH	CHAND RAY PIND
11..	WAHEED S/O SADIQ MASEEH	TIHAYAT PIND
12..	KASHIF S/O ASHIQ	TIHAYAT PIND
13..	RIAZ S/O BASHIR	TIHAYAT PIND
14..	SHABIR S/O BHATTI	TIHAYAT PIND
15..	NASREEN W/O KHALID	CREAM PARK
16..	PERVEEN W/O BASHIR	CREAM PARK
17..	FARMAN S/O RIAZ	CREAM PARK
18..	HANIF MAKHAN	CREAM PARK

8 Solid Waste Storage

8.1 Waste Storage Facility

- Currently 22 waste storage containers are placed at 21 different points.
- Storage capacity is 10 tons in one time lifting
- Lifting is operational in 1 times

8.2 Points of Containers

Sr. No.	Location	Number
1	Nangar Chowk Kacha Road	1
2	Nangar Chowk Lasani Ata	1
3	Kacha Road Near Samni Shah Darbar	1
4	Kacha Village Near Masjid	1
5	Kacha Village Near Malik Building	1
6	Al Hamd Ata Chakki	1
7	Al Madina General Store Ameer Chowk	1
8	Auqaf Colony Near Iqra Dar ul Itfal	1
9	Nawaz Road	1
10	Nawaz Road Near Flaks Medical	1
11	Tangian Wala Adda	1
12	Bagrian Pind Near Govt. School	2
13	Ameer Chowk Near Gulf Associates	1
14	College Road Mustafa Chowk	1
15	Ameer Chowk Road Near Sadaam Store	1
16	Ameer Chowk Near Paradise Centre	1
17	Bagrian Pind Near Children School	1
18	Bagrian Pind Juiyan Mohallah	1
19	Bagrian Pind Near shafi Da Dera	1
20	Ashfaq town Near Abdul Salam Masjid	1
21	Feroze Park Near Pak Mobile	1
Total		22

9 Solid Waste Collection & Transportation

9.1 Existing Points of Containers

MAPS

9.2 Route for Compactor

10 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
143	1011	Saleem Masih (0301-4470240)	Lal Piara	1069	Saleem Masih (0311-4247847)	David Younas
			Younas Labha			Gulzar Manna

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.

Özkartallar Campak Joint Venture

Block	Major Areas/ Mohalla's	Timings
Block 1	Asger town, Tayeb town, Faroz park, Kakeem town, Bagrian pind	6:00 am to 8:00 am
Block 2	Joyia wala mahalla Bagrian, Sharaz town Bagrian, Hadiyat pind	8:00 am to 10:00 am
Block 3	chandrayee pind, Gujar colony, Biloo Meer chowk, Kareem park	10:00 am to 12:00 pm
Block 4	Nager sharif pind, Dam Dama pind, Khacha pind, salam pura	12:00 pm to 2:00 pm

12 Door to Door Rout

13 Problematic Points

- Ferozpark
- Bagrian Road
- Kahaki Shah
- Mobile Center
- Thiata Phattak
- Budh Bazar

14 Issues

- Open Plots
- Animal Dung
- Illiteracy
- Poor Infrastructure
- WASA problem

Özkartallar Campak Joint Venture

- Narrow Streets
- Less no of Workers
- Less Resources