

# SOLID WASTE MANAGEMENT PLAN FOR KANNA (UC-146)

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-146.

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## Özkartallar Campak Joint Venture

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## Özkartallar Campak Joint Venture

### 1. Facts

UC		146	
NAME OF THE AREA		Kahna	
CATEGORY		Rural	
POPULATION		60307	
HOUSEHOLDS		12061	
GENERATION		33.1688	
MAJOR ROADS		Kacha Road Main Ferozpur Road	
MARKETS		Kahna bazar Purana kahna bazar	
MOSQUES		Thanay waali masjid Anwaar madina masjid	
EDUCATIONAL INSTITUTES		Govt Degree college Kacha road	
IMPORTANT OFFICES		WAPDA House	
Deputy Manager Operation		Abdur Rehman (0322-2895540)	
AM LWMC		Zahid Mushtaq (0315-8666087)	
ZO		Mian Irshad (0313-4281609)	
UC Coordinator		Rana Nisar (0300-4990213)	
SANITARY WORKERS	MALE	REGULAR	12
		WC	7
		S & C	5
		Z & C	2
		TOTAL	26
	FEMALE	REGULAR	1
		WC	0
		S & C	0
		Z & C	6
		TOTAL	7
GRAND TOTAL		33	
STATIONARY RESOURCES	NUMBER OF CONTAINERS	39	
	STORAGE CAPACITY (1 TIME LIFTING)	11.7	
	HAND CARTS	7	
	WHEELY BINS	7	

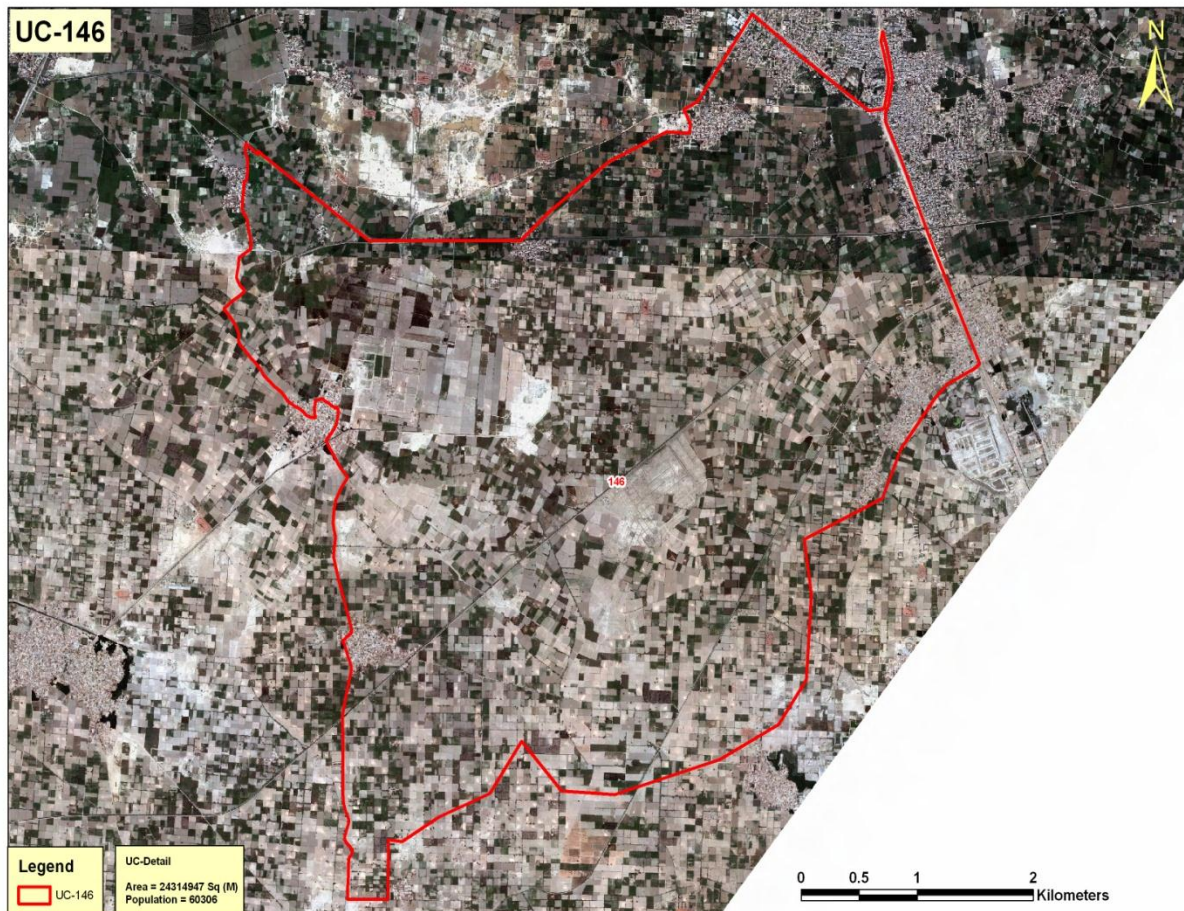
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MECHANICAL RESOURCES	COMPACTOR (7 m3)	1st SHIFT	0
		TRIPS	0
		TRIPS	0
		2nd SHIFT	0
	COMPACTOR (13 m3)	1st SHIFT	1014
		TRIPS	1
		TRIPS	1
		2nd SHIFT	1114
MINI DUMPER	1st SHIFT	0	
	2nd SHIFT	0	

### 2. Introduction

Union Council – 146 (Kanna) is located in Nishtar Town. Total area of the UC is 24314847 m<sup>2</sup> with population of 60307<sup>1</sup>. This area is predominantly middle income area with planned settlement.

**Figure 1: Map of UC 146 Kanna**



<sup>1</sup> Punjab Development Statistics – 2011, Bureau of Statistics, Govt. of the Punjab

**3. Solid Waste Generation**

Estimated solid waste generation is 39.19metric 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. Block Cleanliness Schedule:**

UC 146 consists of (Kanna)and some slums including. The areas of the 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 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	2 Plots	animmal waste	

- 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.
- Waste bags also used for roads sweeping

**6. Beat List**

S.N	WORKER'S NAME	DESIGNATED AREA
1	ISHAQ MASIH S/O MAKHAN MASIH	MIR COLONY , DOC.IQBAL WALI GALI, AMIN SHIDI WALI GHALI, ZAFAR SHINDO WALI GALI, RIAZ KHAMAM, MASTER SHAKOR WALI, MASTER ARIF SHAH WALI, BASHARAT RAHMANI WALI , BHATTI WALI GALI, ABDULSTAR WALI GALI
2	RAMZAN S/O MUSHTAQ	MAIN RASTA PURANA KAHNA BAZI GAR WALI GALLIYAN AUR DIGAR BRANCHES, ZAFAR SHINDO CHOWK WALI GALLIYAN , CHARCH K SAMNY WALI GALLIYAN , WAQIL WALI GALIYAN

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3	AMIN S/O RAFIQUE	NAZAM MASTANA HOUSE TO UC 146 OFFICE MAIN FEROZ PUR ROAD
4	ISHFAQ S/O MANNA MASIH	MAIN KACHA ROAD DONO SIDE AUR HAJU ROAD
5	WARIS S/O DOGHAR	UC 146 OFFICE TO KACHA CHOWK MAIN BAZAR FAROZ PUR ROAD
6	SARWAR S/O MUNSHI	MAIN RAH KASHMIR PATI , AKHERY KHAN WALI GALI , IQBAL NAI WALI GALLIYAN JAMIL GUJER WALI GALIYAN , MAHER JAVED WALI GALLIYAN , AND OTHER BRANCHES
7	SALEEM S/O DARSHO	2ND SHIFT
8	TALIB S/O TEJU MASIH	HYWANAT WALI GALI , DOC.GORI WALI GALI , SARAN WALI GALI, PIR MUNIR SHAH COLONY
9	ANWAR S/O SARAINA	PIR ASHRAF SHAH WALI GALLI , SHEIKH BOYE WALA RASTA, SOHAIL KHAN WALI GALI,
10	HANIF S/O DITTA MASIH	MAIN FAROZ PUR ROAD CHOTA SAWA SA LA KR BISCO BUS DIPU TK
11	HADAITI BIBI W/O BASHIR MASIH	MIR COLONY , DOC.IQBAL WALI GALI, AMIN SHIDI WALI GHALI, ZAFAR SHINDO WALI GALI, RIAZ KHAMAM, MASTER SHAKOR WALI, MASTER ARIF SHAH WALI, BASHARAT RAHMANI WALI , BHATTI WALI GALI, ABDULSTAR WALI GALI
12	VERO BIBI W/O BHAN MASIH	THANA MASJID WALI GALI, JAVED MEU WALI GALI, BANGHLA BASTI, , BARKET JHEDO WALI GALI, DISCO NIGHT WALI GALI , ASLAM ZAGHAR WALII GALI , DHOBI WALI GALI, BILAL MASJID WALI GALI
13	MUZAFFAR MASIH S/O SALAMAT	5 GHABAR SAWA TK MALIK PURA CHOTA SAWA MAIN FEROZ PUR ROAD , ANDRON ELAQA JAT , CHOTA SAWA KI DONO SIDE , MALIK KARAMAT WALLI GALLI , MALIK JAVED WALI GALLI , MALIK PURA
14	NADEEM MASIH S/O SHAFI MASIH	2ND SHIFT
15	RAYAFAT S/O ANWAR MASIH	MAIN RAH PURANA KAHNA, BAZI GAR WALI GALLIYAN , MUSTUFAL SCHOOLWALI GALIYAN , CHAND PUBLIC SCHOOL, WAQIL WALI GALIYAN , CHARCH K SAMNY WALI GALIYAN
16	Iftikhar Rasheed S/o Abdul Rasheed	BAILDAR
17	AMEEN S/O ANAYAT	2ND SHIFT
18	Mushtaq S/o Khushi	THANA MASJID WALI GALI, JAVED MEU WALI GALI, BANGHLA BASTI, , BARKET JHEDO WALI GALI, DISCO NIGHT WALI GALI , ASLAM ZAGHAR WALII GALI , DHOBI WALI GALI, BILAL MASJID WALI GALI



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19	ASLAM S/O BAHADUR MASIH	5 GHABAR SAWA TK MALIK PURA CHOTA SAWA MAIN FEROZ PUR ROAD , ANDRON ELAQA JAT , CHOTA SAWA KI DONO SIDE , MALIK KARAMAT WALLI GALLI , MALIK JAVED WALI GALLI , MALIK PURA
20	WASEEM PERVAIZ	10 BJY K BAD K WORKER BAZI MAGRAN WALI GALI , ESRA TEEL AYUBI WALI GALLI , DOC.ASLAM WALI GALI , ESHRAT ALYAS WALI GALI
21	IMRAN S/O ARSHAD	BAILDAR
22	ASIF S/O SALAMAT	KACHA CHOWK TO ASLAM ARI WALY MAIN FAROZ PUR ROAD
23	KASHIF S/O SARWAR	ASLAM ARI WALY TO DOCTOR NIHAL K GAR TAK MAIN FEROZ PUR ROAD, ANDRON ELAQA JAT , BHATTI OFFICE FACTORY WALI GALLI , BAJWA HOSPITAL WALI GALI , DOCTOR NIHAL WALI GALI , GUJJER WALI GALI
24	BASHIR S/O IQBAL	MAIN RASTA PURANA KAHNA BAZI GAR WALI GALLIYAN AUR DIGAR BRANCHES, ZAFAR SHINDO CHOWK WALI GALLIYAN , CHARCH K SAMNY WALI GALLIYAN , WAQIL WALI GALIYAN
25	GULZRA BIBI	10 BJY K BAD K WORKER BAZI MAGRAN WALI GALI , ESRA TEEL AYUBI WALI GALLI , DOC.ASLAM WALI GALI , ESHRAT ALYAS WALI GALI
26	IRSHAD BIBI W/O ISHAQ	THANA MASJID WALI GALI, JAVED MEU WALI GALI, BANGHLA BASTI, , BARKET JHEDO WALI GALI, DISCO NIGHT WALI GALI , ASLAM ZAGHAR WALI GALI , DHOBI WALI GALI, BILAL MASJID WALI GALI
27	NASREEN MUSHTAQ	W/O MIR COLONY , DOC.IQBAL WALI GALI, AMIN SHIDI WALI GHALI, ZAFAR SHINDO WALI GALI, RIAZ KHAMAM, MASTER SHAKOR WALI, MASTER ARIF SHAH WALI, BASHARAT RAHMANI WALI , BHATTI WALI GALI, ABDULSTAR WALI GALI
28	BUSHRA W/O MNGA	ASLAM ARI WALY TO DOCTOR NIHAL K GAR TAK MAIN FEROZ PUR ROAD, ANDRON ELAQA JAT , BHATTI OFFICE FACTORY WALI GALLI , BAJWA HOSPITAL WALI GALI , DOCTOR NIHAL WALI GALI , GUJJER WALI GALI
29	IMRAN S/O HASSAN	FATAH MUHAMMAD WALA
30	RIFAT W/O ASLAM	5 GHABAR SAWA TK MALIK PURA CHOTA SAWA MAIN FEROZ PUR ROAD , ANDRON ELAQA JAT , CHOTA SAWA KI DONO SIDE , MALIK KARAMAT WALLI GALLI , MALIK JAVED WALI GALLI , MALIK PURA
31	SHAHID S/O AFRIKA	MAIN FAROZ PUR ROAD CHOTA SAWA SA LA KR BISCO BUS DIPU TK

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32	NAFEES W/O NIYAMAT	DOC.NIHAL KA GAE SA 5 GABAE SAWA TAK MAIN FEROZ PUR ROAD , ANDRON ELAQA JAT , MASTER MADHO DIN WALI GALLI, ASIF DRIVER WALI GALLI , CHOHDY GUDGE WALI GALLI
33	JAVED S/O JAGA	DOC.NIHAL KA GAE SA 5 GABAE SAWA TAK MAIN FEROZ PUR ROAD , ANDRON ELAQA JAT , MASTER MADHO DIN WALI GALLI, ASIF DRIVER WALI GALLI , CHOHDY GUDGE WALI GALLI
34	ABID PITRAS	
35	NIAYAMAT S/O KEHLA	2ND SHIFT
36	REHANA W/O REHMAT	MAIN RASTA PURANA KAHNA BAZI GAR WALI GALLIYAN AUR DIGAR BRANCHES, ZAFAR SHINDO CHOWK WALI GALLIYAN , CHARCH K SAMNY WALI GALLIYAN , WAQIL WALI GALLIYAN
37	SHAHIDA W/O MUKTHAR	
38	SABIR S/O QADIR	MAIN FAROZ PUR ROAD CHOTA SAWA SA LA KR BISCO BUS DIPU TK
39	NOSHI D/O SADIQ	MIRZA NASIR BAGH WALI GALLIYAN , MAHER CHOWK,WALI GALLIYAN , IQBAL GHI WALI GALLIYAN , AND OTHER BRANCHES
40	AKRAM S/O BAHADUR	MAIN RAH KASHMIR PATI , AKHERY KHAN WALI GALI , IQBAL NAI WALI GALLIYAN JAMIL GUJJER WALI GALIYAN , MAHER JAVED WALI GALLIYAN , AND OTHER BRANCHES
41	NASREEN W/O MANZOOR	
42	NASIR BARKAT	MAIN RAH KASHMIR PATI , AKHERY KHAN WALI GALI , IQBAL NAI WALI GALLIYAN JAMIL GUJJER WALI GALIYAN , MAHER JAVED WALI GALLIYAN , AND OTHER BRANCHES
43	ASLAM S/O SAMUEL	CHAIRMAIN WALA , MASJID WALI GALI , ACHA GUJJER WALI GALLI, C.ARFIF WALI GALI, AND OTHER BRANCHES
44	NADEEM BOOTA	2ND SHIFT

## 7. Solid Waste Storage

### 7.1. Waste Storage Facility

- Currently 37 waste storage containers are placed at 35 different points.
- Storage capacity is 14.8 tons in one time lifting
- Lifting is operational in 2 times



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### 7.2. Points of Containers

S.N	LOCATION	NO.OF CONTAINER	DISTANCE NEAR CONTAINER	CONDITION
1	Nazim Mastan House	1	100m	Normal
2	Shek Buly Wala Rasta	1	100m	Normal
3	Bngla Basti	1	100m	Normal
4	Ghala Mandi	1	100m	Normal
5	CIA Staff	1	100m	Damage
6	Kacha Meer	1	100m	Damage
7	Ahmad Traders	1	50m	Normal
8	Haji Tufail Hatle	1	450m	Normal
9	Bjawa Hospital	1	100m	Normal
10	Nehal Dawa Khana	1	100m	Normal
11	Chudhry Rasheed House	1	50m	Normal
12	Shah G Motors	1	700m	Wheel Damage
13	Malik Javed House	1	150m	Wheel Damage
14	National School	1	150m	Normal
15	Mughal Hardware	1	200m	Wheel Damage
16	Irfan Electronics	1	50m	Normal
17	Majeed Mehar House	1	200m	Normal
18	Star Sweets	1	50m	Normal
19	Purana Kahna	1	50m	Damage
20	Viky Chicken Center	1	200m	Normal
21	Hafiz Hospital	1	100m	Damage
22	Zaman Khan	1	100m	Damage
23	Fajah Wala Rasta	1	200m	Damage
24	Jamia Masjid	1	100m	Damage
25	Mehar House	1	100m	Damage
26	Ashraf Gujar	1	100m	Damage
27	Ibrar Tailer	1	100m	Damage
28	Mehar Chowk	1	200m	Damage
29	Rehman School	1	150m	Damage
30	Jameed Gujer Wli Gali	1	150m	Damage
31	Umair Gujjer	1	150m	Damage
32	Hamza Hospital	1	100m	Normal
33	Govt. Girls School	1	200m	Normal
34	Govt. Boys School	1	200m	Normal
35	Govt School Pichy Meer Colony	2	200m	Normal
36	Buly Wala Rasta	1	200m	Normal

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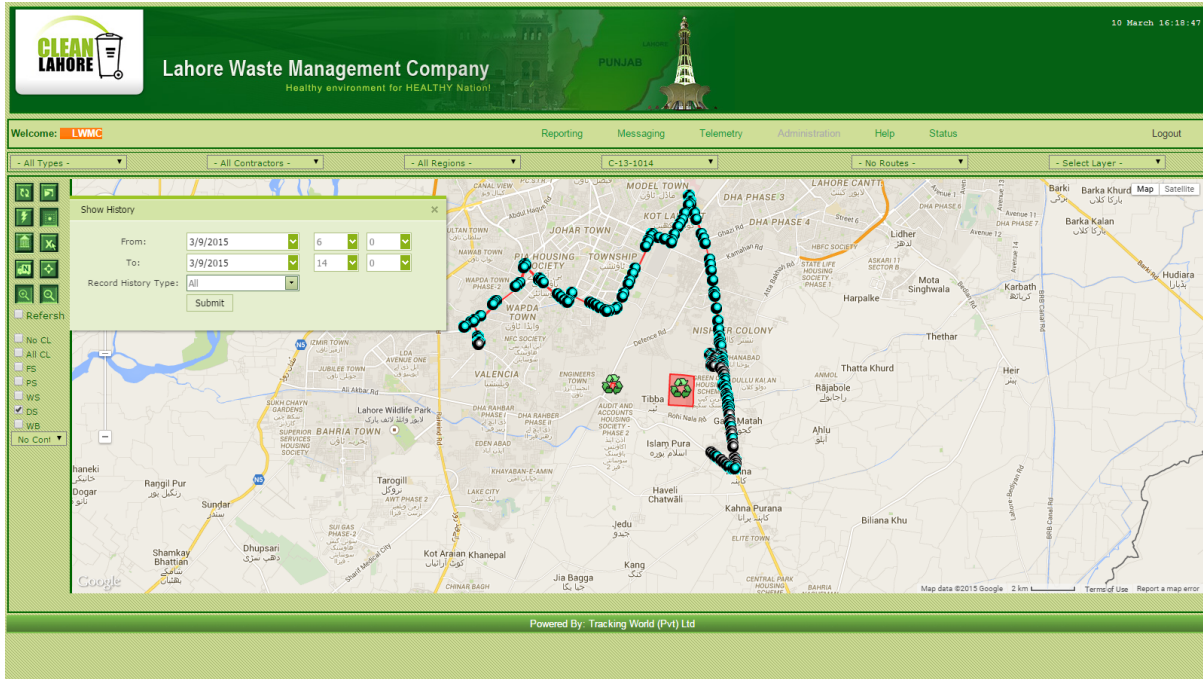
### 8. Solid Waste Collection & Transportation

#### 8.1. Route for Compactor

Compactor route with time and motion study has been presented in the following table.

S.N	LOCATION	NO.OF CONTAINER	TIME OF LIFT (1076)
1	Nazim Mastan House	1	10:50AM
2	Shek Buly Wala Rasta	1	10:59AM
3	Bngla Basti	1	10:01AM
4	Ghala Mandi	1	10:03AM
5	CIA Staff	1	10:05AM
6	Kacha Meer	1	10:09AM
7	Ahmad Traders	1	10:10AM
8	Haji Tufail Hatle	1	10:14AM
9	Bjawa Hospital	1	10:18AM
10	Nehal Dawa Khana	1	10:20AM
11	Chudhry Rasheed House	1	10:23AM
12	Shah G Motors	1	10:25AM
13	Malik Javed House	1	1028AM
14	National School	1	10:30AM
15	Mughal Hardware	1	10:33AM
16	Irfan Electronics	1	10:35AM
17	Majeed Mehar House	1	10:37AM
18	Star Sweets	1	10:40AM
19	Purana Kahna	1	10:43AM
20	Viky Chicken Center	1	10:46AM
S.N	LOCATION	NO.OF CONTAINER	TIME OF LIFT(11208)
1	Meer Colony Govt.Hospital	2	2:23PM
2	Hafiz Hospital	1	2:40PM
3	Zaman Khan House	1	2:45PM
4	Fajah Wala Rasta	1	2:47PM
5	Jamia Masjid	1	2:51PM
6	Mehar House	1	2:55PM
7	Ashraf Gujjer House	1	2:59PM
8	Abrar Tailor	1	3:05PM
9	Alrehman House	1	3:10PM
10	Umair Gujjer House	1	3:15PM
11	Jameel Gujjer Wali Gali	1	3:18PM
12	Aty Wali Chaki	1	3:22PM
13	Mehar Chowk	1	3:26PM
14	Church Wali Gali	1	3:30PM
15	Malik Milk Shop	1	3:36PM

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### 8.2. Staff Deployment for Compactor Vehicle

Overall Incharge = Abdur Rehman (0322-2895540)												
Shift Supervisor = Ashi Sardar (0313-4680221)						Shift Supervisor = Ashi Sardar (0313-4680221)				Shift Supervisor = ( )		
1st shift						2nd shift				3rd shift		
UC	Vehi cle No.	Driver Name & Mobil e	Name of Help ers	Rest Day	UC	Vehi cle No.	Driver Name & Mobile	Name of Help ers	Rest Day	Ve hic le No .	Driv er Nam e & Mob ile	Nam e of Help ers
13 4	1121	Ali Abbas (0322- 48439 27)	Pervaiz Mukhta r	Tuesda y	142	1121	M.Ramza n	UC worker's	Thursd ay			
			Pervaiz Labha		145							
13 5 Rin g	1026	Jahan gir (0315- 42499 58)	Kashif Asif	sunday		1082	Ijaz Masih (0311- 4509428)	Amjad Anayat				
			Asif lasha					Javaid Labha				
13 5	1114	Irfan Anwar (0300- 81692 77)	Munaw ar Faqir	Thursda y	135	1124	M.Amir	Shahza d Nazir	Sunday			
			Arshad Channa									

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137	1124	M. Arshad (0322-4341136)	Sabir Hera Sabir Anayat	Sunday	137			Amjad Anayat				
141	1082	M. Javaid (0302-4255228)	Aslam Ashiq Rasheed Yousif	sunday								
142	1076	Safdar Masih	Pervaiz Basheer	Saturday								
145			Arshad Barkat		146	1128	Sabir Boota (0321-6734992)	UC worker's	Wednesday			
146					146 ring	1126	M.Fasial	Dilawar Shafi Fazal Bashir	Saturday			
<b>Extra Drivers &amp; Helpers</b>			Tanveer Nazir				<b>Extra Drivers &amp; Worker's</b>	Amir Ali	Friday			
			Nazir Anayat					Younas Bashir				
			Willam Niamat					Waqas Nazir			<b>Extra Drivers &amp; Helpers</b>	