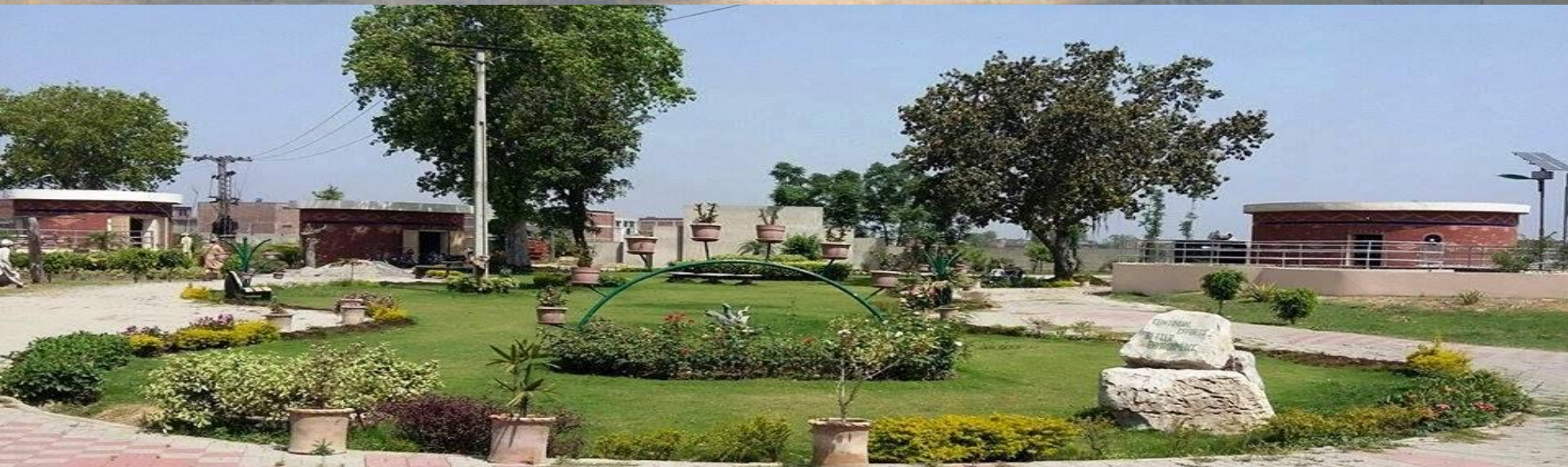




Water Supply Tube Well



Rajkot Disposal Station

MONSOON PLAN 2022

INTRODUCTION

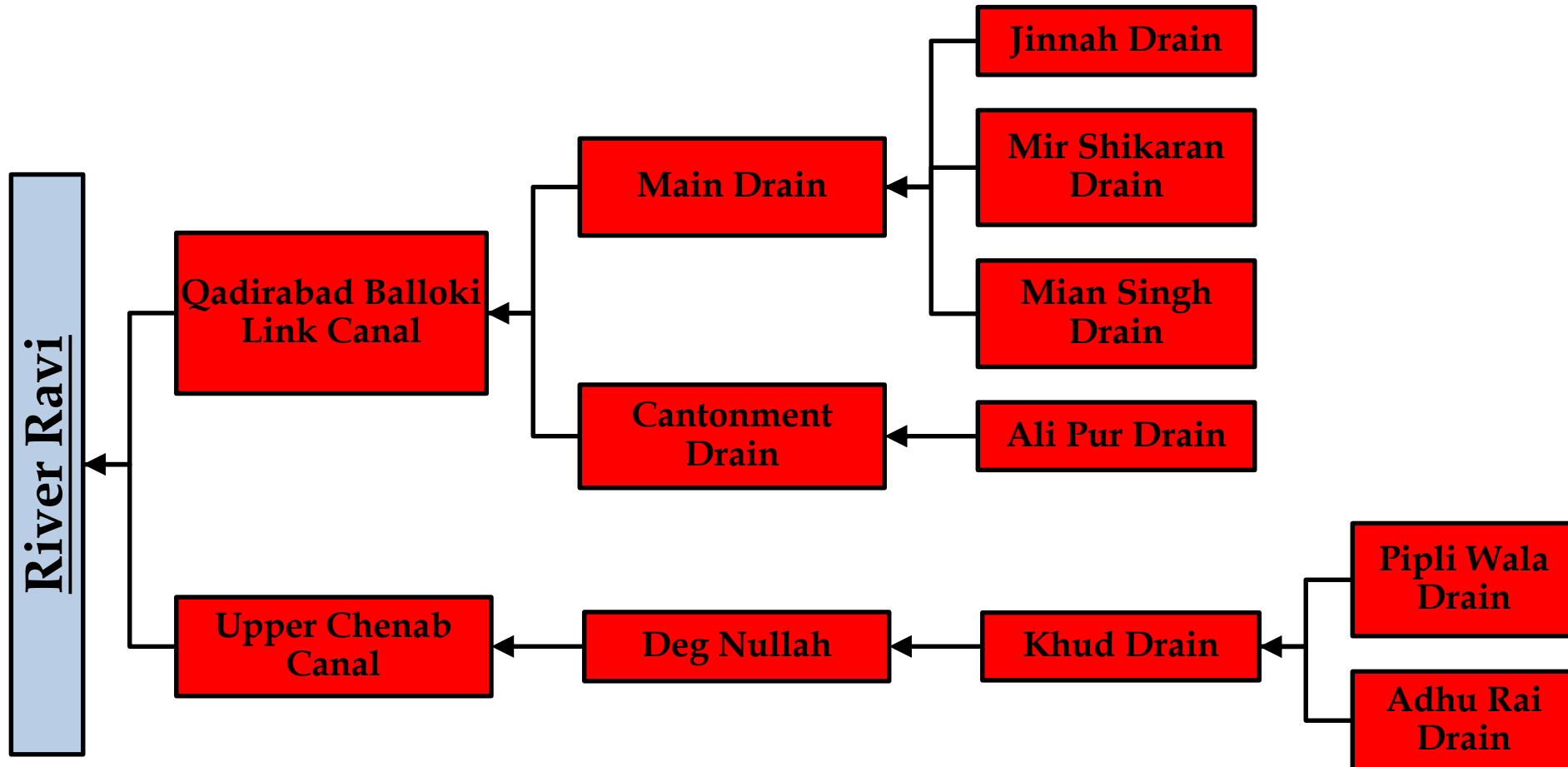
- ❑ **WASA ESTABLISHED** **NOVEMBER, 1997**
- ❑ **CONTROLLED AREA** **73 Urban UCs. (160 Sq. Km)**
- ❑ **PRESENT POPULATION** **2.425 Million (Census 2017)**

DISPOSAL STATIONS

Sr. No	Name	Total	Functional	Non Functional
1	Disposal / Lift Stations	37	37	-
2	Pumping Sets	117	104	7(Abandoned) 108 (Functional) 6 (Under repair)
3	Pumping Capacity	939 cusec	884 cusec	55 cusec
4	Generators	21	21	-
5	Trunk Sewer (24" to 60" i/d)	567 km		
6	Lateral Sewer (12" to 21" i/d)	914 km		
7	Major Drains (08 Nos)	34 km		



DRAINS AND OUTFALLS



Existing Sewerage System

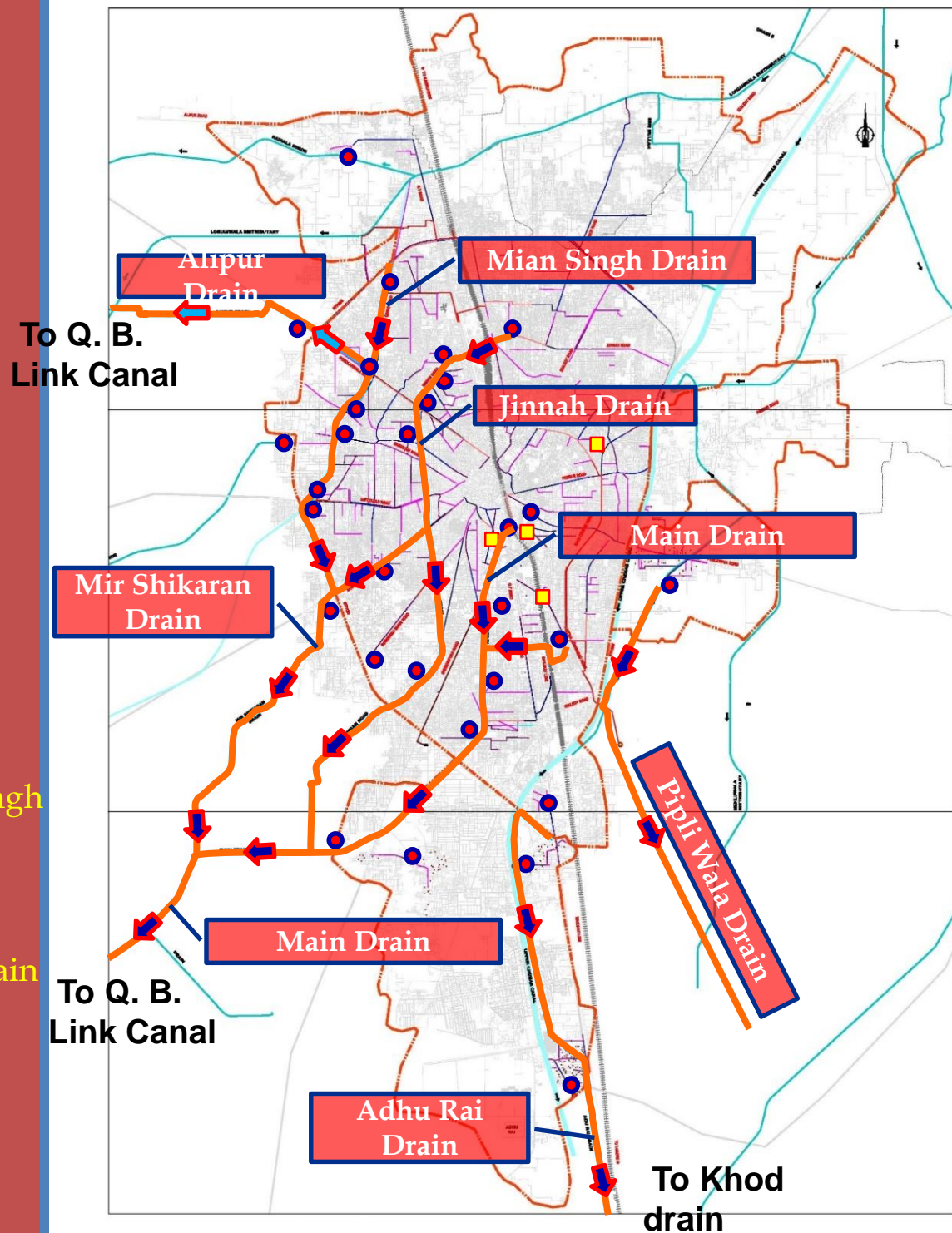
Salients

- ❑ Combined Sanitary and Storm Drainage System
- ❑ Covered Area is 70% .
- ❑ Un covered Area is 30%
- ❑ Sewer Length is 1481 Kms
- ❑ Drains Length is 34 Kms
- ❑ Sewage Pump Stations: 37 No.
- ❑ Pumping Capacity: 939 cusec

Existing Main Drains:

- ❑ Main Drain
- ❑ Jinnah Drain
- ❑ Mir Shikaran Drain
- ❑ Qila Mian Singh Drain
- ❑ Alipur Drain
- ❑ Adhu Rai Drain
- ❑ Pipli Wala Drain

Ultimate disposal point is Qadirabad Balloki Link Canal which is 47 km away from city



MACHINERY STATUS

Machinery	Total Numbers	Functional	Non Functional
Disposal Station	37	37	-
Disposal Pumps	117	104	7 (Abandoned) 108 (Functional) 6 (Under Repair)
Suction machine	10	10	-
Jetting machine	7	7	-
Excavators	5	5	-
Dewatering Sets	22		
Local Made (0.5 cusec)	8	30	-
JICA (3 & 5 cusec)			
Dump Trucks	08	08	-
Mobile Dewatering (JICA)	5	5	-
Fuel Bouzer	1	1	-



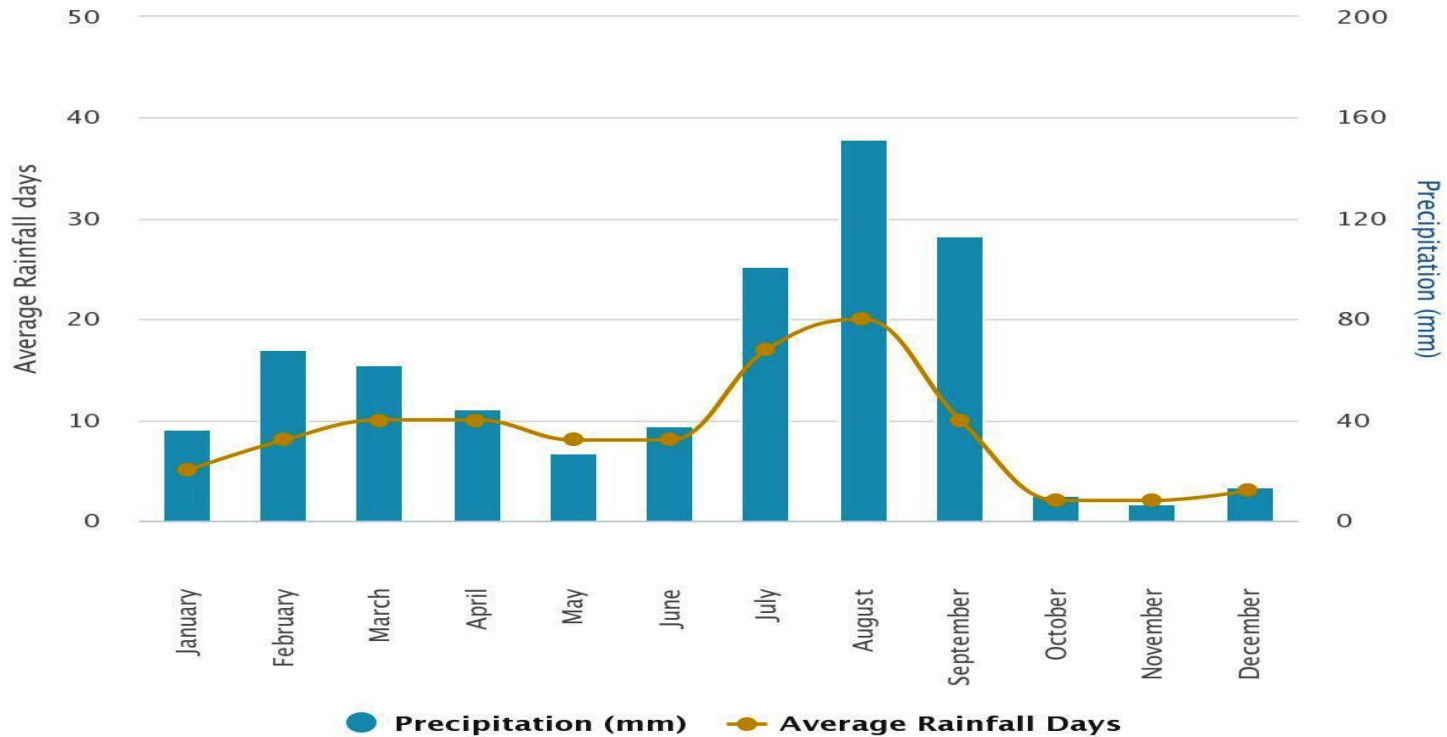
Trackers are installed on all machinery to check the location & efficiency

RAINFALL RECORD




Maximum Rain on a day recorded from 2017 to 2022

☐	22-08-2018	179 mm
☐	01-08-2019	230 mm
☐	02-07-2020	215 mm
☐	15-08-2021	192 mm
☐	14-07-2022	188 mm (short span)

Average Rainfall (mm Graph for Gujranwala)



MONSOON ARRANGEMENTS

- ❑ Hiring of 20 additional **sewer men (daily wages) in each Zone** have for desilting
- ❑ Mock exercise conducted on 20th May 2022 to ensure functionality of all machinery. 
- ❑ Desilting of sewer lines and small drains is in progress 
- ❑ Open Drains are being desilted with Excavators. 
- ❑ Team of HUD & PHE department checked the functionality of all machinery and found satisfactory
- ❑ Hiring of Generators for Underpasses on rental basis
- ❑ Constitution of 3 teams for supervision of activities during Eid Holidays
- ❑ Cancellation of Eid holidays and station leave during monsoon season

MONSOON ARRANGEMENTS

- ❑ Establishment of Monsoon Control Room in Headoffice 24/7
- ❑ Replacement of plastic manhole covers with RCC covers to avoid theft
- ❑ 35 % of Disposal Stations are equipped with alternate source of electricity.
- ❑ Cleaning of Overhead Reservoirs

RELIEF MEASURES

- ❑ Establishment of Quick Response Squad Unit →
- ❑ Customer Complaint Centers →
- ❑ Double Feeder System →
- ❑ Desilting of Trunk, Lateral Sewers and Drain
- ❑ Mechanical desilting in chronic areas →
- ❑ Functioning of Suction & Jetting Vehicles and Dewatering Sets
- ❑ Critical watch on Sore Points
- ❑ Action Plan at sore points →
- ❑ Establishment of Emergency Relief Camps (Jinnah Stadium, G T Road, Shaheenabad) →

DETAIL OF LIABILITIES

- ❑ Monsoon Grant has been fixed from 2015-16 for Rs.30.191 Million released on 06.07.2022 for Monsoon 2022
- ❑ The request for enhanced monsoon grant for Rs.110.416 Million has been sent to Government
- ❑ The detail of liabilities for coping Monsoon season is as under

Sr. No.	Head	Rs in Million
1	Repair of pumps	10.200
2	Repair of generators	3.400
3	Repair moveable machinery	15.200
4	Repair of standby motors	1.500
5	Repair of standby transformers	2.000
6	POL liabilities	18.000
7	O&M Files	29.925
	Total	80.225 Million

SORE POINTS

1. COMMISSIONER ROAD
2. D.C. ROAD
3. UNDER PASS JINNAH ROAD
4. PEOPLES COLONY UNDER PASS
5. MOHALALH BADAR-UL-KALAN
6. CHAN DA QILA
7. ALLAMA IQBAL ROAD
8. INSIDE EMINABADI GATE
9. MODEL TOWN MARKET
10. SHAHEENABAD G.T. ROAD.
11. THAKARSINGH GATE CHOWK
12. QILA MIAN SINGH DRAIN
13. PEOPLES COLONY MARKET
14. SHEIKHUPURA MORR TO WAPDA COLONY

SOLVED

15. SIALKOT ROAD JAGNA
16. BHUTTA CENTRE G.T ROAD
17. JINNAH STADIUM
18. MUNIR CHOWK
19. FURNITURE MARKET CIVIL LINES
20. TRUST PLAZA

IN PROGRESS

ISSUES

- ❑ RELEASE OF **ENHANCED MONSOON GRANT** (PENDING WITH GOVT)
- ❑ **LIABILITIES** OF ELECTRICITY, POL AND O&M
- ❑ EVICTION OF **CATTLE / FODDER SHOPS** FROM THE CITY AREA
- ❑ COTTAGE INDUSTRY WASTE CONNECTED INTO SEWER LINES
- ❑ SIDE DRAINS CONNECTED DIRECTLY TO SEWER LINES WITHOUT GULLY GRATINGS
- ❑ **PLASTIC MATERIALS / SHOPPING BAGS** THROWN DIRECTLY IN SEWER LINES
- ❑ LAYING OF SEWERAGE SYSTEM BY DIFFERENT DEPARTMENTS
- ❑ ACUTE **SHORTAGE** OF TECHNICAL STAFF
- ❑ **FINANCIAL CONSTRAINTS** (NO SPECIAL PACKAGE FROM LAST 4 YEARS LIKE OTHER WASA's)
- ❑ NO **OFFICIAL VEHICLE** FOR ANY OFFICER (FIELD)

Thanks

DISPOSAL / lift STATIONS

Sr. #	Disposal Stations	No. of Pumping Sets	Capacity in Cusec	Generators Capacity
1	Peoples Colony	11	110	300 KVA-3No
2	G. T. Road	5	50	300 KVA-2No
3	Rajkot	11	125	300 KVA-3Nos
4	Alam Chowk I	3	30	100 KVA-1No
5	Alam Chowk II	3	30	100 KVA-1No
6	Nowshera Sansi	5	60	300 KVA-1No
7	Khiali	10	105	200 KVA-1No
8	Ittefaq Colony	1	3	-
9	Gerjakh	2	20	150 KVA-1No
10	Mughal Pura	3	9	100 KVA-1No
11	Zahid Colony	3	10	100 KVA-1No
12	Nowshera Road	3	30	-
13	Sarfraz Colony	1	10	-
14	Abu Bakar Park	7	70	150 KVA-1No
15	Samanabad	4	35	100 KVA-1No
16	Kashmir Colony	3	15	100 KVA-1No
17	Rana Colony	2	15	-



Sr. #	Disposal Stations	No. of Pumping Sets	Capacity in Cusec	Generators Capacity
18	Baghwala	2	10	-
19	Bhaath Colony	1	3	-
20	Gulshan-e-Rehman	3	11	-
21	Dhullay Chowk	3	15	100 KVA-1No
22	Madina Colony (Jinnah Road) Lift Station	2	10	-
23	Jinnah Road (DC Road) Lift Station	2	8	100 KVA-1No
24	Peoples Colony Underpass Lift Station	1	5	-
25	Haidery Road Under Pass Lift Station	2	06	Attached with generator G T Road D/S
26	Jinnah Road Underpass Lift Station	1	03	-
27	Model Town Lift Station	1	05	-
28	Islamia College Chowk Lift Station	1	05	-
29	Commisioner Road Lift Station	1	5	-
30	Muslim Road Lift Station	1	5	-
31	Rakh Kikran Wali	4	20	-
32	Kohlu Wala	2	6	-
33	Jaleel Town	2	10	-
34	Pipli Wala	3	30	-
35	Fransisabad	2	10	-
36	Awan Chowk	3	25	300 KVA= 1 No
37	Eminabad	2	20	
	Total	117	939	21



MAJOR DRAINS

S. No	Drain	Length Km	Size	Capacity	Ultimate Disposal	Desilting status
1	Main Drain	7.01	8'x11'	220 Cusec	Mir Shikaran Drain (Irrigation Deptt)	2nd round in progress
2	Qila Mian Singh Drain	7.99	12'x8'	240 Cusec	Mir Shikaran Drain (Irrigation Deptt)	Desilted
3	Jinnah Road Drain	9.02	4'x5'	50 Cusec	Main Drain	Desilted
4	Nowshera Road Drain	2.44	5'x8'	100 Cusec	Qila Mian Singh Drain	Desilted
5	Kashmir Colony Drain	1.68	5'x4'	50 Cusec	Adhorai Drain (Irrigation Deptt)	2nd round in progress
6	Pipliwala Drain	4.37	5'x5'	60 Cusec	Adhorai Drain (Irrigation Deptt)	2nd round in progress
7	Alipur Drain	5.50	6'x8'	120 Cusec	Cantt drain (Irrigation Deptt)	Desilted
8	Peoples Colony Drain	1.71	6'x7'	105 Cusec	Main Drain	Desilted
	Total Length	33.84				



MOCK EXERCISE



MANUAL DESILTING



DRAIN

Drainage

Timestamp Camera

Timestamp Camera



Timestamp Camera

Timestamp Camera





Adho Rai Drain More Emanabad



Adho Rai Drain More Emanabad



Adho Rai Drain More Emanabad



Chianwali Drain Near Toll Plaza Gujranwala



Chianwali Drain Near Toll Plaza Gujranwala



Chianwali Drain Near Toll Plaza Gujranwala



Chianwali Drain Near Toll Plaza Gujranwala



WATER AND SANITATION AGENCY (GDA) GUJRANWALA

Ph:055-9230200 e-mail:wasa_gwl1997@yahoo.com

OFFICE ORDER


No: WASA/MD/ 69 Dt: 10/05/2022

Whereas, to meet with any emergent situation, a **QUICK RESPONSE SQUAD FOR MONSOON** is hereby established for round the clock (24/7 hours) comprising upon the following at WASA Head Office Block-X, Peoples Colony Gujranwala:-

1. Mr. Sarmad Waheed, Assistant Director (Engg) Incharge
Cell No. 0324-4560024
2. Mr. Tauqeer Hussain, Assistant (0321-6455788)
3. Plumber 1 No.
4. Electrician 1 No.
5. Sewer Supervisor 1 No.
6. Vehicle Driver 2 No.
7. Sewermen 4 Nos.
8. Jetting Machine 1 No.
9. Mobile Dewatering Set 1 No.

Helpline No.

1334/055-9230140


Managing Director
Water and Sanitation Agency
(GDA) Gujranwala

A copy is forwarded to:-

1. The Secretary, HUD & PHE Department, Govt. of the Punjab, Lahore
2. The Commissioner, Gujranwala Division, Gujranwala
3. The Deputy Commissioner, Gujranwala
4. The Director General, GDA Gujranwala
5. The Director Engineering, WASA (GDA) Gujranwala
6. All the Deputy Directors (Engg), WASA (GDA) Gujranwala
7. Concerned Officers/Officials



Complaint Centers

Sr. #	Location	Phone
1	Head Office (24/7)	1334 / 9230140
2	Liaqat Bagh	055-9200454
3	Sheranwala Bagh	055-9200465
4	Ladies Park Model Town	055-9330536
5	Peoples Colony X-Block	055-9230183
6	Saghir Park	055-4442996
7	Alam Chowk	055-4447800



DOUBLE FEEDER ELECTRIC CONNECTIONS

S.No	Disposal Station	Feeders
1	Rajkot	Dhullay, Gondlanwala Road
2	Alam Chowk-I	Gulshan abad, Farooq Ganj
3	Alam Chowk-II	Billal Road, Hafizabad Road
4	Garjakh	Clock Tower, Muslim Town
5	Baghwala	Prince Road, Gujranwala-III



MECHANICAL DESILTING



EMERGENCY RELIEF CAMPS



G T ROAD DISPOSAL STATION



JINNAH PARK G T ROAD



SUPERIOR SCIENCE COLLEGE



ONE PAGE BRIEF

Machinery	Total Numbers	Functional	Non Functional
Disposal Station	37	37 (9 lift stations)	-
Disposal Pumps	117	105	7 (Abandoned) 105 (Functional) 5 (Under Repair)
Suction machine	10	10	-
Jetting machine	7	7	-
Excavators	5	5	-
Dewatering Sets	22		
Local Made (0.5 cusec)			
JICA (3 & 5 cusec)	8	30	-
Dump Trucks	08	08	-
Mobile Dewatering (JICA)	5	5	-
Fuel Bouzer	1	1	-
Generators	21	21	-

Staff	Numbers
Sewermen	210
Daily wages	60
Vehicle drivers & Pump operators	31
Total Staff	301

35 % of Disposal pumps are equipped with alternate source of electricity

- Graveyards will be cleared before Eid-ul-Azha
- Staff deputed at Cattle Markets
- Emergency camps (Superior College, PMU D/S and Jinnah Stadium)
- Establishment of Monsoon Control Room
24/7 (1334,055-9230140)
- Generators hired at Underpasses
- Double Feeders electric connections at 5 Disposal Stations

S.No	Disposal Station	Feeders
1	Rajkot	Dhullay, Gondlanwala Road
2	Alam Chowk-I	Gulshan abad, Farooq Ganj
3	Alam Chowk-II	Billal Road, Hafizabad Road
4	Garjakh	Clock Tower, Muslim Town
5	Baghwala	Prince Road, Gujranwala-III

LIFT STATIONS

Sr. #	Disposal Stations	No. of Pumping Sets	Capacity in Cusec	Generators Capacity
1	Madina Colony (Jinnah Road) Lift Station	2	10	-
2	Jinnah Road (DC Road) Lift Station	2	8	100 KVA-1No
3	Peoples Colony Underpass LiftStation	1	5	100 KVA-1 No
4	Haidery Road Under Pass Lift Station	2	06	100 KVA-1 No
5	Jinnah Road Underpass Lift Station	1	03	-
6	Model Town Lift Station	1	05	-
7	Islamia College Chowk Lift Station	1	05	-
8	Commisioner Road Lift Station	1	5	-
9	Muslim Road Lift Station	1	5	-
	Total	12	52	03

