

DISTRICT DISASTER MANAGEMENT PLAN 2020

District SAHIWAL



Prepared by: Additional Deputy Commissioner (R), SAHIWAL

Approved by: Deputy Commissioner, SAHIWAL



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Flood

Estimated number of people at risk of floods in 2019

30%
of total population

Risk: High

Earthquake

Estimated number of people at risk of Earthquake in 2019

20%
of total population

Risk: Medium

Epidemic

Estimated number of people at risk of epidemic in 2019

10%
of total population

Risk: Low

Cross Border Firing

Estimated number of people at risk of Cross Border Firing in 2019

1%
of total population

Risk: Medium

STRATEGIC SUMMARY

The District was originally known as Gugera after the name of small village on the left Bank of the River Ravi. It became a regularly administered area in 1849. With the advent of the Railways, the head quarters was shifted in 1865 to the present site known then as Sahiwal, which was a small settlement of local "Sahi" tribesmen. It was named Montgomery after the name of Sir Robert Montgomery who was then Lieutenant Governor of the Punjab. Honouring the wishes of the people of the district on 14th November 1966, the Government revised its original name Sahiwal.

LOCATION:-

The District include in the former Multan Division, and lies between the River Ravi and Sukh Bias Nala. Its approximate height above sea level is about 152 meters. The district lies between 29 – 59 and 30 – 57 north latitudes and 72 – 25 and 73 – 21 east longitudes.

DISTRICT PROFILE

Population

Total	Male (above 18)	Female (above 18)	Boys (less than 18)	Girls (less than 18)	Vulnerable Groups (PLWs, disabled, aged)	Population Density (people per Sq. km)
25,17,560	1,281,072	1,236,369	-	-	-	-

Source: Census 2017

Total Number of Houses	Kaccha Houses	Pakka Houses	Mixed Houses
3,92,509	4221	10219	-

Source: Click here to enter text.

Total Area (in acres)	Area in cultivation (in acres)	Number of Tehsils	Number of Union Councils	Number of Villages/Mouzas/ Revenue estates
789856	1,30,530 Acres	2	--	531

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
54%	33.8%	20.9%	30.2%	19.3%	64%	40.2%

Source: Census Report 1998

Poverty (percentage of population below poverty line)

Overall	Rural	Urban
65.3%	46.3%	19%

Source: Click here to enter text.

Government Schools

Private Schools

		Number of Functional Schools	Enrollment Rate			Number of Functional Schools	Enrollment Rate
Total/ Overall		1159	29.24	Total/ Overall		1750	23.29
Boys	Primary	353	10.19	Boys	Primary	30	1.26
	Middle	107	3.35		Middle	813	52.84
	High/ higher	115	1.79		High/Higher	115	2.37
Girls	Primary	304	2.79	Girls	Primary	10	0.47
	Middle	173	85.00		Middle	36	1.64
	High/ Higher	107	92.00		High/Higher	169	2.02
C-Schools	--	--	--	Co-Schools	Primary	394	14.62
	--	--	--		Middle	193	2.60
	--	--	--		High	--	--

Government Health Facilities

	DHQ	THQ	RHC	BHU	Civil Dispensary
Total					
Functional	01	01	11	76	28

Main source of livelihood in the community?(in percentage)

1. Agriculture based - own farm/share cropping	2. Livestock based	3. Fishery	4. Daily laborer	5. Regular job	6. Shopkeeper/trader/Business	7. Other
30%	10%	1%	10%	15%	40%	%

Disaster History - Floods (since 2000)

S#	Year	No. of people affected	No. of deaths	No. of Mouza Affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	2014	-	-	-	-	-	--	-
2	2016	-	-	-	-	-	-	-
3	2017	120	-	12	55	-	-	-
4	2018	150	1	5	1	0	40000	-
5								
6								
7								
8								
9								
10								
11								
12								

Disaster History – Other disasters (since 2000)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	-	-	Nil	Nil	-
2	-	-	-	-	-
3	-	-	-	-	-
4					
5					
6					
7					
8					
9					
10					

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
-	-	-	-	-	-	-

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Mouza/Tehsil Name)	Ending Point (Mouza/Tehsil Name)	Name of Critical/vulnerable Points	GPS Location of Critical/Vulnerable Points	
					Latitude	Longitude
J-head Spur Ara Tulla	2.06	Ara Tulla/Sahiwal	Ara Tulla /Sahiwal	-	Latitude: 30.67882 Longitude: 73.090275	
J-head Spur Dadra Bala	0.81	Dadra Bala/Sahiwal	Dadra Bala/Sahiwal	-	-	
Guide spur 2 nd Dulla Zareen	0.24	Daula Zareen/Sahiwal	Daula Zareen/Sahiwal	-	-	
Guide spur Kaureshah Zareen	0.32	Daula Zareen/Sahiwal	Daula Zareen/Sahiwal			
Guide spur	0.58	Kaureshah Zareen/Sahiwal	Kaureshah Zareen/Sahiwal			
Guide spur	0.30					
6 No. solid stone studs	0.18	Dad Baloch/Sahiwal	Dad Baloch/Sahiwal			
Gunda Bund	2.06	Aurangabad/Sahiwal	Aurangabad/Sahiwal			

Minor Embankment / Bunds

Sr. No.	Name of Flood protection bands structures	GR/RD		Height (Ft)	Width (Ft)	Length (Ft)	Present condition of bunds / structure	Likely vulnerable areas
		From	To					
1.	--	--	--	--	-	-	-	-
2.	-	-	-	-	-	-	-	-
3.	-	-	-	-	-	-	-	-
4.	-	-	-	-	-	-	-	-
5.	-	-	-	-	-	-	-	-
6.	-	-	-	-	-	-	-	-

Breaching Section

Name of River	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Mouzas	Remarks
			Male	Female	Children		
--	--	--	-	-	-	-	No mouza likely to be affected in case breaching of breaching section of Marala Barrage

Power Houses/Grid Station/Oil Depot

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Grid station Yousaf wala	500 KV	Latitude: 30.669667 Longitude: 73.169625	--	--	X: Y:
Coal Fired Power Project, Qadirabad.	1320 KV	X: Y:	--	--	X: Y:

Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
--	--	--	--	--	--
--	--	--	--	--	--

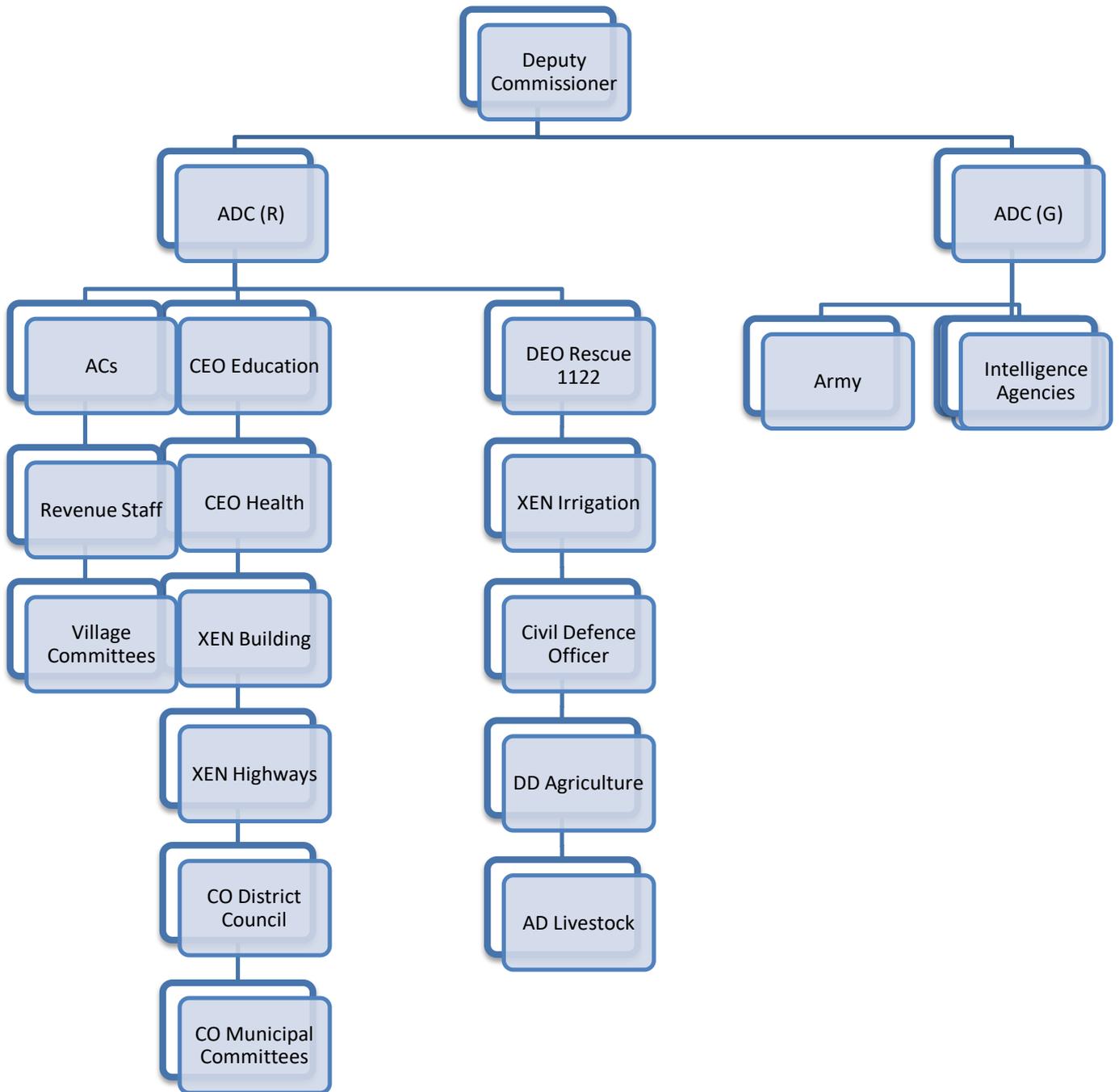
Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

ESTABLISHMENT OF CONTROL ROOM

- The District Flood Control Room has been established in the office of the Additional Deputy Commissioner (General), Sahiwal at Telephone No.040-9200069.
- (COVID-19) Control Room already established in ADC(G) Office Sahiwal at Land Line No. 040-9200069 is hereby earmarked as “**Flood Control Room**” and officers /officials have already been detailed on duty has been assigned flood duty accordingly.
- It shall be functional 24 hours. Duty roster shall be issued before 1st of June every year by the District Flood Relief Officer.
- The officials deputed for duty shall be given training by the DFRO about their role and duties on 1st June every year.
- The foregoing arrangements shall also be made on the similar pattern at offices of the Assistant Commissioners offices which shall be Tehsil Flood Relief Officers.
- In normal situation Information regarding discharge position of River Ravi in the District shall be received twice a day.
- In case of any potential threat or emergency, frequency of information shall be increased.
- The following departments shall also establish their Departmental Flood Control Rooms on the similar pattern.
 - Tehsil Council
 - Metrol Politon Corporation Sahiwal, MC, Chichawatni & Kameer
 - District Police Office Sahiwal
 - Rescue 1122, Sahiwal
 - Irrigation XEN (s) Sahiwal.

Coordination Organogram (including Sector lead agencies/departments, Military, NGOs and Volunteers)



DDMA (composition, functions and responsibility)

DDMA Comprising of the following:

Deputy Commissioner - Chairman

DEO Rescue 1122 - Secretary

Members: ADCR, All ACs, All Chief Officers DC/MCs, All CEOs, All XENs, All DDs.

Functions and Responsibilities.

- I. Prepare a disaster management plan including district response plan for the province.
- II. Co-ordinate and monitor the implementation of the National Policy, Provincial Policy, National Plan, Provincial Plan and District Plan.
- III. Ensure that areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the Local Authorities.
- IV. Ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and Provincial Authority are followed by all departments of the government at the district level and local authorities in the District.

Disaster Management Coordination Centre/Control Room (functions and responsibilities)

The Following would be the Mechanism:

- I. The control room is the nodal center in terms of disaster management.
- II. To monitor, coordinate and implement the actions for disaster management.
- III. To ensure an information system on a routine basis from the District Heads of Departments on the vulnerability of various blocks and villages.
- IV. To make arrangements for dissemination of information to all vulnerable places.
- V. To report the ground situation and the action taken by the District Administration.
- VI. To have a list of all personnel and trained persons who could be contacted at any time.
- VII. To organize post disaster evaluation.
- VIII. To develop liaison with the operation center. Site operation center is the center in the disaster site to be set up
- IX. Coordinating among response and rescue department for timely rescue and reporting to Govt. / PDMA for additional rescues.
- X. To organize post disaster evaluation.

Civil-Military Coordination Mechanism

The ADC (R) will coordinate with Army Units for any possible assistance needed for disaster response under approval from the DC/Chairman DDMA.

Volunteer Network

Volunteers Management System is as under:

- i. Civil Defence, 40 volunteers Coordinating thier Civil Defence Officer Fariha Jaffar, Cell: 03077979677
- ii. Rescue 1122, 50 Volunteers on call coordinating Dr. Khalid Abdullah Contact# 0335-1101122

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	3	3	9
Urban Flooding	2	3	6
Cross Border Firing	1	1	1
Flash Floods	0	0	0
Hill Torrent	0	0	0
Glacial Lake Outburst Flood (GLOF)	0	0	0
Landslide	0	0	0
Tornado	2	1	2
Earthquake	0	0	0
Drought	2	1	2
Epidemic	3	2	6
Fire Incidents	3	3	9
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	3	3	9
Environmental Hazards (industrial accidents, severe pollution etc.)	3	3	9

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

High : 15-25

2.Hazards

Tornado 2011

1. Deaths 06
2. Injured 38
3. Affected Persons 1,257
4. House Damaged 164

Flood-2014

- | | |
|---------------------|-------------|
| 1. Village Affected | 971 |
| 2. Deaths | 42 |
| 3. Injured | 03 |
| 4. Cattle Loss | 123 |
| 5. Crops Affected | 22231 Acres |
| 6. Roads Damaged | 208 |
| 7. Houses Damaged | 2576 |

- Disasters occurred over the past two to three decades and their impact on communities and development sectors
- Provide a brief description of the hazards being planned for (medium and high risks), including potential location that could be affected;
- Briefly outline the triggers

The river reach of Sahiwal Canal Division LBD Sahiwal starts from Mari-Pattan to Chichwatni Bridge. Flood damages in this area have an old history which starts from the year 1955. During the year 1955, a heavy flood in river Ravi at Balloki headworks was recorded as 204360 Cs. A huge area and Government infrastructure

PREPAREDNESS

I. Identification of areas likely to be affected

All AC's shall identify the areas that were affected during the last flood as well as that are likely to be affected and send lists about all such areas to District Flood Relief Officer before 30 April.

The following areas, which had been affected during previous floods, are likely to be affected.

- I. Tehsil Sahiwal & Chichawatni
 - a) River RAVI

River Ravi enters in District Sahiwal at Head Balooki. The flood water passing through Head Balooki affects the downstream areas on south eastern side of the river mostly comprising the area of District Sahiwal.

These teams shall work under the command of Sector Incharges and be deployed, as and when required, in the affected area. When the emergency goes beyond the capacity of the local teams, the Sector Incharge shall report the matter to the Assistant Commissioner concerned for deputing further teams in the affected areas.

Upon information about occurrence of a disaster which requires immediate assistance, the Control Centre will dispatch without undue delay, advance party which shall begin the rescue operations and give an immediate preliminary report containing required quantum of assistance, to the Control Centre

b)

II. Communication Systems Likely To Be Affected

The District Police Officer in association with Sub Divisional Officer, Telephones will be Incharge of the Communication Service. There shall be wireless sets and special flood telephones placed in the Disaster Control Centre which will run round the clock.

3. Humanitarian Consequences

Tornado 2011

1. Deaths 06
2. Injured 38
3. Affected Persons 1,257

Flood 2014

1. People Affected 16000
2. Deaths 04
3. Injured 10
4. Cattle Loss 60

Flood 2016

1. People Affected 1200
2. Deaths 02

4. Response & Operational Capacity

- * All District relief and rehabilitation teams will show response.
- * All CEOs, DDs will be standby with their teams.
- * At Tehsil Level ACs, Chief Officers-MCs, Assistant Directors of all departments will join hands humanitarian crisis management

5. Strategic Reserves

Sr#	Items	Available
1	Boats	07
2	De-watering sets	06
3	Electric De-Watering Sets	0
4	Life Jackets	80
5	Life Ring	140
6	Life Lines	0
7	Scuba diving suit	04
8	First Aid Kits	120
9	Ambulances	07
10	Fire Vehicle	04
11	Water Tanks / Boozers	03
12	Hydraulic Cutter	01
13	Tractor with Bucket	13
14	Sucker Machine	05
15	Tractor/Trolleys	24
16	Searchlight	02
17	Tent	241
18	Mini Tent	0
19	Mosquito Net	28
20	Plastic Mat	0
21	Blanket	0
22	Generator Sets	02
23	Gas Cutter	00
24	Jetting Machine	04
25	Quilts	00
26	Mattress	0
27	Rain Coats	0

6.Gaps and Constraints

- * Lack of transportation system from the areas likely to be affected.
- * Non availability of 4x4 vehicle to move the senior management to the affected areas during flood.
- * Non availability of trucks which could carry boats and rescue to the effected areas.
- * Shortage of man power with rescue 1122 to under take flood rescue operation while containing their other regular rescue services/operation.

MITIGATE STRATEGY

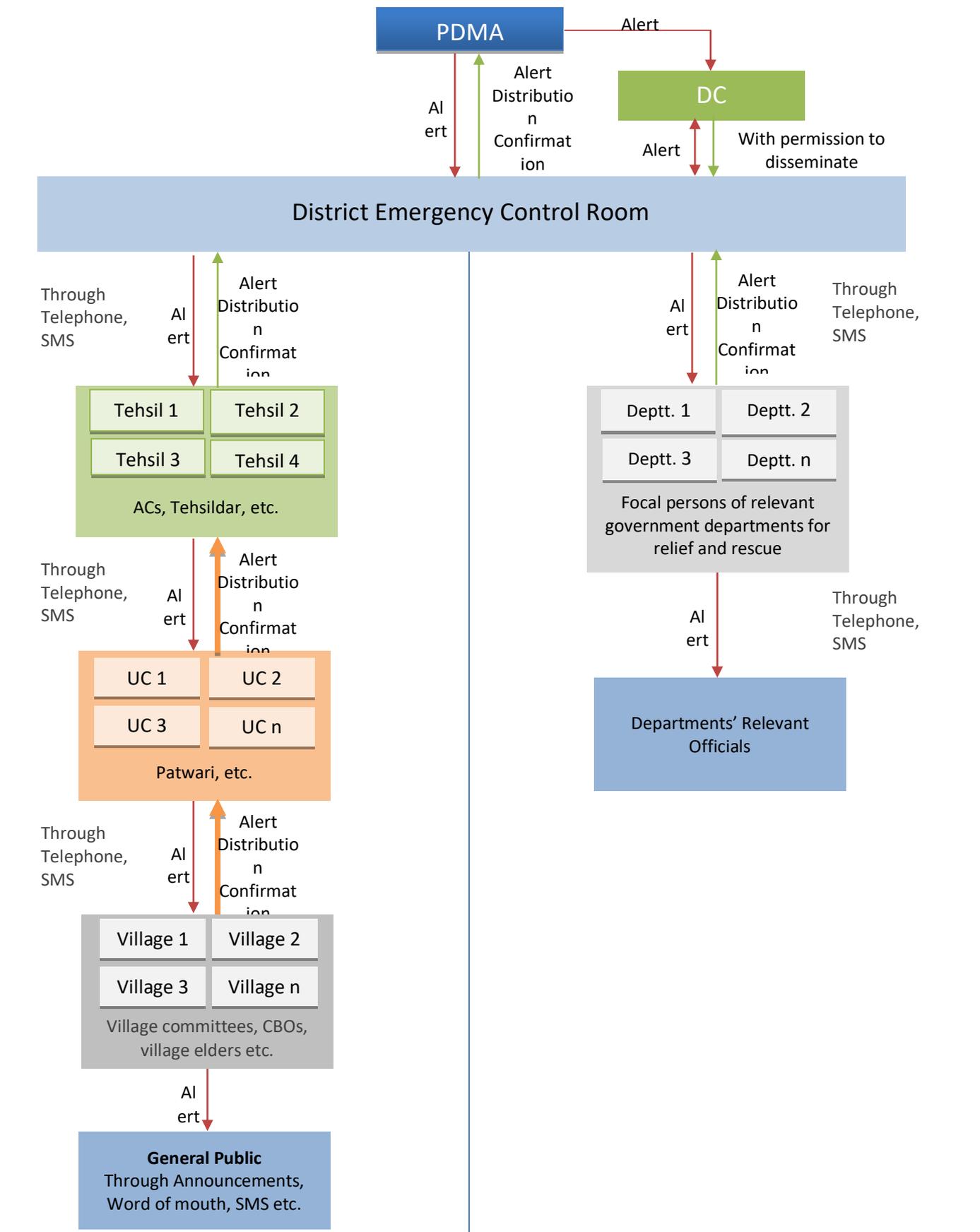
- ✓ Briefly describe what measure could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	<ul style="list-style-type: none"> • Desilting section widening and channelization of Nullahs and drains. • Repair and strengthening of bunds and embankments. • Maintenance of inlets penstocks of disposal stations. • Culverts, water ways, small bridges on highways road 	<ul style="list-style-type: none"> • Irrigation, District Council. MC S • Irrigation, PHE • Irrigation, PHE • C & Works
Cross Border Firing	<ul style="list-style-type: none"> • Relocation of people residing near border • Construction of Bunkers 	<ul style="list-style-type: none"> • District Administration • Pak Army
Urban Flooding	<ul style="list-style-type: none"> • Clearance of encroachments • Clearance for desilting and drains / sewerage 	Municipal Committees/Corporation
Flash Floods	N/A	N/A
Hill Torrent	N/A	N/A
Glacial Lake Outburst Flood (GLOF)	N/A	N/A
Landslide	N/A	N/A
Tornado	<ul style="list-style-type: none"> • Capacity building of citizen rescue service. 	Rescue 1122
Earthquake	<ul style="list-style-type: none"> • Capacity building of departments • Community training • Response strategies • Construction of earthquake resistant infrastructure 	<ul style="list-style-type: none"> • Rescue 1122 • DDMA • Building Department
Drought	N/A	N/A
Epidemic	<ul style="list-style-type: none"> • Preventive measures • Spray of insecticides • Public awareness 	<ul style="list-style-type: none"> • Health / MCs • Health / MCs
Fire Incidents	<ul style="list-style-type: none"> • Capacity building of stack holders • Effective response system 	<ul style="list-style-type: none"> • All Dept. • Rescue 1122
Other Major Accidents (Building)	<ul style="list-style-type: none"> • Ban on underage rikshaw drivers • Deployment of Traffic warden on all major chowks. 	City Traffic Police

Collapse, road traffic accidents, train accident, Stampede, plane crash)	<ul style="list-style-type: none">Action against dangerous buildings	District Council/MCs
Environmental Hazards (industrial accidents, severe pollution etc.)	<ul style="list-style-type: none">Installation of industrial waste treatment plantEstablishment of Tennary Zone far from Urban AreaEstablishment of Industrial Zone	DO Industries

EARLY WARNING

Information Flow Diagram



EARLY WARNING AND EVACUATION**EARLY WARNING AND COMMUNICATION SYSTEM OF DISTRICT FLOOD CONTROL CENTER**

- The Flood Control Center shall receive direct warning from the Provincial Disaster Control Lahore.
- It shall process each information and transmit it to the Tehsil to which it relates.
- Everything contrary to normal shall immediately be communicated to

I. The Deputy Commissioner at his numbers;

Office: 040-9200060

Residence: 0409200064

Cell No: 03040920086

II. ADC (R):0345-5195213

III. ADC (R) District Flood Relief Officer: 0409200078-

IV. The District Emergency Officer at 1122 and 0409200106 cell 0335-1101122

V. Assistant Commissioner concerned at following numbers

AC Sahiwal: 040-9200110-

AC Chichawatni: 0405480033-032168059632

- On receipt of warning, they will convey it to the local population through the revenue field staff.
- The local population shall be warned about the approaching flood.

RESCUE STRATEGY

- i. Strategic Command will be done by the Deputy Commissioner being the Chairman of District Disaster Management Authority (DDMA) and District Emergency Board (DEB)
- ii. The main focus of strategic command will be to establish the priorities and strategy for managing the flood situation and to supply the resources to deal with it.
- iii. Strategic Command has established a clear and unambiguous command structure based upon the experiences of previous years, Geographical Condition of District, unpredicted Climatic changes, resources held and future challenges.
- vi. A key function of Strategic Command will be to predeploy rescue and flood management Resources to District and Tehsil level Rescue Teams.
- v. Joint meetings of DDMA and DEB will be held before start of Flood season to review the preparation for the flood season, identify the resource gap/short comings and ensure timely completion/procurements.

LIST OF INDUSTRIES

Sr. #	Category of Units	Number
1	Agricultural Implements Manufacturing Units	14
2	Aluminum Products	9
3	Auto Parts	10
4	Biscuits Factories	6
5	Cement Products	2
6	Cold Storages	79
7	Confectionery	35
8	Cosmetics	1
9	Cotton, Ginning & Pressing	58
10	Dairy Products units	5
11	Drugs & Pharmaceuticals	2
12	Electric Goods / Fans & Coolers	9
13	Flour Mills	14
14	Food Products	2
15	Foundry Products	4
16	Leather Garments	2
17	Packages	1
18	Plastic Products	3
19	Poultry Feeds	2
20	Rice Mills	48
21	Seed Processing Mills	3
22	Soap & Detergent Factory	1
23	Surgical Cotton/Bandage Factory	2
24	Tanneries	13
25	Textile Spinning Mills	5
26	Textile Weaving Mills	3
27	Tobacco	1
28	Unani Medicine	1
29	Vegetable Ghee & Cooking Oil	6
	Total	341

- * All concern department will provide damages / loss reports
- * DDMA shall prioritize need.
- * Rescue 1122, Civil defence, MCs and Health Department will provide help in the respective areas of responsibility.
- * DDMA will be facilitating & monitoring the humanitarian assatant.
- * All correspondence will be made through DC in coordination with all departments in the District.
- * 12 relief camps will be established by the district aministration with coordination of local administration

COORDINATION MECHANISM

Coordination Organogram (including Sector lead agencies/departments, Military, NGOs and Volunteers)
District Flood Controls has been established in the office of Deputy Commissioner, Sahiwal with telephone No. 040-9200069, it remains operational round the clock and one official and Naib Qasid remain present round the clock. All flood situation reports are received in this control room and conveyed to the concerned Assistant Commissioner / Sub Divisional Control Officer. The daily situation reports are exchange on telephone and incase of emergency police wireless system is also used.

DEPARTMENTWISE OPERATIONAL PLANS

Disaster Management Services

I. Health Department Service

- The CEO (Health) shall be the incharge of these Services.

❖ Functions

- He shall cause to be prepared flood contingency plan pertaining to health department by 31st March every year.
- The CEO (Health) shall purchase complete emergency medicine by 30th April every year. All flood emergency related medicines shall be purchased in sufficient quantity.
- The DHO shall notify Health & Nutrition Coordination Committee comprising;
 - ❖ DHO Sahiwal
 - ❖ DDHO Health Sahiwal,
 - ❖ DDHO Health Sahiwal,
 - ❖ DDHO Health Chichawatni,
 - ❖ DDHO Health Chichawatni,
 - ❖ CDCO,
 - ❖ DSV,
 - ❖ DSI,
 - ❖ Director DHDC,
 - ❖ IRMNCH Programme,
 - ❖ UNO
- The Health & Nutrition coordination committee shall hold meetings on weekly basis.
- The CEO (Health) and DHO shall arrange deficient stock of logistics supplies till 15th June. (Tents, Medicine stock)
- The CEO (Health) will nominate NGOs / CBOs who shall be helpful during flood till 2nd Week of April.
- The CEO (Health) and DO (H) shall ensure the supply of logistics and medicine stock at designated points till 20th June of every year.
- The CEO (Health) and DHO shall arrange orientation training of Medical Officers and paramedical staff about flood relief camps and disease reporting till 2nd well of June.
- The CEO (Health) shall review all these preparations till 04th week of June.
- On 1st July District Epidemic Response Team (DERT) will be activated by the DHO.

- Assist in location of family members of victims, facilitate reunion of dislocated families.
- Provide useful knowledge and skills to victims to help them in their return to normal living.
- Arrange activities to meet the diverse needs of disaster victims.

III. SECURITY SERVICES

- These services shall be under the direct charge of the District Police Officer, Sahiwal in order to maintain peace and order and protect life and property in the disaster area.
- The Assistant Commissioner and DSP shall assist him in his task at Tehsil level.
- There shall also be a Liaison Officer from the Army included in these Services.

❖ Functions

- Establish security post at the temp. Relief camp.
- Maintain peace and order
- Enforce Law & Order.
- Apprehend/Arrest law violators
- Protect evacuated inhabitants and stocks of resources.
- Facilitate disaster operations by controlling the movement of the individuals.
- Handling the bodies of deceased persons.
- Detect and prevent disaster.
- Carry out initial rescue and survey operations
- Assist in saving lives and property
- To establish temporary Police Check Posts at the vulnerable points to stop the cuts / breaches on the left banks of Canals as given below: -

Sr.	Location
1	Police station Sadar, Sahiwal
2	Police station, Bahadur Shah, Tehsil Sahiwal.
3	Police station Noor Shah, Tehsil Sahiwal.
4	Police station Harappa, Tehsil, Sahiwal.
5	Police Station Kameer, Tehsil, Sahiwal.
6	Police station , Sadar, Tehsil Chichawatni.
7	Police station , Ghazi Abad
8	Police Station, Kassowal, Tehsil Chichawatni.

- He will direct traffic and plan alternative road connection.

IV. TRANSPORTATION SERVICES

- The Secretary DRTA shall be the Head of these services;

❖ Functions

- This cell, in addition to the existing Transport shall also requisition vehicles from other Departments and public sector.
- Ensure adequate supply of POL for all transport in use of all departments especially the emergency response services.
- Manage, direct and control all available transportation facilities and ensures their appropriate and efficient utilization in the disaster area.
- All requests are to be forwarded to the transportation service in the following cases:
 - Evacuation from the area under threat.
 - Transportation of the affected population from the temporary relief camps to the permanent relief camps established in the school buildings.
- Prepare list of persons to be contacted for provision of Transport.
- Constitute Teams to bring transport in line.
- Tehsil wise acquisition &utilization of the transport.

V. AGRICULTURE DEPARTMENT SERVICES

- The Deputy Director (Agriculture) shall be the incharge of these Services.

❖ Functions

- They shall help the Irrigation Department in the supply of earth moving machinery for bund protections.
- Supply of seed for sowing of crops.
- Assist farmers on preparation and sowing of crops.
- Provide fertilizers and agricultural implements on loan basis.

VI. LIVE STOCK & DAIRY SERVICES

- The AD (Live stock) shall be the incharge of these services:

❖ Functions

- The AD (Live Stock) shall start pre-flood vaccination w.e.f 1st May every year throughout the District that shall continue upto 15th May every year.
- Vaccination against H.S., Foot & Mouth, Entro Toxemia, pleuropneumonia and N.D.
- The AD (Live Stock) shall issue duty roster to this effect by 31st March every year.
- Rescue live stock in coordination with other departments.
- Establish veterinary camps.

- Arrange all necessary medicine
- Treatment of Animals
- Provision of fodder and Wanda

VII. CIVIL DEFENCE SERVICES

- The Civil Defence Officer shall be the incharge of these Services helped by 30 volunteers.

❖ Functions

- He shall issue duty roster assigning duties of volunteers in case of flood emergency.
- He shall ensure issuance of flood warning through his volunteers in case of likelihood of flood.
- He shall arrange training of the volunteers with a special focus on warning, rescue and relief activities pertaining to flood emergency in the month of April every year.
- The volunteers shall also be imparted first Aid Training including artificial respiration, treatment of snake biting and emergency method of rescue.
- He shall conduct search and sweeping through Bomb Disposal Squad in case of any suspicion.

VIII. COMMUNICATION SERVICES

- The District Police Officer shall supervise the communication system at the District level.

❖ Functions

- They shall ensure that all the telephone connections and wireless sets are in working order during emergency period.
- It shall also connect strategic points with the nearest telephone exchange or through wireless connection.
- Director Telephones Sialkot shall ensure that the telephone numbers of important departments are always in working condition especially those given in attached List.

IX. ENGINEERING (MECHANICAL) SERVICES

The Assistant Agriculture Engineer shall be incharge of these services:

❖ Functions

- Provide machines and material for repair of bulldozers and tractors working on bunds.
- Establish workshop near the vulnerable points.
- The bulldozers of Agriculture Department shall be utilized for the strengthening of canal banks and to improve the flow of water through siphons.

X. FOOD SERVICES

- The District Food Controller shall be Incharge of these Services.
- He shall be assisted by his Assistant Food Controllers.

❖ Functions

- He shall ensure that adequate stock of Aata is available in the District.
- He shall prepare a plan for special ration depots at the strategic places.
- He shall organize mobile depots.

VIII. FOREST DEPARTMENT

The Divisional Forest Officer shall be the incharge of these services.

❖ Functions

- Shall provide "ABKALANI" material and assist the patrolling of bunds. He shall provide places for flood affected cattle-heads.

X. INFORMATION SERVICES

The District Information Officer shall be the incharge of these services.

❖ Functions

- He shall ensure that news media and the public receive correct information and warning messages.
- He shall plan and arrange the visits of newsmen to the flood affected areas in district Sialkot.

XI. IRRIGATION & POWER SERVICES

This department consists of the following members:

- Executive Engineer, Sahiwal.
- Executive Engineer, Nili Bar Division.

❖ Functions

- The department shall supervise, direct and control bund protection activities,
- Desilting of all syphons and inlets of UCC and MR Link.
- It shall also control various canals in the District.
- The XEN Sahiwal Link division shall establish two emergency depots on the bank of Riever Ravi. to cover the breach in the right bund of Aik.
- XEN Sahiwal Link shall further deploy staff on River Ravi and UCC to keep vigilance and to act in case of emergency especially at sites of possible breaches.
- XEN Sahiwal Link shall also be responsible for the breach through escape channel at the both side bank of the River Ravi to save the structures of the River.
- XEN Sahiwal shall br responsible of bund protection activities of River Ravi

XII. WAPDA-POWER SUPPLY SERVICES

The Superintending Engineer, WAPDA, Sahiwal shall be the incharge of these services, assisted by his XENs in the districts.

❖ Functions

- He shall make lighting arrangements on the bunds for night patrol and protection activities.
- He shall also ensure orderly and regular power supply throughout the district in disaster emergency.
- He shall also establish emergency control room with telephone and mobile staff and shall work round the clock.

XIII. DISTRICT COUNCIL SERVICES

Chief Officer will be the incharge of these services within its respective area.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- They shall keep the dewatering set in working condition.
- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.
- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The District Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The District Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.
-

XIV. MUNICIPAL CORPORATION SERVICES

Chief Officer will be the incharge of these services within District Sahiwal.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- The Chief Officer MC, Sahiwal shall establish one flood emergency center at following points:
Fire Brigade center High Street Sahiwal.
- They shall keep the dewatering set in working condition.
- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.

- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The Municipal Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The Municipal Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.

XV. MUNICIPAL COMMITTEES SERVICES

Chief Officers shall be the incharge of these services within their respective tehsils.

❖ Functions

- Establish emergency flood center of their organization with staff working round the clock.
- They shall keep the dewatering set in working condition.
- Drain stagnant water from low lying areas.
- Provide food and other basic necessities.
- They shall conduct survey of dangerous buildings.
- They shall further desilt the sewerage and open drains to help the drainage of flood and rain water from the affected area.
- The Municipal Officer (I&S) shall provide potable water in affected areas and in relief camps.
- The Municipal Officer (I&S) shall keep in hand adequate stores of spare parts, etc. for repair of necessary machinery and equipments.
- He shall also ensure that adequate supplies are available for chlorination of drinking water.

XVI. ARMY SERVICES

The ADC (R) shall be the Liaison Offices of Civil Administration for liaison with the Army. The 2 Corps AOR Brigade shall nominate Liaison Officer for liaison with the Civil Administration. If help of the Army is required, they shall assist in rescue and evacuation operations, as also provide transport and communication facilities and assist the Irrigation authorities in bund protection.

XVII. XEN HIGHWAYSS

He will depute staff at important bridges and roads for maintenance.

He will arrange machinery for reapiir of breaches in roads for provision of relief and during evacuation,

He will arrange desilting in culverts and water ways on provincial and district roads

XVIII. DISTRICT NAZIR

District Nazir to keep account of expenditure of field operations during emergency and to cater to funds authorised by DDMA.

BREACHING SECTION OF HEAD MARALA WORKS

As per notification of Irrigation Deptment, Govt. of Punjab dated 15-07-2017, the SOP for breaching section and all instructions from Federal Flood Commission, the following procedure will be followed;

1. Maintenance and operation of breaching section at Head Marala shall rest with Irrigation Department i.e. XEN Irrigation, Marala Division.
2. Breaching section will be operated on orders of following committee;
 - i. Deputy Commissioner, Sialkot (Convener)
 - ii. Deputy Commissioner, Gujrat or his representative (in a case area affected falls outside the district in which breaching section is located).
 - iii. Executive Engineer, Irrigation, Marala Division.
 - iv. Executive Engineer, Highway Division, Sialkot.
 - v. Rep. of Pakistan Army not below rank of Lt. Colonel.
3. The decision to operate a breaching section shall be taken by the committee keeping in view the technical advice of the Executive Engineer concerned of the Irrigation Department. In case of any difference of opinion among the members, the final decision shall rest with the Deputy Commissioner, Sialkot.
4. The District Police Officer of Sialkot and Gujrat will deploy sufficient force to clear 01 KM area from both sides of breaching section.
5. The Civil Defence team be deployed to keep people/traffic at safe distance from breaching section.
6. XEN Irrigation will keep 04 number of 4x4 trucks ready for transport of explosives.
7. The explosives will be procured by Irrigation Department and all necessary equipment for breaching section should be kept in stock well in advance.
8. AC Sialkot will keep close liason with officer incharge of 01 Engineer for logistic support and coordination in case of emergency.

ANNEX I: LIST OF VILLAGES LIKELY TO BE AFFECTED BY FLOOD.

Tehsil Sahiwal

Sr. No.	Name of Village	Population
1.	Miran Shah	2400
2.	Mullah Hamza	
3.	Longawali	
4.	Dad Baloch	5500
5.	Karam Baloch	
6.	Toot Wala	
7.	Chak Noor Shah	
8.	Karyal	
9.	Thatta Manak	
10.	Dadan	4350
11.	Ahmad Shah	
12.	Akbar Shah	4200
13.	Saidan Shah	
14.	Chak Musa Pur	2250
15.	Aurangabad	
16.	Qutab Shahana	5600
17.	Dulla Zareen	
18.	Bashera	
19.	Nathu Fatiana	
20.	Dad Wasli	
21.	Meher Shah	
22.	Bahawal Fatiana	6500
23.	Raja Dilla	
24.	Kahichi rehana	
25.	Arra Tullah	
26.	Murad Dillu	
27.	Noor Ke Kathia	
28.	Bela Budh Wala	
29.	Nama Saria	
30.	Nama Smoor	
31.	Nooram Sanpal	6700
32.	Mullah Kathia	
33.	Rang Shah	
34.	Tukra 25	
35.	Jewen Shah	
36.	Tukra 26	
37.	Shaboka	
38.	Rakh Mir Dad Maufi	
39.	Tulla Bhulla	
40.	Azmat Ke Kathia	
41.	Dadra	
42.	Jahan Saghla	
43.	Arazi Shahamand	

Tehsil Chichawatni

Sr#	Name of Village	Population
1	Tukra 26	7800
2	Doda Sahu	
3	Tukra 18	
4	Tibi Qasam	
5	Ahmad Bhagala	
6	Sher Khanana	
7	Kot Fazal	
8	Murad Ke Kathia	
9	Chak Bandi	
10	Bakkha	
11	Mauza Dad Fatiana	
12	Bunga Bahawal	
13	Khund Muhammad Mira	
14	18-B/7R	
15	Bunga Shahamand	
16	Kotla Jinaram	
17	Nawab Katia	
18	Khair Katia	
19	Dharaman Shawa	
20	Jhalar Dina Tulla	
21	Hashim Chakar Bub	
22	Dadu Ana	
23	Lal Kathia	
24	117/7DR	
25	118/7DR	
26	119/7DR	
27	121/7ER	
28	112/7ER	
29	Old Chichawatni	
30	Khachi Balloama	
31	Jhalar	
32	Muhammad Rehma	
33	Jhangle Sial	
34	18/C Tukra	

ANNEX III: IDENTIFIED SITES FOR DISPLACED PERSONS

RELIEF CAMP SITES-2020 TEHSIL, SAHIWAL

Sr#	NAME OF SECTOR	NAME OF SUB SECTOR	NAME OF RELIEF CAMP	ALTERNATIVE LOCATION	NAME OF SECTOR OFFICER	STAFF ON DUTY
1	58-A/GD	--	Govt. Boys Higher Secondary School	--	Rana Naveed Ahmad, R.O, Muhammad Pur 03004088434	Ali Buhadar Kanoongo Bashir Ahmed Patwari
2	Muhammad Pur	--	Govt. High School,	--	Rana Naveed Ahmad, R.O, Muhammad Pur 03004088434	Ali Buhadar Kanoongo
3	Noor Shah	--	Govt. Boys Secondary School	--	Tariq Sharif , NT/RO, 0300.6920511	Aslam Sahu Kanoongo
4	103.7R, Harappa	--	Govt. Boys Higher Secondary School	--	Rai. M. Yaseen NT/RO 03008470154	Shahbaz Ahmad Khan Kanungo
5	Meer Dad Maufi	--	Govt. High School Meer Dad Maufi	--	Rai. M. Yaseen NT/RO 03008470154	Shahbaz Ahmad Khan Kanungo

RELIEF CAMP SITES -2019 OF TEHSIL, CHICHAWATNI

Sr. No	NAME OF SECTOR	NAME OF SUB SECTOR	NAME OF RELIF CAMPS	ALTERNATIVE RELIEF CAMP	SECTOR OFFICER	STAFF ON DUTY
1	Tibba Noor Pur, Purani Chichawatni	--	Govt. Boys High School,	--	Ghulam Hurr Awan Tehsildar 03012514110	M. Ashraf Patwari
2	Shamas Pura Chichawatni	--	Govt. Girls Elementary School-5	--	Ghulam Hurr Awan Tehsildar 03012514110	M. Ashraf Patwari
3	Sheikh Tayyab	--	Govt. Boys High School	--	Malik Riaz Ahmad, Incharge Kanungo, Chichawatni	03008690564
4	Murad Ke Kathiya	--	Govt. Boys High School	--	Muhammad Arshad Nasim Rana, NT/RO, Dad Fatiana	3007831530
5	108/7-R	--	Govt. Primary School 108/7R	--	M. Irshad Girdawar 03007835870	Akhtar Javed Anjum Patwari
6	119/7DR	--	Govt. Girls Elementary School	--	Eahsan ul Haq, NT/RO 03009695312	Waheed Akhtar Patwri

ANNEX IV: LIST OF HEALTH FACILITIES AND THEIR VULNERABILITY TO HAZARDS

S#	Health Facility Name	Location	GPS Coordinates	Health Facility Type (CD, BHU, RHC, THQ, DHQ)	Functional/ Non-Functional	Prone to Hazard? Floods/Earthquake
1	RHC	Noor Shah	X: 30.83 Y: 78.19	RHC	Functional	Floods
2	BHU	Muhammad Pur	X: 30.70 Y: 73.01	BHU	Functional	Floods
3	BHU	58/GD	X: 30.63 Y: 72.86	BHU	Functional	Floods
4	RHC	Harappa City	X: 23.18 Y: 73.99	RHC	Functional	Floods
5	RHC	Mirdad Muafi	X: 30.67 Y: 72.92	RHC	Functional	Floods
6	BHU	112/7ER	X: 30.55 Y: 72.67	BHU	Functional	Floods
7	BHU	GGES Shams Pura old Chichawatni	X: 30.53 Y: 72.69	BHU	Functional	Floods
8	BHU	GBPS 107/7-R	X: 30.61 Y: 72.77	BHU	Functional	Floods
9	BHU	GPS 108/7-R	X: 30.59 Y: 72.75	BHU	Functional	Floods
10	BHU	GGES 119/7-DR	X: 30.55 Y: 72.52	BHU	Functional	Floods
11	BHU	GMS 120/7-ER	X: 30.67 Y: 73.08	BHU	Functional	Floods

ANNEX V: LIST OF VULNERABLE GOVERNMENT SCHOOLS

S#	School Name	Primary/ Middle/ High	EMIS	Functional/ Non- Functional	Enrolment	Incharge Name	Contact Number
1	GHS Dadra Bala Sahiwal	High	--	Functional	418	Ghulam Mustafa	0300-3007908
2	GHS Murad K Kathia Sahiwal	High	--	Functional	236	Muhammad Amin	0345-7428221
3	GPS Ahmad Baghela CCI	Primary	--	Functional	97	Altaf	0301-7320530
4	GPS Dadra Zareen Sahiwal	Primary	--	Functional	114	Abdul Ghafoor	0303-7800835
5	GES Tulla Bhulla Sahiwal	Middle	--	Functional	175	Asif Mehmood	0301-6905197
6	GPS Nooran Sanpal Sahiwal	Primary	--	Functional	64	Ghulam Hussain	0321-6921569
7	GGPs Nooran Sanpal Sahiwal	Primary	--	Functional	63	Fouzia Sardar	0345-7425820
8	GPS 26 Tukra	Primary	--	Functional	119	M. Manzoor	0300-5049910
9	GPS Nathoo Dad Wasli Sahiwal	Primary	--	Functional	59	M. Shahid	0301-4454837
10	GPS Koray Shah Zareen Sahiwal	Primary	--	Functional	200	M. Irfran	0300-6936831
11	GGPS Moray Shah Zareen Swl	Primary	--	Functional	201	Shahida Nazir	0300-6690998
12	GPS Outab Shahana	Primary	--	Functional	91	Shafqat Ali	0300-7997097
13	GPS Dolla Zareen Sahiwal	Primary	--	Functional	59	Ashrfa Ali	0347-6989295
14	GES Ara Tullah	Middle	--	Functional	232	M. Asif Qayyum	0346-7456046

ANNEX VII: LIST OF NGO WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Contact Person Name	Contact Person Mobile
1	Community Development Council	Local	Al-Falah Building, 180-Ghalla Mandi, Sahiwal	Women Welfare	Ch. Asif Nawaz	0300-6905505
2	Insan Dost Association	Provincial	House # 24, St # 1, Niaza Colony, Arif Road, Sahiwal	Child Education Bonded Labor Legal Aid	Anjum Raza Mattu	0300-9692790
3	Bahu Welfare Foundation Al-Sadiq Memorial Free Medical Complex	Local	Nai Abadi Near Madina Masjid, Sahiwal	Health	Muhammad Nadeem Sultani	0300-9692796 0301-6921842
4	Rahimia Welfare Society	Local	Link Fateh Sher Road, Sahiwal	Health Child Welfare Women Welfare	Dr. Sarfraz Ahmad	0345-2228999
5	Anjuman Islamia Nangal Ambia	Local	92-E-Scheme # 2, Farid Town, Sahiwal	Child Welfare	Haji Muhammad Bashir	0322-7061206 040-4277700
6	Association of Masses to act and lead	Local	Sarwat Medicare, Nai Abadi, Sahiwal	Child Welfare	Dr. Syed Mazhar Hussain	0321-6905151
7	Public Welfare Society	Local	Chak No.152/9-L Kot Hussan Abad 120/9-L Kameer, Sahiwal	Women Welfare	Jaffer Bhatti	0344-7302714
8	Al-Hamad Women Welfare Association,	Local	House # 67, Municipal Housing Society, Sahiwal.	Women Welfare	Irshad Ali Tabasum	0300-4628873
9	Al-Noor Welfare Organization	Local	Chak # 70/5-L, P.O same, Sahiwal	Women Welfare	Syed Sajjad Haider	0346-7480629
10	Aman Welfare Foundation	Local	Near HBL Bank, Jinah Educational Complex building Rana Town, 120/9-L, Sahiwal	Child Welfare	Sabir Shehzad	0300-7241380
11	All Pakistan Women Association	Local	Goal Chakar, Sahiwal	Women Welfare	Mrs. Farhat Kamiana	0345-4215761

12	Insaniyat Welfare Organization	Local	Sabir Colony, Old Harrapa Road, near TTC College, Sahiwal	Women Welfare	Shahid Imran	0300-6922075
13	Noor Welfare Foundation	Local	House # 60, Abubakkar Block, Shadab Town, Sahiwal	Health Education	Mushtaq Ali	300-6913686
14	Qutbia Women Welfare Foundation	Local	Chak # 97/9-L, Adda 8-KM, Pak Pattan Road, Sahiwal	Women Welfare	Malik Muhammad Sadiq Dhakku	0343-7856811
15	Rah-e-Haq Welfare Foundation	Local	Nazim Town, GT Road, Sahiwal	Philanthropy	Ch. Sagheer Anjum	0321-6919656
16	Social Welfare Society	Local	92/6-R Sahiwal	Women Welfare Youth Welfare	Malik Ahsan Munir	0321-6902244
17	SWAB Welfare Society	Local	146-B-I Muslimabad, Sahiwa	Women Welfare	Ch. Sahid Nawaz	0321-6925158
18	Anjuman-e-Behbood-e-Khawateen	Local	27-Y, Scheem No. 3, Farid Town, Sahiwal	Women Welfare	Zahida Mukhtar	040-4553541
19	Soech Welfare Organization	Local	786-A Canal View Opp. Tariq Bin Ziad Colony, Sahiwal	Health	Miss Nabila Khan (MPA)	0301-6902912
20	Social Development Organization	Local	Ada Chak # 89/6-R, Sahiwal	Health Philanthropy	Ghulam Mujtaba	0300-6923942
21	Women Welfare Association	Local	Chak # 91/6-R, Sahiwal	Women Welfare Child Welfare	Zarina Sattar Ramay	0302-7453023
22	Ali Garh Welfare Society	Local	Chak No. 89/6-R, Sahiwal	Women Welfare	Haider Ali Saleemi	0300-6936289
23	Abadat Welfare Society	Local	35-Umer Block, Shadab Town, Sahiwal	Education Health	Dr. Javed Nadeem Joyia	0301-6923564

ANNEX VIII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

Sr#	Name	Department	Designation	Telephone Number		Mobile No.
				Office	Residence	
1	Ahsan Waheed	Revenue	Commissioner	9200491	9200499	03040920056
2	Zeeshan Javaid	Revenue	Deputy Commiossioner	9200060	9200064	03040920086
3	Hamayoun Bashir Tarid	Police	RPO, Sahiwal	9200011	9200080	0333-9200443
4	Asad Raza Kazmi	Revenue	Addl.Dy. Comm. (Rev)	9200078	---	03004114445
5	Ameer Taimoor Khan	Police	District Police Officer	9200051-52	9200052	03076777759
6	Dr. Khalid Abdullah	Rescuee	DEO- 1122	9200106		0335-1101122
7	Farooq Akmal	Revenue	Addl.Dy.Comm (Gen)	040-9200069		03338556999
8	Mr.Farooq Sadiq	Finance	Addl.Comm. (F&P)	040-9200075		03337622087
9	Sufyan Dilawar	Revenue	Assistant Commissioner	9200110	--	
10	Qasim Mahboob	Revenue	A.C. Chichawatni	5480033	--	03216805963
11	Ghulam Hurr Awan	Revenue	Tehsildar - Sahiwal	--	--	03012514110
12	Ghulam Hurr Awan	Revenue	Tehsildar Chichawatni	--	--	03012514110
13	Dr. Azhar Abbas Naqvi	Health	CEO, Sahiwal	9200383	--	03006930779
14	Zulfiqar Ali Tabbasam	Building	Executive Engineer	9200234	--	03447202000
15	Yasir Munir	Irrigation	Exec. Engi. LBDC	9200222	--	03214747499
16	Azmat Ali Khan	WAPDA	XEN(OP) 1 st Swl	9200308	--	03076547799
17	Arif Ali	Forest	RFO, Sahiwal	9200177	--	03026932460
18	M. Ahmad Sahiwal	MC	Chief Officer, MC	9200135	--	03009692883
19		MC	Chief Officer, MC			
20		MC	Chief Officer, Kameer			
21	M. Farooq Javed	Irrigation	Director Agri.Ext.	4400198	--	03447234637

ANNEX IX: LIST OF VOLUNTEERS/RESCUE MUHAFIZ

S. #	Reg. No.	Name	CNIC	Address	Cell	Blood Group
1		Mehmood Ali Khan S/O Muhammad Saleem Khan	36502-6042787-7			
2		Khalid Mehmood S/O Muhammad Yaqoob	36502-3559915-9			
3		Rana Sajid Hussain S/O Muhammad Sadiq	36502-0435467-7			
4		Haji Nazir Ahmed S/O Muhammad Ali	36502-1393991-1			
5		Jemus Masih S/O Malki Masih	36502-9423168-3			
6		Shah Zaib Sajid S/O Khalid Mahmood	36502-3496753-1			
7		Saeed Ahmed S/O Sufi Aman Ullah	36502-1371787-1			
8		Rana Sajjad Hussain S/O Muhammad Hussain	36502-7485797-5			
9		Muhammad Yasin S/O Sufi Aman Ullah	36502-5475900-3			
10		Hamed Hussain S/O Muhammad Amin	36502-1344968-5			
11		Muhammad Latif S/O Muhammad Adrees	36502-0394507-5			
12		Muhammad Naser S/O Muhammad Rafique	36502-1362975-1			
13		Allah Rakha S/O Nawab Din	36502-3543290-9			
14		Muhammad Ramzan S/O Mearaj Din	36502-6456396-1			
15		Muhammad Asghar S/O Nazir Ahmed	36502-7277035-1			
16		Muhammad Arshad Fareedi S/O Ibrahim	36502-7489041-1			
17		Jahangeer Ali S/O Sakandar Ali	36502-5114473-1			
18		Subha Sadiq S/O Muhammad Ali	36502-0666348-9			
19		Muhammad Kashif S/O Khadum Hussain	36502-2103431-7			
20		Faisal Javeed S/O Muhammad Javeed	36502-5841682-3			
21		Allah Rakha S/O Sher Muhammad	36502-2659484-1			
22		Maliq Barkat Ali S/O Rahmat Ali	36502-1371131-5			
23		Abdul Maliq S/O Hagi Raiz Ahmad	36502-0853679-1			

24	Abdul Wahid S/O Muhammad Sadiq	36502-1352332-9			
25	Naamat Ali S/O Allah Ditta	36502-1261560-3			
26	Rana Ahmed Bilal S/O Muhammad Ishtiaq	36502-5744043-1			
27	Muhammad Ramzan S/O Shah Muhammad	36502-1827132-5			
28	Muhammad Shahid Mughal S/O Ali Muhammad	36502-1618628-9			
29	Muhammad Nadeem Asif S/O Abdul Hafeez Shad	36502-9581232-1			
30	M.Arslan S/O M.Tahir Shaheen	36502-0222344-5			
31	Sajad Hussain S/O Naik Muhammad	36501-5471492-7			
32	Nazir Ahmed S/O Bashir Ahmed	36501-6302676-1			
33	Altaf Hussain Shah S/O Hafiz Abdul Aziz	36501-1883755-5			
34	Abid Ali S/O Liqat Ali	36501-9323939-6			
35	Habib-ur- Rahman S/O Abdul Ghani	36501-3832001-1			
36	Babar Azeem S/O Muhammad Anwar	36501-4966568-7			
37	Manzoor Hussain S/o Noor Muhammad	36501-1017803-9			
38	Basheer Ahmad S/O Ghulam Muhammad	36501-5517084-1			
39	Muhammad Hussain S/O Muhammad Tufail	36501-4747849-7			
40	Maqbool ahmed S/O Abdul Hai	42201-4358012-7			
41	Usman Israr S/O Muhammad Israr	36501-2168795-5			
42	Muhammad Nadeem S/O Noor Ahmed	36501-6233664-7			
43	Ferhan Hussain S/O Muhammad Hussain	36501-0354006-5			
44	Hafiz Ali Adnan S/O Asrar Ahmad	36501-5985144-9			
45	Muhammad Salim Rehmani S/O Walyat Ali	36501-6106290-1			
46	M.Afzal S/o M.Anwar	36501-5332328-9			
47	Saeed Ahmed S/O Muhammad Sadique	36501-7229568-5			
48	Muhammad Ramzan S/O Muhammad Shafi	36501-1916176-9			
49	Muhammad Aslam S/O Pir Bakhash	36501-1887631-5			

50	Nazir Ahmed S/O Bagh Ali	36501-9686786-9		
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ANNEX X: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA-147	Pirzada Syed Imran Ahmad Shah	NIL	0321-8290127	PP-196	Peer Khizar Hayat Shah Ghagha	Nil	0300-9697800
NA-148	Ch. Muhammad Ashraf	NIL	0300-6920028	PP-197	Malik Nadeem Kamran	Nil	0300-8691234
NA-149	Rai. Murtaza Iqbal	NIL	0334-6423028	PP-198	Malik Muhammad Arshad	Nil	0321-8691888
				PP-199	Muhammad Naveed Aslam Lodhi	Nil	0300-9452037
				PP-200	Rana Riaz Ahmad	Nil	0301-6931500
				PP-201	Pir Smasan Ali Bukhari	Minister for Information Punjab	0321-4771717
				PP-203	Malik M. Numan Iqbal Langriyal	Minister for Agriculture	0336-0000230

ANNEX XI: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: _____

Date: _____

S#	Name	Father Name	CNIC	Address	Revenue Estate	Union Council	Tehsil	Partially/Completely	Katcha/Pakka	%age of Damage	Contact No.	GPS Coordinates	Picture Taken (Y/N)
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P2: Deceased Person Reporting Performa

District: _____

Date: _____

S#	Name of deceased	Father's name	Address	Domicile	Gender	Age	CNIC	Cause of death	Date of death	Place of death	Marital status	Next of kins (Name and Contact and CNIC etc.)	Verifying Officer (Name, Designation and Contact)	Compensation Paid or not
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P3: Injurd Person Reposrting Performa

District: _____

Date: _____

S#	Name of injured	Father's name	Address	Domicile	Gender	Age	CNIC	Cause of injury	Date of injury	Injury Type (Permanent or Temporary)	Compensation Paid or not
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P4: Cattle Head Perished

District: _____

Date: _____

S#	Name of Farmer	Father Name	CNIC	Mauza	Tehsil	Type of Animals	Number of Animals (Cow, sheep etc.)	Vaccinated/ Unvaccinated	Witness 1 name and contact No.	Witness 2 Name and Contact No.
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P5: Crop Damages

District: _____

Date: _____

S#	Tehsil	Qanoongoi	Union Council	Mauza	Farmer Name	Land owner/Tenant	CNIC of farmer	Contact number	Type of Crops	Total land affected (acres)	% of mauza affected
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P6: Relief Distribution Tracking Performa

District: _____

Date: _____

S#	Location/ Destination	Arrival Date and time	Items	Quantity	Items short (if any)	Items sent by	Driver name	Received by	Bilty no
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P7: Private Machinery (Boats, Bulldozers, cranes etc.)

In case of mega disaster that overwhelms the resources of the Government in certain area, the equipment of private owners are engaged to continue with evacuation, rescue or relief services. The following template is filled to maintain a record of boat owners that might be engaged at the time of a disaster.

District: _____

Date: _____

S#	Name of boat owner	Father name	Contact Number	Age	CNIC	Location of boat/Machinery	Type of Machinery (Boat, Bulldozers, Cranes etc.)	Engine type	Boat capacity	Equipment Condition	Number of Machinery
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P8: Relief camp registration Performa

New entrants in the relief camps should be documented on a weekly basis by utilizing the following template:

District: _____

Date: _____

S#	Nationality	Domicile	Male	Female	Age	Children Under 12	Infants under 3	Sick	Injured	Pregnant
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P9:NGOs registration performa

All the Non-Governmental Organizations operating in the disaster affected areas should register themselves at PDMA's website. The following template has been developed for NGOs assisting the Government in disaster response.

District: _____

Date: _____

S#	Name of NGO	Local /INGO	Relief activity	Relief camp if any	Focal person in the district	Registered with PDMA	Foreigners to be visiting or not.
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P10: Control Room

PDMA requires all districts to setup a control room at the incidence of a disaster. This control room would plan and execute a well-knit Governmental disaster response by bringing together all representatives of the various Governmental departments. This control room would be operational around the clock and PDMA must be informed about its operation and in-charge by filling the following template:

District: _____

Focal Person: _____

Date: _____

S#	Location of control room	Shift I Incharge Name and Contact	Shift II Incharge Name and Contact	Shift III Incharge Name and Contact	Phone Numbers	Fax Numbers	E- Mail Address
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ANNEX XII: CAMP MANAGEMENT SoPs

- Camps would be established in areas accessible by metalled roads so that provision of essential facilities is not difficult
- Basic facilities such as food, clean drinking water, health, hygiene and sanitation should be available at these shelters.
- Proper registration mechanism should be in place to differentiate between those actually affected and cunning opportunists
- Proper security system should be in place in coordination with the local police as the presence of police always acts as deterrence for criminals who may be attracted to such places.
- Emergency medical care should be available as well as a proper firefighting system as fire out breaks are common in such tents
- Proper camp management should be announced and notified and there should be a complaint cell as well
- A proper distribution mechanism should be in place to ensure that the needy get what they deserve.
- Scattered camps should be catered for and encouraged to join the main camp.
- At times shallow hand pumps are not safe for drinking as the water underground has been affected. In such cases clean medicated water should be provided through water bowsers.
- Vector control is an essential part of the camp management and steps should be taken to remove rats, snakes and mosquitoes etc.
- Un-accompanied and missing children shall be placed separately with proper care and fulfilment of their physical and psycho-social needs.
- Needs of women as per local and cultural environment shall be considered for establishing separate relief camps for ladies with provision of proper security and light arrangements.

Land	3.0-4.5 square meter per person
Shelter	3.5 square meter per person
Water	15-20 liters per person per day
Food	2100 kcal per person per day
Toilet	One per family of 6-10 persons
Health Centre	One per 20,000 persons
Child Friendly Spaces	2-4 year olds- 15 children:2 facilitators
	5-9 year olds-20 children : 2 facilitators
	10-18 year olds- 30 children :2 facilitators
Hospital	One for as many as 200,000 persons

ANNEX XIII: RIVER DISCHARGE RATES

1. Major Nullahs/River

i. River Ravi

2. Major Bunds

3. Flood Levels

River/ Nullah	Maximum Capacity (Cs)	Classification of flood limits (Cs)		
		Low	High	Very High
River Ravi	1,80,000	65,000	90,000	1,35,000

4. Maximum Water Discharges in Recent Past

Sr#	Name of Nullahs / River	Maximum Capacity (Cs)	Highest Discharge	Discharge 2013	Discharge 2014	Discharge 2017	Discharge 2018
1	River Ravi	1,00,000	34900	97970	118000	36790	37680

ANNEX XIV: RIVER DISCHARGE RATES

River	Gauge Site	Designed Capacity (lac Cs)	Flood Limits in Lac Cs.				Exp. High
			Low	Med:	High	Very High	
INDUS	Kalabagh	9.5	2.5	3.75	5	6.5	8
	Chashma	10	2.5	3.75	5	6.5	8
	Taunsa	10	2.5	3.75	5	6.5	8
JHELUM	Kohala	12	1	1.5	2	3	4
CHENAB	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
	Marala	11	1	1.5	2	4	6
	Khanki	8	1	1.5	2	4	6
	Qadirabad	9	1	1.5	2	4	6
	Trimmu	6.45	1.5	2	3	4.5	6
RAVI	Punjnad	7	1.5	2	3	4.5	6
	Jassar	2.75	0.5	0.75	1	1.5	2
	Ravi Syphon	4	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
SUTLEJ	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam Mailsi Syphon	3	0.5	0.8	1.2	1.75	2.25
		4	0.75	1.1	1.5	2.25	3

A

ANNEX XIV: LIST OF BASIC TERMS

Acceptable risk

The level of loss a society or community considers it can live with and for which it does not need to invest in mitigation

Biological hazard

Biological vectors, micro-organisms, toxins and bioactive substances, which may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation.

Capacity

A combination of all the strengths and resources available within a community, society or organization that can reduce the level of risk, or the effects of a disaster.

Capacity may include physical, institutional, social or economic means as well as skilled personnel or collective attributes such as leadership and management. Capacity may also be described as capability.

Capacity building

Efforts aimed to develop human skills or societal infrastructure within a community or organization needed to reduce the level of risk. In extended understanding, capacity building also includes development of institutional, financial, political and other resources, at different levels of the society.

Climate change

The climate of a place or region is changed if over an extended period (typically decades or longer) there is a statistically significant change in measurements of either the mean temperature or variability of the climate for that region.

Coping capacity

The means by which people or organizations use available resources and abilities to face a disaster. In general, this involves managing resources, both in normal times as well as during crises or adverse conditions.

Disaster

A serious disruption of the functioning of a community or society causing widespread human, material, economic or environmental losses which exceed the ability of the affected community or society to cope using its own resources. It results from the combination of hazards, conditions of vulnerability and insufficient capacity to reduce the potential negative consequences of risk.

Disaster risk management (DRM)

The comprehensive approach to reduce the adverse impacts of a disaster. DRM encompasses all actions taken before, during, and after the disasters. It includes activities on mitigation, preparedness, emergency response, recovery, rehabilitation, and reconstruction.

Disaster risk reduction/disaster reduction

The measures aimed to minimize vulnerabilities and disaster risks throughout a society, to avoid (prevention) or to limit (mitigation and preparedness) the adverse impacts of hazards, within the broad context of sustainable development.

Early warning

The provision of timely and effective information, through identified institutions, to communities and individuals so that they could take action to reduce their risks and prepare for effective response.

Emergency management

The management and deployment of resources for dealing with all aspects of emergencies, in particularly preparedness, response and rehabilitation

Forecast

Estimate of the occurrence of a future event (UNESCO, WMO). This term is used with different meanings in different disciplines.

Geological hazard

Natural earth processes that may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation. For example earthquakes, tsunamis, volcanic activity and emissions, landslides, rockslides, rock falls or avalanches, surface collapses, expansive soils and debris or mud flows.

ANNEX XIII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

SR:#	NAME OF DIVISION	NAME OF EMBANKMENT / BUND	LENGTH (ft)
SARGODHA ZONE			
1	Rasul Head works Division	Right Guide Bund	2,121
2	-do-	Left Guide Bund	3,360
3	-do-	Right Guide Spur	2,762
4	-do-	Left Marginal Bund	17,170
Total in feet.			25,413
Total in Miles.			4.81
PMO BARRAGES			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
Total in feet.			25,080
Total in Miles.			4.75
FAISALABAD DIVISION			
1	Khanki Division	Left Marginal Bund	21,000
2	-do-	Right Marginal Bund	29,000
3	Jhang Division	Jhang Flood Protection Bund	43,875
4	Qadirabad Barrage Division	Left Marginal Bund	20,000
5	-do-	Right Marginal Bund	20,000
Total in feet.			133,875
Total in Miles.			25.36
BAHAWALPUR ZONE			
1	Punjnad Head works Division	Right Marginal Bund	15,000
2	-do-	Left Marginal Bund	15,000
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	10,000
Total in feet.			55,000
Total in Miles.			10.42
MULTAN ZONE.			
1	Trimmu Division	Right Marginal Bund	20,000
2	-do-	Left Marginal Bund	20,000
3	Sulemanki Division	Left Marginal Bund	10,000
4	-do-	Right Marginal Bund	10,000
5	Shuja Canal Division	Right Bank of Shujabad Branch	10,000
6	-do-	Akbar Flood Bund	10,000
Total in feet.			80,000
Total in Miles.			15.15
D.G.KHAN ZONE			
1	Taunsa Barrage	Right Guide Bund Upstream	15,000
2	-do-	Left Guide Bund	20,000
3	-do-	Shahwala Groyne	10,000
4	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	50,000
5	-do-	Doaba Flood Bund.	5,000
6	-do-	Khangarh Flood Bund	5,000
7	-do-	Khanwah Flood Bund	5,000
8	Jampur Construction Division	Jampur Flood Bund	5,000
9	-do-	Rojhan Flood Bund	20,000
Total in feet.			1,35,000
Total in miles			25.57

LBDC(IP)			
1	Balloki Head works Division	Left Marginal Bund	15,000
2	do	Right Marginal Bund	15,000
Total in Feet			30,000
Total in miles			6
LAHORE ZONE			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	10,000
2	do	Rayya flood Bund	5,000
3	Pasrur Link Division Sialkot	City Flood Protection Bund along Aik Nullah	7,340
4	do	Hajoipur Flood Protection Bund along Aik Nullah	86,00
5	do	Left Flood Protection Bund over deg Nullah from defence embankment to Zafarwala Kingra road	10,000
6	Marala Division UCC	Left Marginal Bund	50,000
7	do	Right Marginal Bund	10,000
8	Lahore Drainage Div.	Shahdara Flood Protection Bund	15,000
Total in Feet			115,940
Total in miles			22
Grand total in miles			114

INFORMATION REGARDING FLOOD BUND CATEGORY B

S#	Name of Division	Name of Embankment / Bund	Length (ft.)
SARGODHA ZONE			
1	Rasul Headworks Division	Important / Vulnerable Reaches	10,000
2	Bhakkar Division	-do-	10,000
3	Layyah Division	-do-	10,000
4	Jhelum Division	-do-	5,000
Total in feet.			35,000
Total in miles			6.63
FAISALABAD ZONE			
1	Khani Division	-do-	20,000
2	Jhang Division	-do-	50,000
3	Qadirabad Barrage Division	-do-	60,000
4	Burala Division	-do-	35,000
Total in feet.			165,000
Total in miles			31.25
BAHAWALPUR ZONE			
1	Punjad Headworks Division	-do-	90,000
2	Khanpur Canal Division	-do-	100,000
3	Bahawalpur Canal Division	-do-	50,000
4	Rahimyar Canal Division	-do-	50,000
Total in feet.			290,000
Total in miles			54.92

MULTAN ZONE

1	Trimmu Division	-do-	80,000
2	Suleimanki Division	-do-	50,000
3	Shujabad Canal Division	-do-	60,000
	Total in feet.		190,000
	Total in miles		35.98

D.G.KHAN ZONE

1	Taunsa Barrage	-do-	80,000
2	Kot Adu Canal Division	-do-	90,000
3	Muzaffargarh Canal Division	-do-	180,000
4	River Diversion Division	-do-	80,000
5	Jampur Construction Division	-do-	140,000
6	D.G.Khan Construction Division	-do-	60,000
	Total in feet.		630,000
	Total in miles		119.32

LBDC (IP)

1	Balloki Headworks Division	-do-	40,000
2	Okara Division	-do-	40,000
3	Sahiwal Division	-do-	20,000
	Total in feet.		100,000
	Total in miles		18.94

LAHORE ZONE

1	Flood Bund Division Narowal	-do-	40,000
2	Pasrur Link Division Sialkot	-do-	10,000
3	Chakbandi Division	-do-	20,000
4	Marala Division UCC	-do-	50,000
5	Lahore Drainage Division	-do-	80,000
6	Kasur Division	-do-	80,000
7	Gujranwala UCC	-do-	100,000
8	Rachna Drainage	-do-	42,000
	Total in feet.		422,000
	Total in miles		79.92

PMO BARRAGES

1	Jinnah Barrage	-do-	20,000
	Total in feet.		20,000
	Total in miles		3.79

Grand Total (in miles) 350.76

No. _____/FRC/ADC(R)

Dated: ____/____/2020

A copy is forwarded for information and necessary action to:-

1. The Senior Member, Board of Revenue / Relief Commissioner, Punjab, Lahore.
2. The Secretary Local Government & Community Development Department, Lahore.
3. The Commissioner, Sahiwal Division, Sahiwal.
4. The Station Commander, Okara Cantt.
5. The Director General, PDMA, Board of Revenue, Punjab, Lahore.
6. The District Police Officer, Sahiwal.
7. All the Executive District Officers in District Sahiwal.
8. All the Assistant Commissioners in the District Sahiwal.
9. The Executive Engineer, LBDC, Sahiwal
10. The District Food Controller, Sahiwal
11. All the Chief Officers, Municipal Committees, in the District.
12. The District Officer Civil Defense Sahiwal.
13. The District Emergency Officer, Rescue 1122, Sahiwal.
14. The Assistant Director, Social Welfare, Sahiwal.
15. All concerned.

**Addl. Deputy Commissioner (Rev),
Sahiwal**