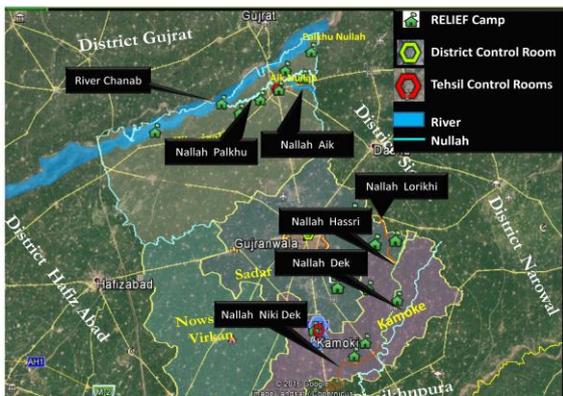


DISTRICT DISASTER MANAGEMENT PLAN 2021

Division: Gujranwala

District: Gujranwala



Relief Camp in District Gujranwala



Earthquake



Flood



Fire incident at Gujranwala

Prepared by: DDMC

Approved by: ADCR



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XX

Estimated number of people at risk of **hill torrent** in 2021



of total population

Risk: High

Flash Flood

Estimated number of people at risk of Floods in 2021



of total population

Risk: Medium

XX

Estimated number of people at risk of earthquake in 2021



of total population

Risk: Low

XX

Estimated number of people at risk of epidemic in 2021



of total population

Risk: Medium

EXECUTIVE SUMMARY

District Gujranwala is bounded on the north east by District Sialkot, on the eastern side is District Narowal. On the northern side, it is separated from District Gujrat by River Chenab. On the southern side, it shares its border with District Sheikhpura while District Hafizabad is in its west. Flood season in District Gujranwala is from Mid-June to Mid-October. District Gujranwala faced flood disasters in 1973, 1988, 1992, 1995, 1996, 2010 & 2014. City Gujranwala is flooded because of Higher surrounding areas and Lack of natural drainage.

Most Vulnerable Tehsils of District Gujranwala are:

- Wazirabad due to River Chinab, Nullah Aik and Pulkhu
- Kamoke due to Nullah Daik, Hassari and Lurikki

The local governments have a key role in identifying and understanding the hazards and risks that could impact on the safety and sustainability of their communities. At local level, DDMA, with keeping in view the detailed analysis of risks and vulnerabilities of the area. apping of capacities

AIM AND OBJECTIVES

The plan is aimed to manage emergencies by putting in place requisite mitigation measures and a well-coordinated and integrated response at district level.

The main objectives of the plan include:

- To develop a plan of action for the District Disaster Management Authority and other district stakeholders to set priorities and provide directions for disaster management;
- To define the roles of various stakeholders in disaster management in all the phases pre, during and after disaster;
- To raise awareness of stakeholders about disaster risks and the requirements for disaster management;
- To introduce coordination mechanism for immediate response and rehabilitation at district level;
- To enhance the effectiveness and timeliness of emergency response through the clarification of goals, strategies, roles and responsibilities;
- To strengthen response coordination between government departments and humanitarian organizations (UN agencies, I/NGOs);

DISTRICT PROFILE

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1.	Population	5.014 Million(Census 2017)
2.	No. of Tehsils	5
3.	No. of UCs	188
4.	No. of Revenue Estates	840
5.	Population Density (people per km ²)	1384
6.	Family Size	7.2
7.	Pop Growth Rate	1.9
8.	PCI	
9.	District GDP/Annual Income	
10.	Poverty Rate	31
11.	Patient/Doctor Ratio	1:130 (Per Day)
12.	AMR	7s
13.	IMR	69
14.	MMR	260
15.	Literacy Rate	79
16.	Global Acute Malnutrition (GAM) rate	
17.	Severe Acute Malnutrition (SAM) rate	
18.	Percentage of population having access to clean drinking water	30%
19.	Annual Crime	17180

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
5.014 Million	29779	25626	20073	19051	

Source/Note: Click here to enter text.

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks& Morter)
19811	1109	18702

Source/Note: Click here to enter text.

Area (in acres)

Total Area of District in Km ²	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
906352	778210	128192	

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
79%	75	61	80	72	77	66

Source/Note: Click here to enter text.

Government Schools

		Schools	Enrollment
Total/ Overall		1535	392324
Boys	Primary	376	93714
	Middle	118	36982
	High	122	75927
Girls	Primary	588	40724
	Middle	188	49167
	High	143	95810
Co-Education	Primary		
	Middle		
	High		
Special Education			

Private Schools

		Schools	Enrollment
Total/ Overall		5113	918080
Boys	Primary		
	Middle	1800	208863
	High	800	112465
Girls	Primary		
	Middle	1278	387889
	High	1235	208863
Co-Education	Primary		
	Middle		
	High		
Special Education			

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	62	7		19	10	
No of Students	37289					

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	172	3	1		176
Annual OPDs	3318034	1323549	2499672		37011255
No of beds	275	160	450		885
Doctors Available	200	108			308
Paramedical staff	1400	280			1680
Ambulances available		16			16
Mobile Medical Units	Nil				

Livestock: Small Animals (goats, sheep etc.): 683896 Big Animals (cows, buffalos, camel etc.) 771110

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

Agriculture	Livestock	Poultry	Fish Farming	Services (Public & Pvt)	Business	Expatriates	Industrial Labor	Skilled Labor	Unskilled Daily Labor	General Labor
75%	40%	20%	%	%	%	%	%	%	%	%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	No. of Revenue Estates affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	1973							
2	1988							
3	1992							
4	1995							

5	1996							
6	2010							
7	2014	47569		62	1145	15		15
8								
9								
10								
11								
12								

Disaster History – Other disasters (since 1970)

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

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	District Sialkot River Chanab and Nullah Palkhu fall in Gujranwala District from Sialkot District casued flooding in Tehsil Wazirabad District Narowal Nullah Dek originated from District Narowal and caused flooding in Tehsil Kamoke and surrounding Areas
Topographical Features	Plain, Mostly agriculture based
Weather/Climate pattern	e.g. max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. Max temp 45 c, min 0 c temperature observed,
Major Rivers	Name of river, passing through areas along with length in the district Major Barrages and their Flood levels Chanab, Passing through Tehsil Wazirabad with Legth 60 KM Major Barrages: Head works at Khanki and Qaderabad Flood Level: High Level Flood
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Flood levels Nullaha Dek,Palkhu,Hasri,Nullah Lorriki,Nullah Palkhu,Nullah Aik

Motorway/Highway	Vulnerable points of motorway/highway Grant Trunk Road in Wazirabad City to District Boundry Grant Trunk Road in Tehsil Kamoke
Railways	Vulnerable points of Railway Hari Pur Bund to Wazirabad Railway Junction Railway Station Kamoke and Sadhoke
Geological features	e.g. fault line, mountainous areas etc.

Dams (including small dams)

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

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/ vulnerable Points	GPS Location of Critical/ Vulnerable Points	Remarks
Hariपुर Wazirabad	5.03	Wazirabad			X: Y:	Overall condition is unsatisfactory
Leverī Wala Wazirabad	0.366	Wazirabad			X: Y:	
Left Marginal Bund Khanki	6.553	Wazirabad			X: Y:	Overall condition is unsatisfactory
Left Margin Bund Qadirabad	19.79	Wazirabad			X: Y:	Overall condition is unsatisfactory
Bye-Pas Protective BUNDS					X: Y:	
Flood Protection Bund Anata Minor					X: Y:	
Flood Protection Bund along Thatha Ghulab					X: Y:	
Flood Protection Bund Along Dandian Disty RD 45500-64000					X: Y:	

Breaching Section

Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
	X: Y:						
	X: Y:						
		X: Y:					

Power Houses/Grid Station/Oil Depot/other sensitive installations

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
132 KV Kamoke	132 KV	X: 426501 Y: 3536814	132 KV Their Snasi	132 KV	X: 423936 Y: 3553325
132 KV (GIS) Chianwali	132 KV	X: 425037 Y: 3544903	132 KV Lahore Road	132 KV	X: 423606 Y: 3551625
Nandi Pur	425MW	X: 32.242462 Y: 74.269327			X: Y:
132 KV Eminabad	132 KV	X:430501 Y: 3546711	132 Hafizabad Road 132KV Aroop 132 KV DC Colony 132 KV GHakhar 132 KV Wazirabad		
			132 KV Shiekhupura Industrial 132 KV (GIS) Sherawala Bagh 132 KV Pasrur Road GRW 132 KV College Road	132 kv	X: 409461 Y: 3521812

Airport / Landing Strips

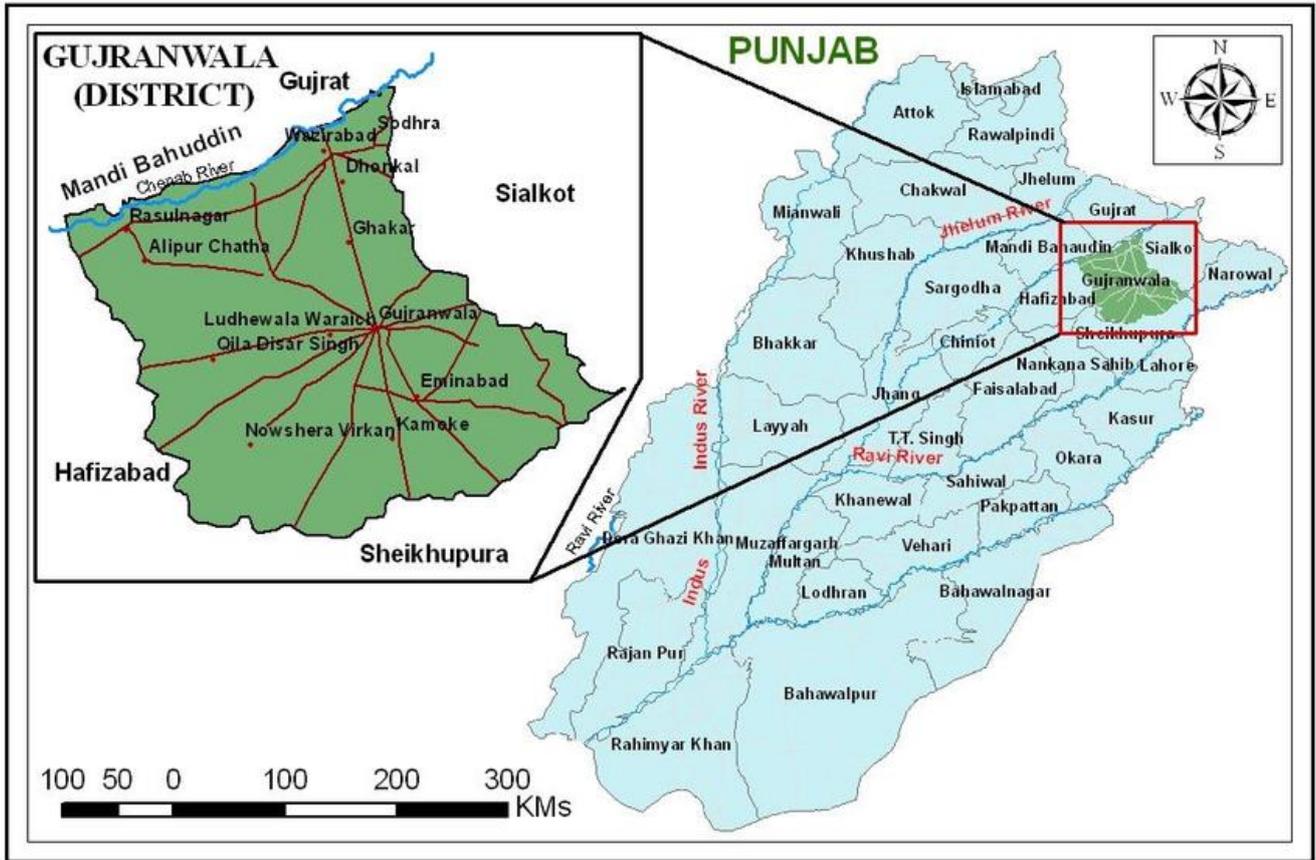
Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Chander Air Base	Jhalan	X: 32.077995 Y: 73.790283			X: Y:
		X: Y:			X: Y:
		X: Y:			X: Y:
		X:			X:

		Y:			Y:
--	--	----	--	--	----

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Nowhsera Virkan	20 Thousands metric Ton	X: 31 Y: 73			X: Y:
		X: Y:			X: Y:

District Map



Source:

Map of District Gujranwala

Legend

- Administrative Boundaries**
- District Boundary
 - Tehsil Boundary
 - Ganoongo Halqa Boundary
 - Patwar Circle Boundary
 - Mouza/Deh Boundary
 - Cantonment

- Transportation Network**
- Metalled Road
 - Railway Line

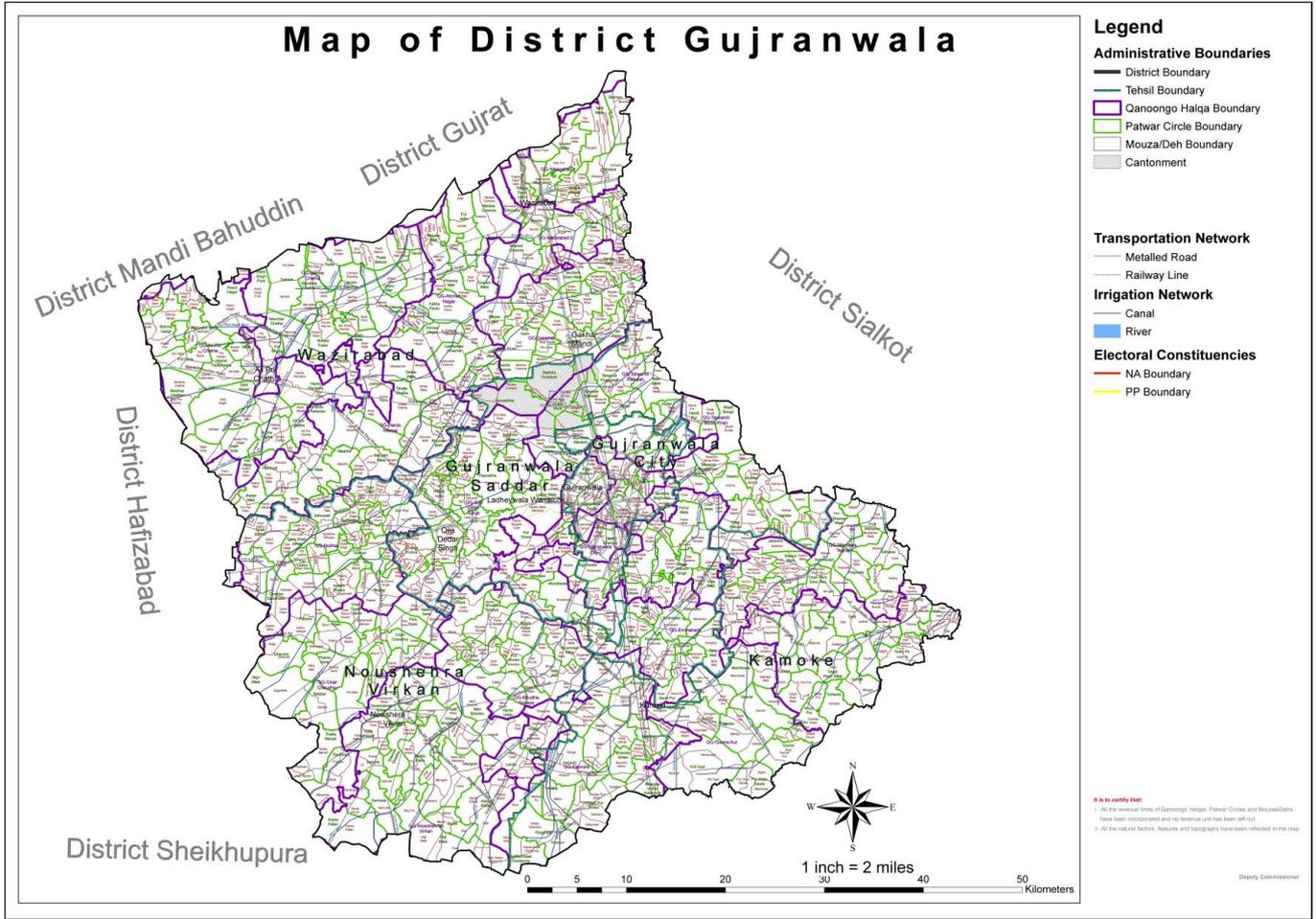
- Irrigation Network**
- Canal
 - River

- Electoral Constituencies**
- NA Boundary
 - PP Boundary

It is to certify that:

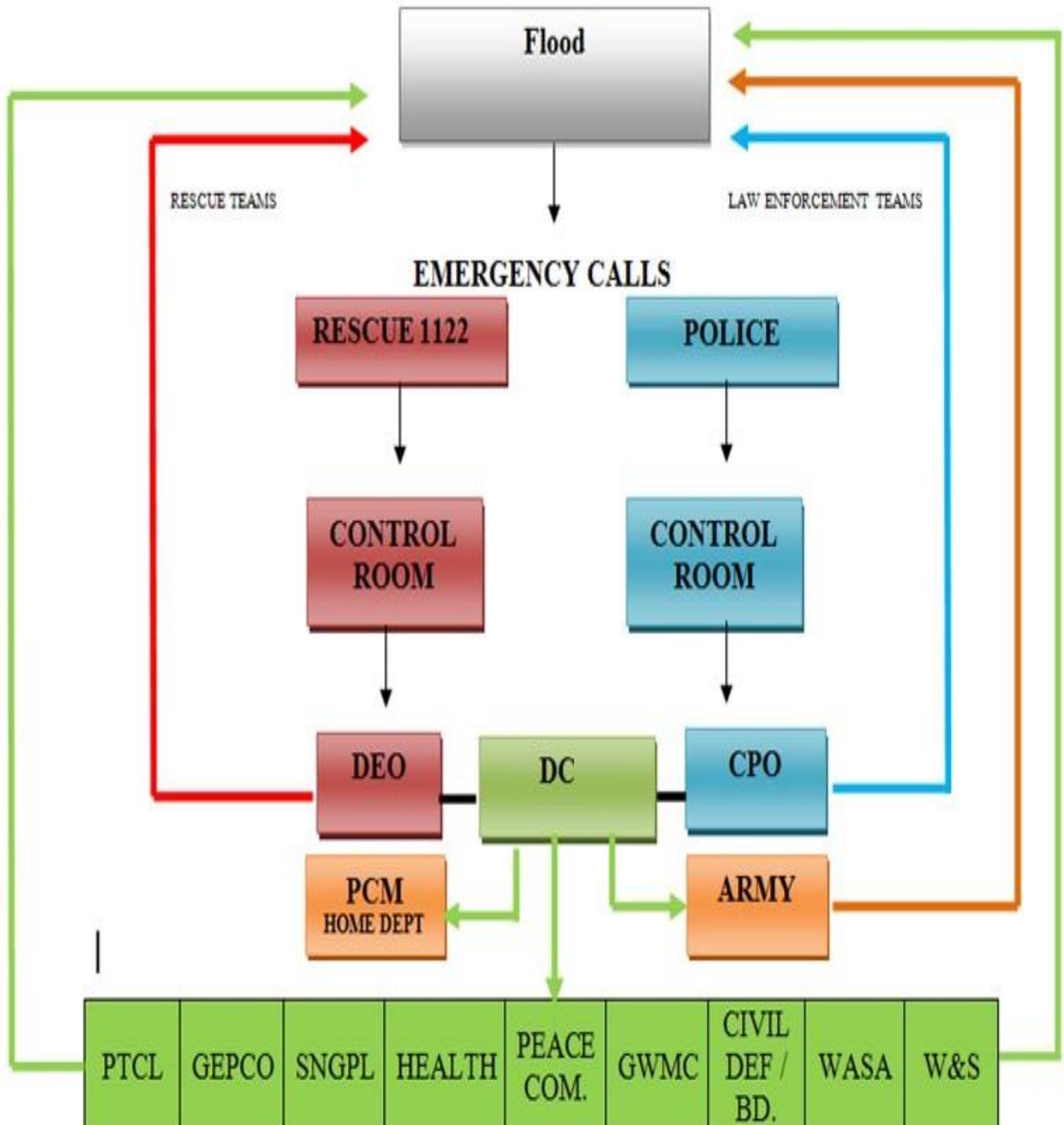
- All the revenue limits of Ganoong Halqa, Tehsil, Patwar Circle and Mouza/Deh have been investigated and no revenue unit has been left out.
- All the natural factors, features and topography have been reflected in the map.

Deputy Commissioner

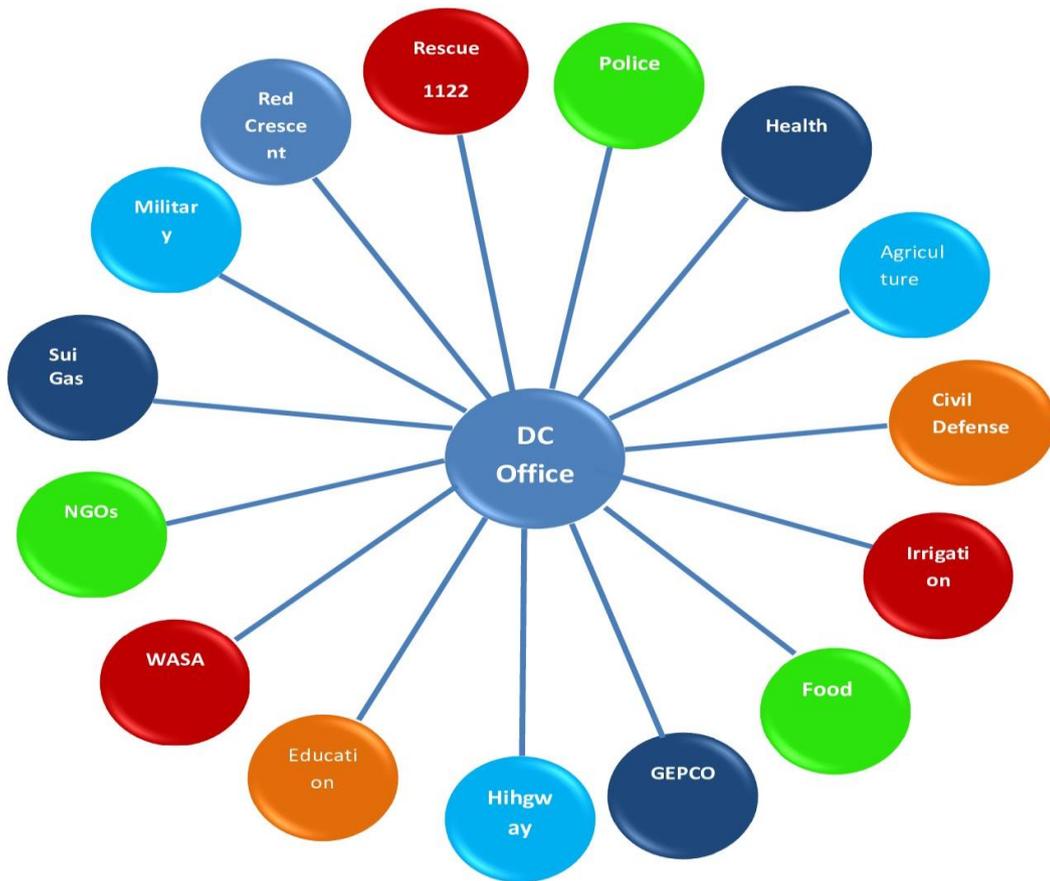


COORDINATION MECHANISM

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



COORDINATION ROLE



Powers and functions of District Disaster Management Authority under NDM Act 2010:

The District Authority shall be as the district planning, coordinating and implementing body for disaster management and take all measures for the purposes of disaster management in the district in accordance with the guidelines laid down by the National Authority and the Provincial Authority.

Without prejudice to the generality of the foregoing provisions, the District Authority may:

- a) prepare a disaster management plan including district response plan for the district;
- b) coordinate and monitor the implementation of the National Policy, Provincial Policy, National plan, Provincial Plan and District Plan;
- c) ensure that the areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the local authorities;
- d) ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and the Provincial Authority are followed by all departments of the Government at the district level and the local authorities in the district;
- e) give directions to different authorities at the district level and local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary;
- f) lay down guidelines for preparation of disaster management plans by the departments of the Government at the districts level and local authorities in the district;
- g) monitor the implementation of disaster management plans prepared by the departments of the Government at the district level;
- h) lay down guidelines to be followed by the departments of the Government at the district level;
- i) organize and coordinate specialized training programmes for different levels of officers, employees and voluntary rescue workers in the district;
- j) facilitate community training and awareness programmes for prevention of disaster or mitigation with the support of local authorities, governmental and non-governmental organizations;
- k) set up, maintain, review and upgrade the mechanism for early warnings and dissemination of proper information to public;
- l) prepare, review and update district level response plan and guidelines;
- m) coordinate with, and give guidelines to, local authorities in the district to ensure that pre-disaster and post-disaster management activities in the district are carried out promptly and effectively;
- n) review development plans prepared by the departments of the Government at the district level, statutory authorities or local authorities with a view to make necessary provisions therein for prevention of disaster or mitigation;
- o) identify buildings and places which could, in the event of disaster situation be used as relief centres or camps and make arrangements for water supply and sanitation in such buildings or places;
- p) establish stockpiles of relief and rescue materials or ensure preparedness to make such materials available at a short notice;
- q) provide information to the Provincial Authority relating to different aspects of disaster management;
- r) encourage the involvement of non-governmental organizations and voluntary social-welfare institutions working at the grass root level in the district for disaster management.
- s) ensure communication systems are in order and disaster management drills are carried out periodically; and
- t) perform such other functions as the Provincial Government or Provincial Authority may assign to it or as it deems necessary for disaster management in the district.

District Plan:

- a) There shall be a plan for disaster management for every district of the Province.
- b) The District Plan shall be prepared by the District Authority having regard to the National Plan and the Provincial Plan.

- c) The District Plan shall be reviewed and updated annually.

Additional Powers of District Authority:

For the purpose of assisting, protecting or providing relief to the community, in response to any disaster, the District Authority may:

- a) give directions for the release and use of resources available with any department of the Government and the local authority in the district;
- b) control and restrict vehicular traffic to, from and within, the vulnerable or affected areas;
- c) control and restrict entry of any person into, his movement within and departure from, a vulnerable or affected area;
- d) remove debris, conduct search and carry out rescue operations;
- e) provide shelter, food, drinking water and essential provisions, healthcare and services;
- f) establish emergency communication system in the affected area;
- g) make arrangements for the disposal of the unclaimed dead bodies;
- h) direct any department of the Government of the Province or any authority or body under the Government at the district level to take such measures as are necessary in its opinion;
- i) require experts and consultants in the relevant fields to advise and assist as it may deem necessary;
- j) procure exclusive preferential use of amenities from any authority or person;
- k) construct temporary bridges or other necessary structures and demolish structures which may be hazardous to public or aggravate the effects of the disaster;
- l) ensure that the non-governmental organizations carry out their activities in an equitable and non-discriminatory manner; and
- m) take such other steps as may be required or warranted to be taken in such a situation.

Revenue Department (Functions and Responsibilities)

In case of any disaster or calamity the head of the revenue department in the district i.e. the DC/DC should ensure that the following measures and steps have been taken:

- Taking everyone on board is perhaps the most important thing to do. Regular meetings of DDMA should be held to clearly highlight the roles and duties of DPOs, EDOs, XENs etc.
- Pre-flood meeting should be held and duties of all concerned officers and departments should be clearly defined and assigned.
- A district disaster management plan should be prepared using the set template and updated regarding any disaster or emergency that may strike the district.
- A focal person for the disaster or calamity should be nominated and his/her number should be communicated to all concerned departments.
- Proper stock taking should be done regarding available stocks of food and rations. Similarly stock regarding machinery and equipment should also be taken and inventories should be prepared. Out of order machinery should be repaired or replaced.
- Committees should be formed and constituted which will deal with various functions during a flood or emergency. Purchasing of food items, food, and machinery should all be done through committees.
- Identification of Low lying, medium and high vulnerability levels with flood level
- In case of evacuation the district administration should be very clear about the places where the relief camps or shelters will be established. Teams should be formulated which will look after these camps and will be in-charge for provision of tents, food, water and maintaining general law and order. Provision of cooked food is also to be ensured.
- Proper ware houses and stores should be made available for storing of aid and donated items that may be received from authorities such as PDMA, WFP etc. A committee should be constituted to look after the record of all the items in the store.
- Proper crop surveys or girdawaris should be conducted through the revenue officials so that crop damage assessment can be made after disaster or flood affects the district. These surveys will also help in determining the identity of the true owners as well.

- Post damage assessment should be carried out by joint teams constituted of patwaris, teachers, and agriculture field assistants. Technology should be involved and android sets should be used to gather accurate data.
- Round the clock active control rooms should be set up and the numbers be circulated to all concerned. The control rooms should be equipped with wireless, telephones and computers. All info gathered or received should be conveyed to the concerned. The control room should have representatives of concerned departments such as police, health, 1122, and revenue.
- Early warning is critical in saving lives. The local revenue officials along with local police should be deployed to warn the people against the oncoming disaster and to urge them to vacate the disaster prone areas and villages. Loudspeakers, mosque speakers and word of mouth should be used. Banners and posters can also be used.
- Data collection is of prime importance and the senior network administrator should be declared as the focal person for collection of relevant information such as number of casualties, damages to infrastructure, injured, perished livestock etc. for onward submission to PDMA etc.
- Mock exercises should be carried out along with all concerned departments specially 1122, Police, civil defence and Pakistan army regarding the action plan during any emergency or flood. This will give a fair idea about the preparedness of the district.
- Availability of vehicles should be ensured for use during any emergency especially off road vehicles like jeeps.
- Suitable locations should be identified for accommodating armed forces like the Pakistan army. Normally schools, colleges or stadiums are allocated for the armed forces

Checklist for Revenue Department:

- Survey of entire District (Preparation of Village level information by Patwari)
- Identification of Low lying, medium and high: vulnerability levels with flood level
- Liaison of Patwari with Numberdars of their respective villages
- Contacts of all revenue staff posted near river belts and their output in floodprone areas
- List of Numberdars with their contacts, volunteer from low lying settlements with contact numbers
- Prepare list of vulnerable villages and make an estimate of likely affected population in such villages in the event of flood
- Name and contact numbers of private boat owners and operators Announcement of Flood Warning at settlement level – Patwari responsible Forced evacuation with police
- Rapid assessment for relief goods and ration provision Coordination and reporting
- Carry out survey of entire flood affected areas to assess losses in collaboration with Agriculture, Livestock and Education Department
- Conduct crop damaged/ house damaged surveys

Metropolitan / Municipal Corporations

Municipal / Town Committees

- Local Bodies play an important role of providing municipal services in the district including clean drinking water, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Local Bodies will provide assistance to the District Administration for setting up and management of relief camps/ operations.
- Local Bodies are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- Local Bodies are equipped with trucks, water bowsers, tractors, dewatering sets, bulldozers, loaders and dump trucks. All of these equipment are utilized to restore proper sanitary facilities, ensure the delivery of clean water and remove debris or excess water.
- Local Bodies sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.

- Local Bodies employ de-watering sets to remove excess water. All Local Bodies are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The Local Bodies maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Local Bodies should ensure supply of clean drinking in overhead reservoirs and ensure supply to the affected areas or relief camps through water bowsers. Clean drinking water is a major issue and requirement during any disaster.
- In case of any disaster that requires people to be relocated, the Local Bodies under the concerned Administrator i.e Commissioner / DC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the Local Bodies manpower can be effectively used for the distribution of food and essential commodities among evacuated people or any other relief activity such as provision of cash compensation.

District Disaster Management Authority (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DC. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, Local Bodies and the Revenue Department form the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his/her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned AC and the Local Bodies.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers. Immediate action will be taken in each sector / sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Numbardar, Headmaster of the School, Imam Masjid and councillors to make announcements etc.
- The tactical operations would be headed by the Additional District Collector (ADC). The ADC would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
 - i. **Deputy Commissioner (Chairperson)**
 - ii. District Police Officer
 - iii. Additional Deputy Commissioner (Rev)
 - iv. Two Elected Representatives to be nominated by the Chair
 - v. Representative of Pak Army
 - vi. Two Representatives of NGOs/Civil Society to be nominated by the Chair
 - vii. Additional Deputy Commissioner (General)
 - viii. Additional Deputy Commissioner (F&P)
 - ix. XEN Buildings

- x. XEN Highways
- xi. Chief Executive Officer (DHA)
- xii. Chief Executive Officer (DEA)
- xiii. SP Special Branch
- xiv. XEN Irrigation / Public Health
- xv. District officer Civil Defense
- xvi. Administrators of Tehsil Councils / Municipal Corporations
- xvii. All Chief Officers of Local Bodies in District
- xviii. District Emergency Officer, Rescue 1122 (Secretary)
- xix. Representative of Red Crescent
- xx. Such other District level Officers to be appointed by District Administration

- District Administrations must establish a Disaster / Flood control room at the DC's office, the numbers of which will be circulated to all concerned. The Disaster / Flood Control Room has to maintain updated information regarding the threat of disaster and statistics post disaster. The center will maintain a regular communication with the Flood Forecasting Division or the dam authorities up stream in case of a flood.
- The District Administration would immediately mobilize the equipment needed to tackle the challenges created by a disaster. The District Administrations will provide a comprehensive list of flood fighting equipment to PDMA as part of their flood contingency plans.
- Executive District Officer (Health) will ensure the availability of adequate medicines for treatment of common issues, particularly for snake and dog bite cases and general vaccines at each relief camp.
- DO (Agriculture) and DO Livestock would arrange fodder and feed supplement for livestock and animals displaced.
- District Regional Transport Authorities (DRTA) in all 36 districts of Punjab are managed by Secretaries who would coordinate with local transporters to arrange for arranging transport required for evacuation of people from affected areas. In case of shortfall in transport in a particular district, the adjoining district would mobilize the transporters in his district to assist with the evacuation of people.

Role of Rescue 1122 in districts during disaster

- The immediate evacuation of people from the disaster prone and vulnerable areas.
- Provision of immediate medical aid during any emergency and at the same time transporting the injured or sick to the nearby hospital through their team of ambulances.
- In flood situations rescuing people from drowning in the strong currents is a specialty of 1122 as it has its own set of divers and boats. Similarly in case of collapsed buildings or structures the 1122 is equipped with heavy machinery to cut through heavy debris.
- Apart from that responsible deployment of fire fighters, cordoning of hazardous areas, provision of first aid and medical treatment, immediate search and rescue of victims and management of the pre-hospital emergency system.
- Rescue 1122 is well trained in setting up medical camps for provision of emergency medical treatment. These camps are setup by Rescue 1122's doctors and paramedic staff.

Pre-disaster Check list for DDMA

- Meeting of DDMA held
- Identification of vulnerable areas
- Identification of Safe places
- Preparation of contingency plan
- Bunds and encroachments visited

-
- Sites identified for relief camps Evacuation routes/plan
 - Safe custody of Government records and essential equipment and their shifting to safer areas on receipt of flood warning
 - Enlistment of department wise available resources
 - Preparation of list of required relief goods/ items
 - Involvement of Volunteers, NGOs and other CSOs
 - Designation of Focal Person
 - Preparation of District vulnerability map with varying degrees of floods
 - Evacuation well in time from vulnerable areas
 - Establishment of Camps – All services under one roof
 - Flood warning and weather forecast: Loudspeakers announcements
 - Establishment of control rooms
 - Cancellation of all type of leaves of all employees Designation of Focal Persons
 - Assignment of duties and responsibilities of all officers for flood emergency
 - Preparation of Telephone Directories with the cell numbers of all the members of DDMA's and volunteers
 - No leave during flood days; No official will leave station

Disaster Emergency Control Room (functions and responsibilities)

District Disaster Emergency Control Room
DC Offie Gujranwala
Phone No. 92000827

Keep update the information regarding disasters
Regular recording of flood position in River and Nullahs
Coordinate with all departments
Generate allerts to the quarter concerneds

Checklist for Control Room:

- Dedicated Staff as per magnitude of the disaster
- Duty roaster of the staff
- 2 Dedicated telephone lines
- Dedicated Fax
- Wireless
- Internet and Email or any other source of communication
- Power backup

Checklist for Relief Camp Incharge:

- List of staff displayed with name and department teams will work in shifts
- Presence of representatives of all service providers i.e. Health, livestock, Rescue 1122, Civil Defence etc.
- No movement without the permission of Centre Incharge
- Each shift in-charge to contact District Control Room on arrival and then on departure
- In-charge will keep close liaison with SHO of the respective area
- No of affectees in camp (sick, aged and children) shall be communicated daily
- Availability of at least one emergency vehicle at center be ensured
- Keep record of private boat owners and their contacts details
- List of Doctors and private hospital in the vicinity
- List and contact of philanthropists in the vicinity
- Keeping record of donations coming directly to Centre and report the same to Tehsil and District Incharge.
- Centre Incharge shall ensure vaccination of animals and humans against Communicable diseases
- List of missing persons must be displayed at all Relief Camps

Role of Health Department

The public sector health delivery system comprises of four tiers and as such will continue to provide services at these four tiers during and after any disaster:

Outreach and Community Based Activities, which focus on immunization, sanitation, malaria control, maternal and child health, and family planning. Primary care facilities include BHUs, RHCs. THQs and DHQs provide inpatient and outpatient care. Tertiary care hospitals located in the major cities for more specialized care.

In case of any disaster or calamity the health department will ensure that the following measures are in place;

- To provide first aid to the injured people and arrange evacuation of patients for further assistance.
- Medical camps and mobile health teams should be arranged for prevention and control of communicable diseases, immunization and provision of essential drugs.
- Health department would make a roster of all medical officers and paramedics that would be deployed to these camps and teams.
- Drugs and other medical equipment should be available at all these camps and with mobile teams. The medicine should be for relevant flood related issues, **particularly Anti-snake venom, Anti-rabies.**
- The shelters or relief camps established by the district administration should have medical centers with ambulances and special facilities for women and children.
- An emergency control room will be established in the office of Directorate General Health Services and a representative of this emergency control room would be designated to PDMA's control room.
- A list of essential medicines would be prepared by the Health department and it would ensure that medicines and other resources are present in sufficient stocks in hospitals in disaster hit areas.
- Medical colleges may be involved to create Emergency Response teams
- Health department would also coordinate with international organizations such as WHO and UNICEF.
- Extensive disease surveillances in the disaster hit areas should be carried out warnings if needed be issued through the Disease Early Warning System.

-
- Medical teams and paramedic staff should be mobilized and deployed for rapid assessment and quick response in the affected areas.
 - A contingency plan will be prepared and submitted regarding preparedness for any disaster or calamity.
 - The National Disaster Management Authority has designated WHO as the key organization that will fill the gaps in the supply of medicines, rapid diagnostic kits, and vaccinations etc.
 - The department would employ female health workers in emergency areas specially, for spreading awareness regarding health risks in a disaster and for any vaccination or immunization programme that may be needed during any emergency.
 - A Health and Nutrition Cluster for overall management and oversight of Health department's disaster response would be formed at the Directorate General Health office.
 - In case the medicine stocks or even the infrastructure is damaged due to floods, the department would draw up a plan for early recovery of health infrastructure and service delivery.

Civil-Military Coordination Mechanism

Whenever required, Army is called to help the Civil Administration in relief operations of evacuation of Disaster victims in coordination with the District Administration. They are also to assist the Irrigation Department in bund protection and to carry out breaches as and when decided by the authorised committee. 19 Independent Armoured Brigade will be the executing wing from the army side.

Volunteer Network

Registered Vounteers : 50

Complete data of volunteers has been collected from AC's,Redcrescent,Civil Defence,Rescue 1122

District Secretary acting/DDMC will activate them

Dstrcit Disaster Emergency Control Room will coordinate with them

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	2	3	
Urban Flooding	2	1	
Flash Floods	0	0	
Hill Torrent	0	9	
Glacial Lake Outburst Flood (GLOF)	0	0	
Landslide	0	0	
Tornado	1	1	
Earthquake	4	1	
Drought	0	0	
Epidemic	2	1	
Fire Incidents			
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)			
Environmental Hazards (industrial accidents, severe pollution etc.)			

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

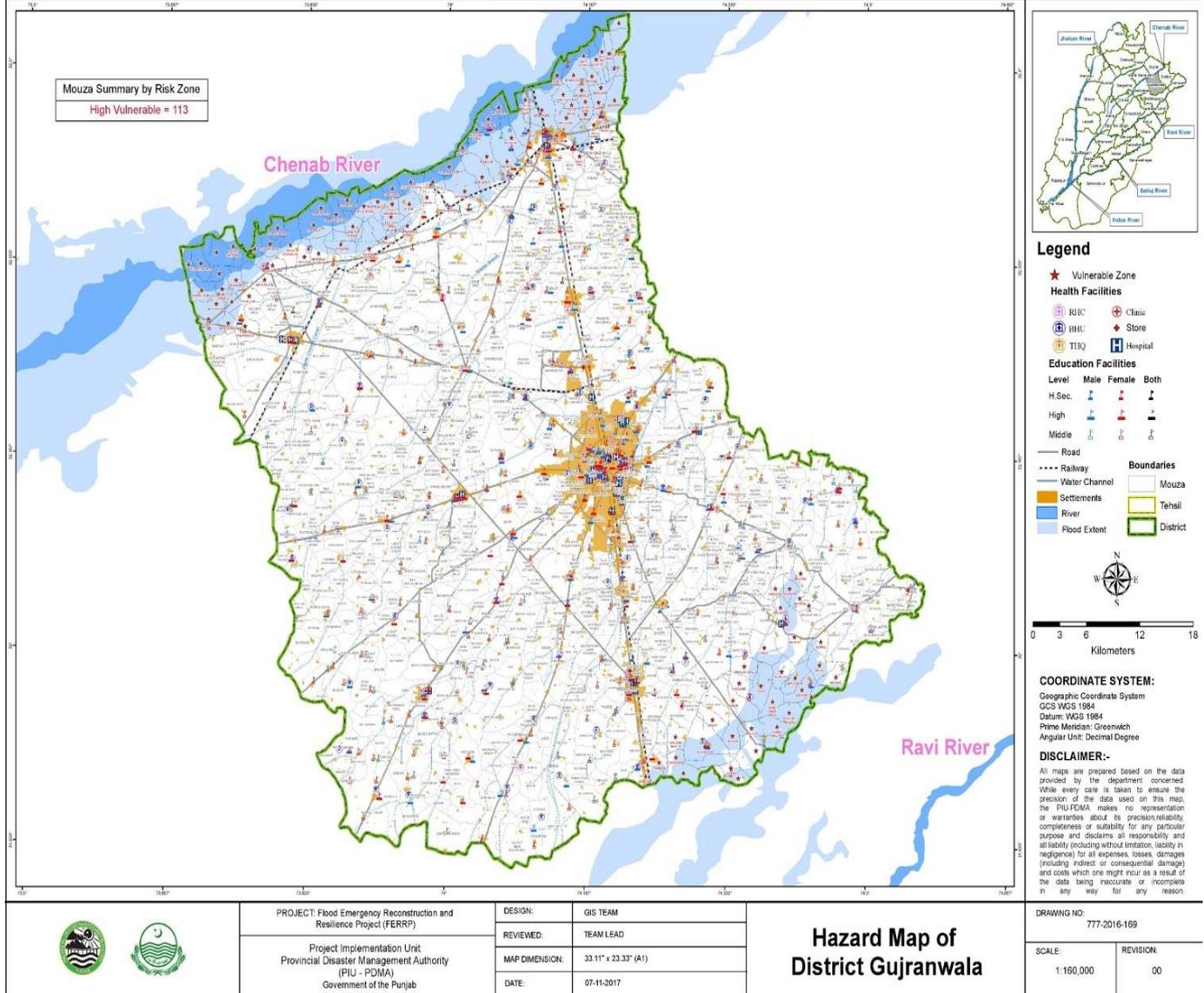
High : 15-25

2. Hazards

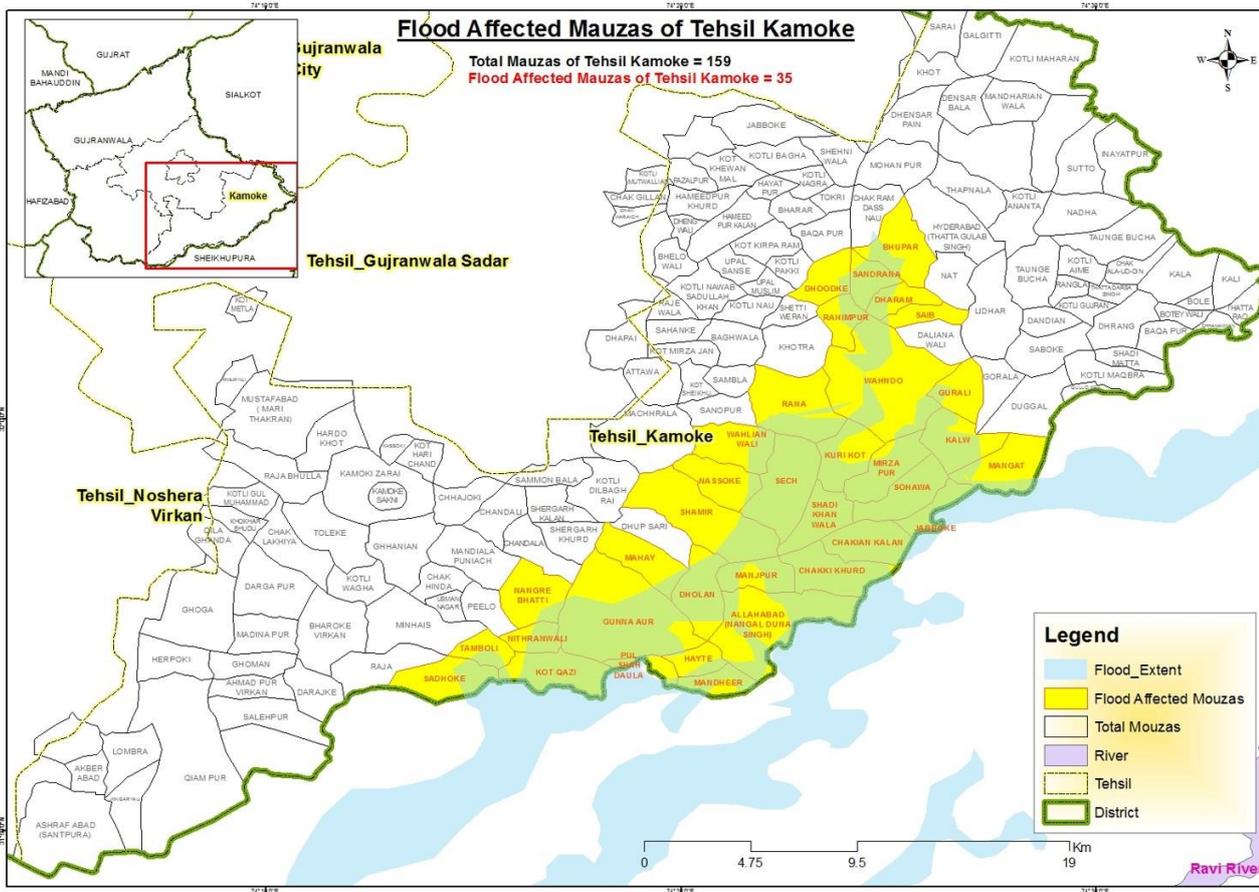
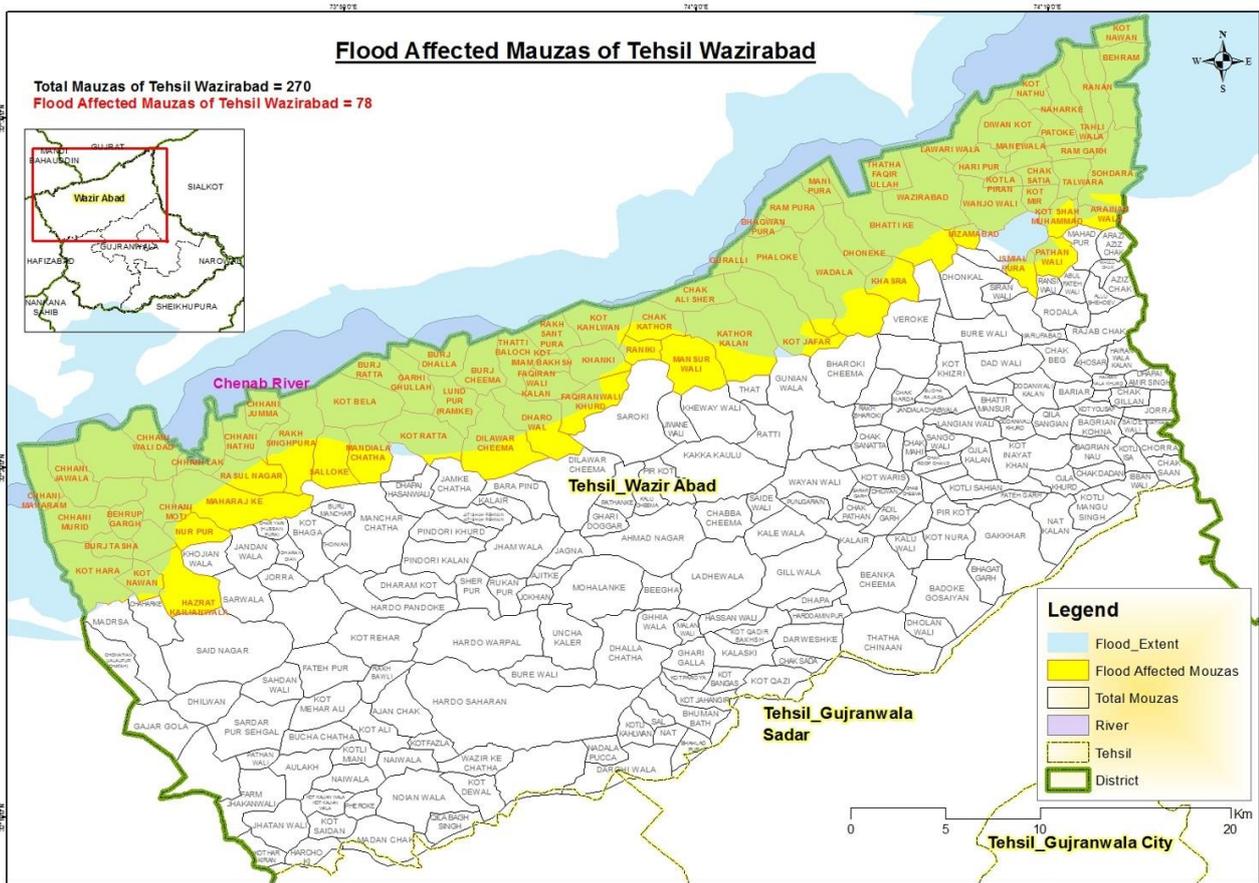
- ✓ Gujranwala District had to face the disaster of floods many times in the past particularly in 1973, 1988, 1992, 1995, 1996 and lastly in 2014. In 1992, 2010 the flood caused enormous damages to the life and property as the discharge of water in River Chenab was exceptionally high and was measured at 910552 Cs and 948529 Cs at Khanki and Qadirabad respectively.
- ✓ The following table reflecting the flood situation demands attention. Last year during flood season Nullah Dek received high water causing flooding of number of villages
- ✓
- ✓ RIVER CHENAB AT MARALA, KHANKI AND QADIRABAD.
- ✓ Alert position (Low Flood) 1,00,000 Cs to 1,50,000 Cs
- ✓ (Medium Flood) 1,50,000 Cs to 2,00,000 Cs
- ✓ Danger (High Flood) 4,00,000 Cs to 6,00,000 Cs
- ✓ Impact (Very High Flood) 6,00,000 Cs to above
- ✓
- ✓ DEK NULLAH (AT QILLA SUBA SINGH)
- ✓
- ✓ Alert position Low Flood Upto 4,000 Cs
- ✓ Alert position Medium Flood from 4,000 Cs to 10,000 Cs
- ✓ Danger High Flood over 10,000 Cs
- ✓ Impact (Exceptionally High Flood) More than 20,000 Cs
- ✓ REACTION TIME
- ✓ During high flood the Chenab River water takes approximately 7/8 hours to reach Head Khanki from Marala. However, the boundary of District Gujranwala is nearer to Marala Headworks so the reaction time in which a flood wave enters the district is very short being approximately 3/4 hours.
- ✓ VULNERABLE POINTS
- ✓ Villages in Sohdra are most vulnerable to the rising water in River Chenab. At about 4 Lac Cs discharge, the river over flows its banks and inundates the lands around the villages. Similarly rise in the level of Nullah Pulkhu causes its overflow. In the Wazirabad and Khanki Sectors main damage to caused by the overflowing of Nullah Pulkhu. Whenever water level rises in river Chenab the entry of Nullah Pulkhu water into the river is blocked causing back flow of the Nullah water which inundates the villages.

Combined affect of overflowing River Chenab and Nullah Pulkhu / Nullah Aik causes damages to important road links. In case of Sohdra Sector the villages like Rana, Behram, Kot Nawan etc. are cut off from main line due to flushing away of the road connecting them with Sohdra. Last year attempts have been made to protect this road by constructing culvert, stone pitching and raising road level above the highest flood level experienced before. The people residing in the vulnerable villages have constructed their houses at a higher place and have to be motivated to leave their abodes in case of fresh flood.

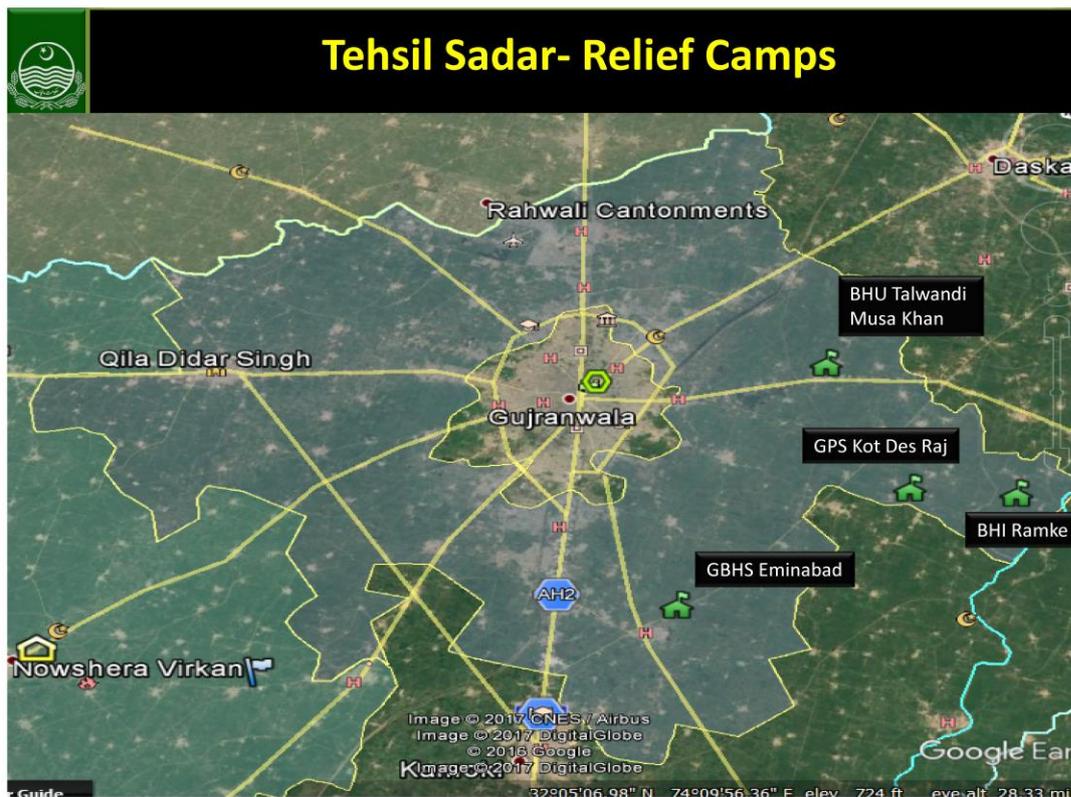
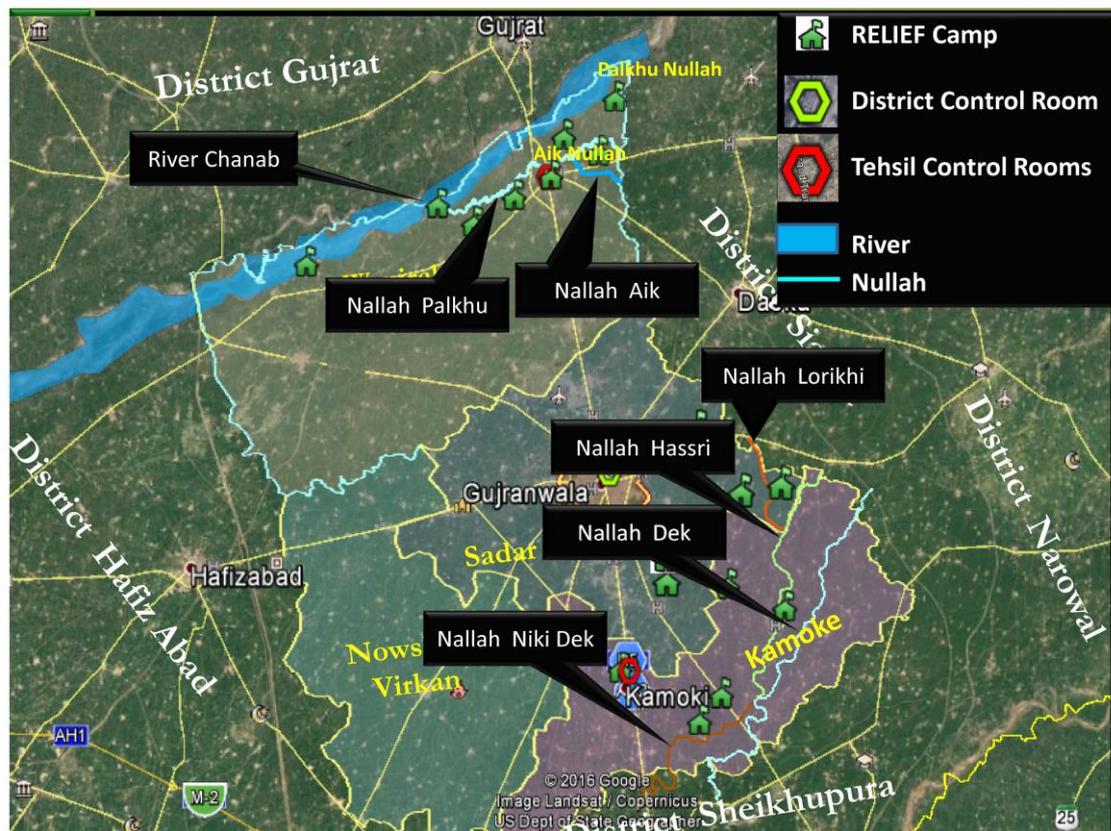
District detail map with vulnerable points including (Rivers, Nullahs, Hill Torrents, Wheat Gowdowns, hazards, planned camps, health facilities, warehouses) etc.

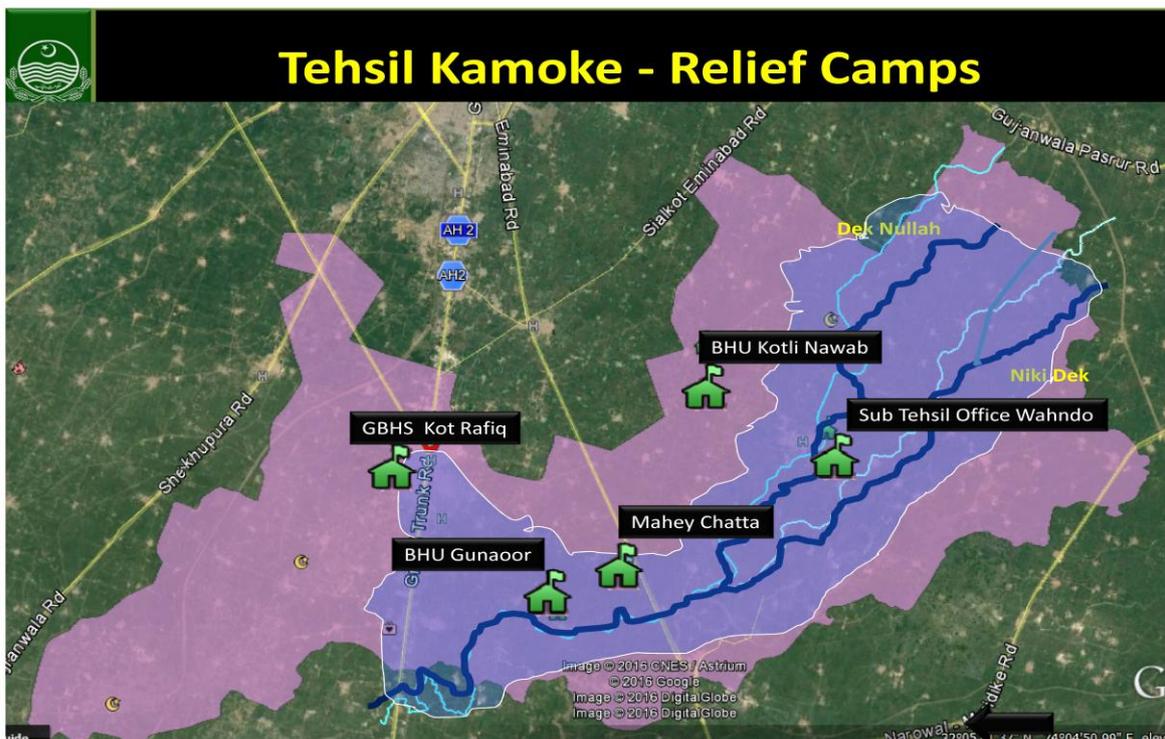


Source:



SSSSSS





3. Response & Operational Capacity

Briefly describe the existing response capacities in District (including government and NGO partners)

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	32	31	1	
OBM	31	31		
De-watering sets	72			
Navigators				
GIS devices				
Life Jackets	430	430		
Life Ring	187	187		
Life Lines	20	20		
Scuba diving suit with complete accessories	8	8		
First Aid Kits	50			
Rescue Bag				
Safety Harnesses	10			
Ambulances	26			
Fire Brigade	13			
Water Tanks / Bouzers	2			
Extendable Ladders				
Hydraulic Cutter				
Sonar Rader				
Jumping Sheet				
Dumpers				
Excavators				
Cranes				
Bulldozer				
Boat Carrier/Trolleys	2	2	0	
Pickups/Jeeps/4x4 vehicles/Mini Trucks	1			
Searchlight	19	19		
Tent	996			
Mosquito Net	268			
Plastic Mat	226			
Blanket				
Any other main relief/rescue equipment				
Generator Sets	15	15		
Gas-Cutters				
Sonar Radars				
Scuba Diving Set	8			
Navigator/GPS Tracker	3	3		
Hydraulic Cutter	2			
Floating Rope				
Sucker Machine	15			
Excavators				
Tractor	32			
Ropes	20			
Trolleys	14			
OARS	80			
Boat Carier	2			

5.Gaps and Constraints

- *Briefly outline the capacity gaps in the provision of rescue and response;*
- *Describe major obstacles to providing humanitarian assistance (security, access constraints, administrative obstacles, logistics, etc.)*

MITIGATION STRATEGY

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

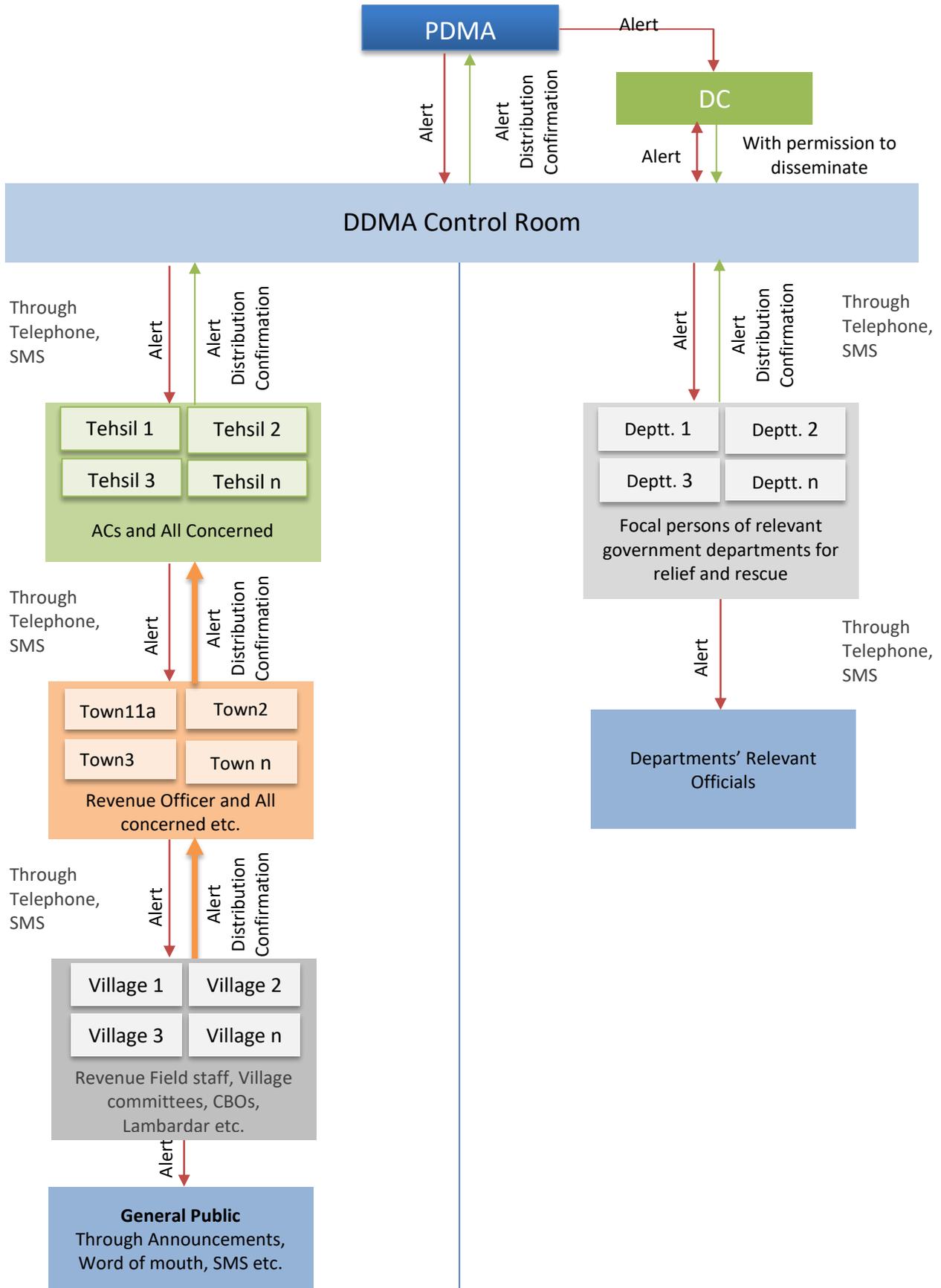
Hazards	Mitigate Actions	Responsible Department
Floods	1. Dams must be constructed 2. Desilting of all small and big water channels 3. Forest + Plantation at River /Canal/Rain Drain embankment 4. Strengthening of all embankments 5. Early Flood Warning System and displacement of people from endangered area before arrival of flood	Wapda Irrigatyion Forest A.C. concerned SDPO
Urban Flooding	. Dewatering Sets 2. Desilting of all Urban Drains 3. Pumping capacity of WASA must be increased	CO Metropolitan Corporation /Municipal Corporation/Municipal Committees/Town Committees/Tehsil Councils/ GWMC + WASA PDMA
Flash Floods		
Hill Torrent		
Glacial Lake Outburst Flood (GLOF)		
Landslide		

Tornado		
Earthquake		
Drought		
Epidemic		
Fire Incidents		
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)		

Environmental Hazards (industrial accidents, severe pollution etc.)		

EARLY WARNING

Information Flow Diagram

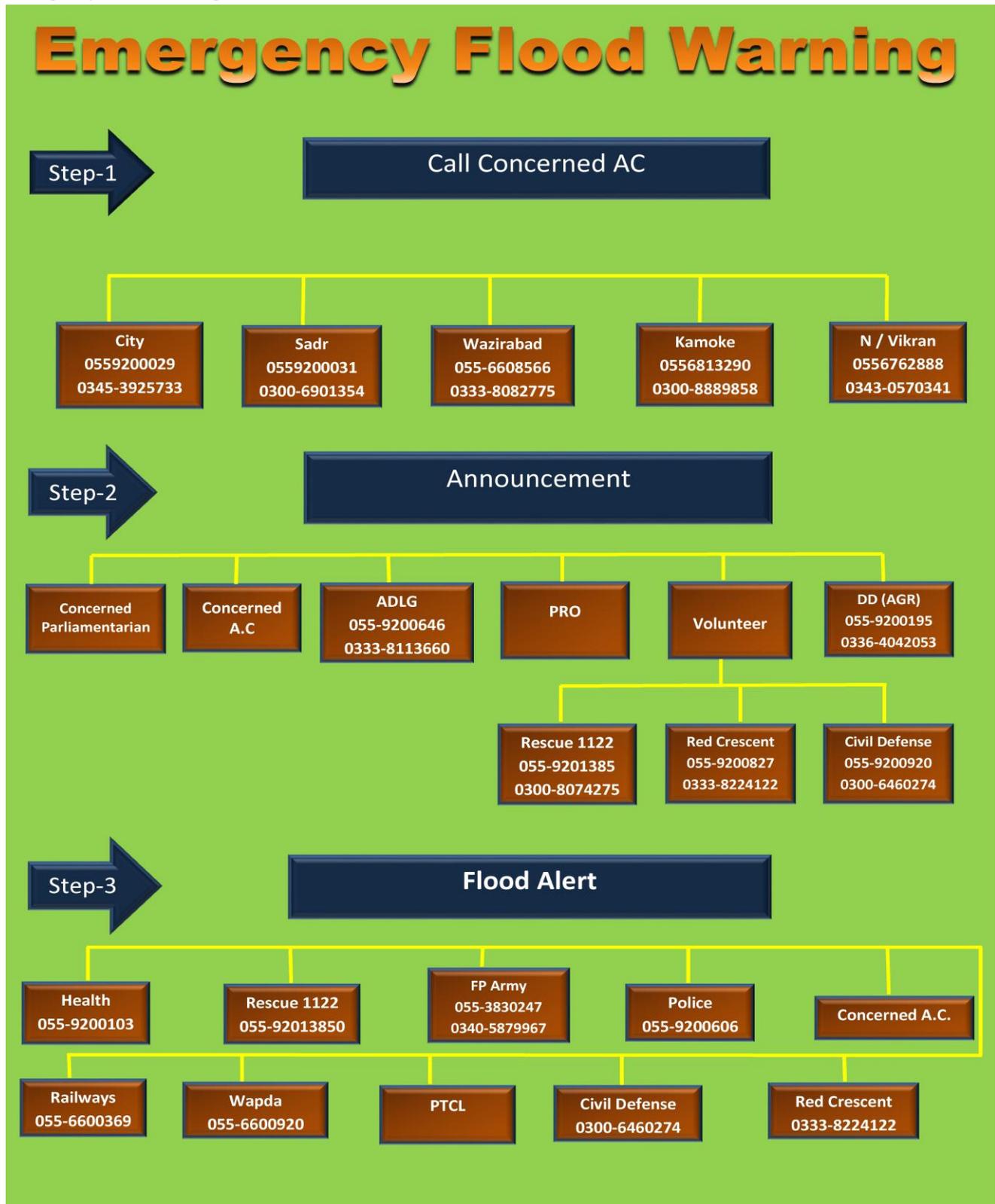


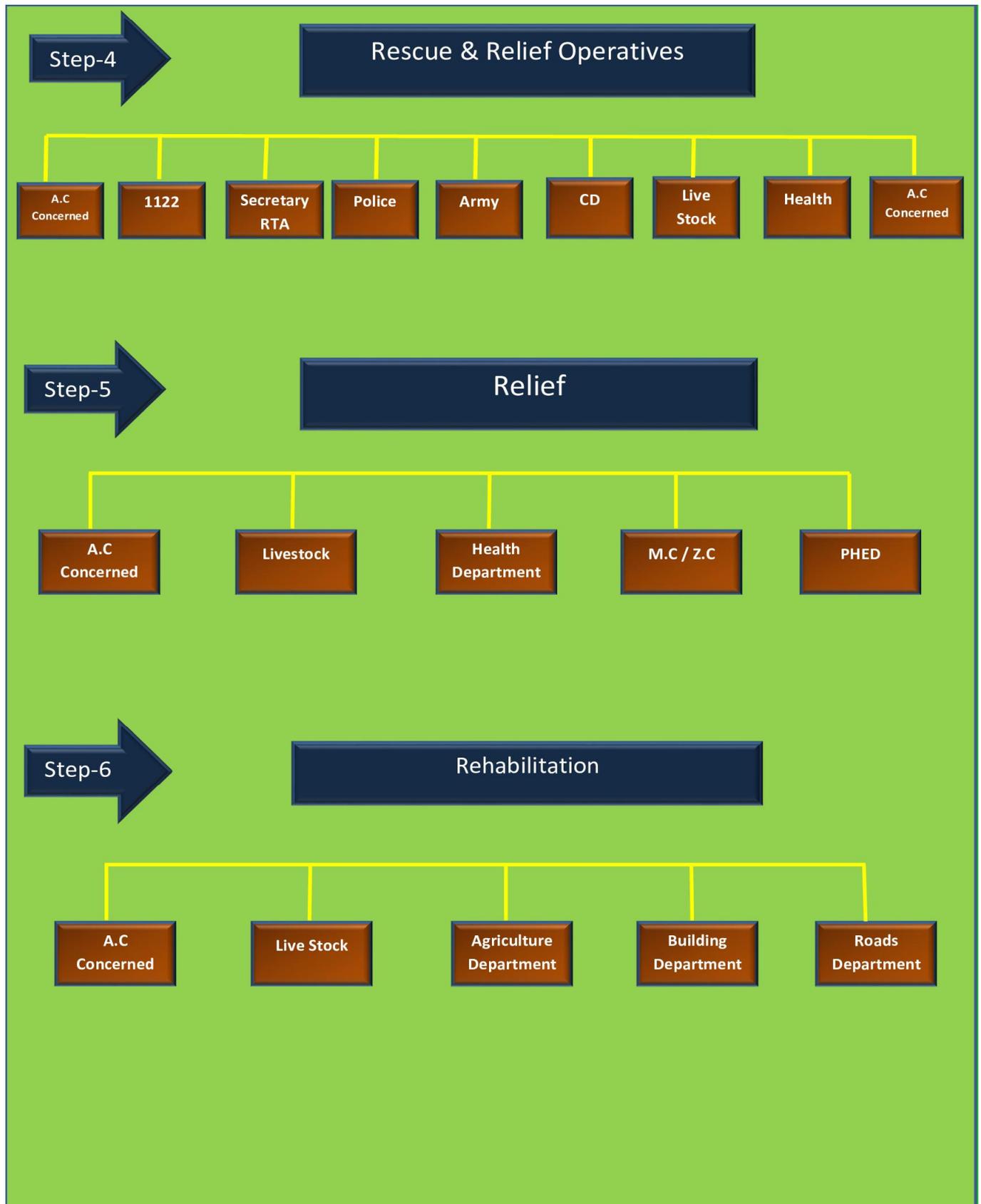
Alertness Levels

Following four levels alertness have been established:

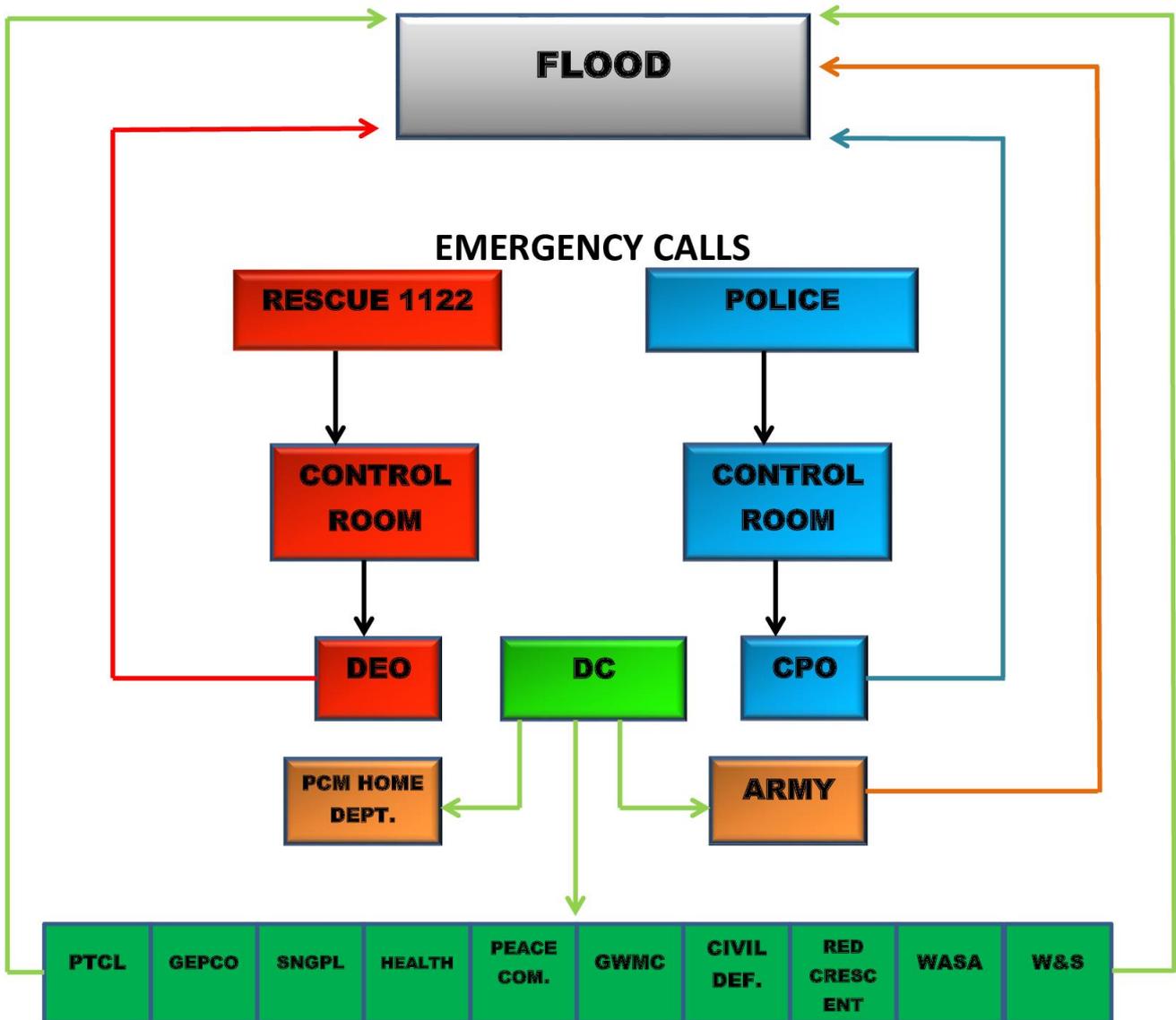
<p>Level-D (Disaster threat is perceptible)</p>	<p>DDMA shall conduct monthly meetings besides atleast 2 mock exercises as per DDMP, well in time, to make the concerned officers/officials understand their role and responsibility for better coordination and testing of rescue and relief equipment. DDMA shall also ensure the physical presence of concerned staff deputed and availability of equipment/resources for all designated vulnerable sites within given time frame during disaster. Vulnerable site's inspections and necessary works/action shall be carried out as mitigation measures.</p>
<p>Level-C (Alert) (Warning issued but likelihood of occurrence is less than 100%)</p>	<p>Activities to be undertaken in level D + DDMA shall issue “alert” to all concerned for the vulnerable area. DDMA and LDMA (tehsil level) control rooms be made operational 24/7 and ensure availability of all required (available and additional) resources for on call mobilization and monitor the situation 6 hourly. Only DC and DPO shall grant leave according to the situation.</p>
<p>Level-B (High Alert) (Disaster threat is imminent)</p>	<p>Activities to be undertaken in level C + DDMA shall issue EW to all stakeholders and “High Alert” for the district to ensure that all additional HR and material resources including volunteers has reported to their assigned duties, and all resources for evacuation and disaster management have been mobilized as per DDMP. All emergency (health, fire, rescue 1122, LOCAL BODIES etc) facilities shall work 24/7 with full staff strength. DDMA shall monitor the situation on hourly basis.</p>
<p>Level-A (Red Alert) (Disaster is materialized)</p>	<p>Activities to be undertaken in level B + DDMA shall respond to the emergency immediately and shall carry out rescue and relief operation as defined in DDMP and shall continuously monitor the situation. Resources of adjoining districts shall be mobilized and Army may be called keeping in view the magnitude of the disaster.</p>

Emergency Flood Warning.





FLOOD MANAGEMENT PLAN



RESCUE STRATEGY

1. Quick response of medical + water + fire+ rescue teams

- o. Evacuation from endangered area.
- o. Medical Treatment
- o. Rehabilitation
- o. Transportation
- o. Flood Dispersion.

2.. Response

Relief Comissioner
 PDMA
 Rescue - Rescue Activity
 Police - Law & Order
 District Administration - Coordinate & facilitate on ground
 Civil Defense,Redcrescent - Deploy valunteers
 WAPDA - Safety from electri cution & resotration
 Health - Health care to victims

Live Stock - Animals look after

Sui Gas - Safety & restoration of utility
 PTCL - Safety & restoration of PTCL
 Road - Safety + repair of embankments
 Irrigation - desilting + smooth & fast passage of water + strengthening of embankments
 TMA - dewatering + coordination
 WASA - dewatering + coordination
 GWMC - cleaning + coordination
 Education - provision of schools / infrastructure for IDPs

3. When the No. of Flood effectees esceeds 100,000 Pak.

Army can be called in by Punjab Government / District Gujranwala

HUMANITARIAN ASSISTANCE

- 1 Damage and loss detailed be collected from sector incharge will provide information concerned ACs and ACs will send to District Focal Person and same will be sent to PDMA and Commissioner of the Division.
- 2 Sector Officer will visit the site and will determine the priority needs and will report to the A.C Concerned and the same will be forwarded to District Focal Person and will communicate the Higher Authority.
- 3 Civil defence, Red Crescent and Tiger Force Volunteers, TMAS agriculture NGOs Rescuers 1122 and food will coordinate with District Administration.
- 4 They will be displaced at once with help of military police and Civil Defence Volunteers and Camps will be established and food, health facilities will be provided accordingly.

ROLE OF DIFFERENT GOVERNMENT DEPARTMENTS

It is clear that no individual department can deal single handily with a natural disaster. Hence the need to have a well-coordinated team effort in which all the Departments have clear perception of their role and work in complete harmony / coordination with each other. The role assigned to the different departments during flood emergency is discussed below.

ARMY

DESIRED FUNCTIONS

- Act in aid of civil administration.
- Rescue of stranded people and animals.
- Delivery of food to marooned people.
- Assist in maintenance and repair of protective works.
- Prepare for activate breaching sections on the written Instructions of competent civil authorities at Alexandra Bridge and the Bridge at G.T. Road, Wazirabad.
- Medical aid and evacuation
- Evacuation of household goods, grain etc.
- Patrolling of protective works to detect breaches.
- Control of anti-social elements.
- To assist the irrigation department in bund protection and to carry out breaches as and when required.

REVENUE DEPARTMENT

DESIRED FUNCTIONS

- General Coordination
- Measurement of preparedness of various department for flood management
- Provision of guidelines
- Setting up of aims & objectives
- Evaluating progress
- Continuation of relief work till normalization of life in affected areas

POLICE DEPARTMENT

Overall Supervision: City Police Officer
055-9200606

DESIRED FUNCTIONS

- Law and Order
- Communication of important messages through wireless and to connect District Flood Relief Control Centre with all Tehsil Centres.
- Protection of life and property.
- Assistance in evacuation of peoples.
- Wireless system would also serve as an additional communication net work

TRAFFIC POLICE

Overall Supervision: Chief Traffic Officer
055-9200616

DESIRED FUNCTIONS

- Determination of Alternative routes
- Identification of road which are likely to be inundated and prepare contingency plan.
- Diversion of traffic to alternate routes.

PUNJAB EMERGENCY SERVICE (RESCUE1122)

Overall Supervision: District Emergency Officer (Rescue 1122)
055-9201385/86

DESIRED FUNCTIONS

- Maintain a state of quick response and high alert.
- Provide emergency medical treatment.
- Evacuation of People from inundated / endangered areas.
- Respond to Drowning cases.
- Distribution of Food items.
- Transportation to safe points.
- Inspection of Bunds and protective Works.

HEALTH

Overall Supervision: Chief Executive Officer (Health)
055-9200103/7/8

DESIRED FUNCTIONS

- Provision of Medical Camp at Relief Centre/establishment of medical posts at vulnerable points.
- Arrangement of Vaccination Teams
- Enough stock of Medicines
- Vaccination for snake and dog bite
- Provision of medical care.
- To ensure completion of vaccination of people in vulnerable areas by June against infectious diseases like Cholera and Dysentery.
- To ensure availability of sufficient quantity of vaccine against snake bite with the hospital.
- To assist in chlorination of drinking water and ensure proper sanitation in relief centres.
- Take measures to eradicate Dengue
- Organize mobile teams.

AGRICULTURE ENGINEERING

Overall Supervision: Deputy Director
055-9200191/95

DESIRED FUNCTIONS

- Ensure availability of Bulldozer.

- Availabilities of Cranes.
- To provide seeds, assistance in post flood rehabilitation of the affected people.
- To ensure regular supply of fertilizer, agriculture implements and pesticides during the post flood operation.

EDUCATION

Overall Supervision: Chief Executive Officer
055-9230105

DESIRED FUNCTIONS

- Staff available at Centres
- School building ready to establish Camps.
- Vehicles in order.
- To depute staff on duty at District Flood Control Centre round the clock during the flood season.

LIVESTOCK

Overall Supervision: Addl. Director
055-3493545

DESIRED FUNCTIONS

- Vaccination of Cattle to be completed by June.
- Medical assistance Teams for livestock to be made available at centres
- To take preventive steps against cattle deceased.
- To supervise purchase and regular supply of fodder and ensure grassing facilities for the cattle of evacuated people

CIVIL DEFENCE

Overall Supervision: District Officer Civil Defence
055-9200920

DESIRED FUNCTIONS

- Setup sirens for early warning system.
- Help in evacuation and relief activity.
- Provide volunteers.

PROVINCIAL HIGHWAY

Overall Supervision: Executive Engineer
055-9200606

DESIRED FUNCTIONS

- Pits reading for blasting
- Roads repair
- Alternative routes ready
- Emergency bridges
- Repair work team available.
- Help in repair of preventive works.

IRRIGATION / DRAINAGE / BARRAGES (KHANKI, QADIRABAD, MARLA, SHADHRA)

Overall Supervision: Executive Engineer (U.C.C) Division Gujranwala
055-9200199
Executive Engineer Marala Division
052-3502121/02
Executive Engineer Khanki Division
055-6266239 (0331-7686715, 0300-8699570)
Executive Engineer Qadirabad Head Works
0547-550198/90

Executive Engineer (Drainage) Shiekupura Division
056-9200253

DESIRED FUNCTIONS

- Warning early
- System check
- Daily report
- Assist in breaching of embankments
- Availability of teams
- Timely rectifying measures whenever any sought of flaws are found in protective bunds
- To ensure effective patrolling during actual flood and to detect any possible danger to bunds.
- Timely and regular communication of information regarding discharge of water at Marala Head Works for River Chenab and Qila Sobha Singh for Nullah Dek.
- Mobile teams should be constituted to petrol along the canal banks and protective bunds.
- To coordinate with the Army Authorities to check the strength of the protective bunds prior to the flood season i.e. 15th June.

GEPCO

Overall Supervision: Executive Engineer Electricity Gujranwala
055-9200533

DESIRED FUNCTIONS

- Timely shutting down of Grids to avoid any electricity hazards
- Cordoning Sensitive areas preventing people from entering that place
- Arrange lighting on bunds for night petrol and protection activities.
- To ensure regular supply of power throughout the district in emergency.
- To check the electrocution of polls and other objects/structures in the inundated areas.
- Ensure uninterrupted power supply to WASA disposal stations.

WASA

Overall Supervision: Managing Director WASA Gujranwala
055-9200451

DESIRED FUNCTIONS

- The cleaning and desilting of sewer lines and Nullahs
- Special Team/gang of sewer man to look after rainy/flood areas
- Availability of dewatering sets
- Functioning of all disposal station
- To keep strict control on the water supply & Sewerage Scheme.

SOCIAL WELFARE

DESIRED FUNCTIONS

- To assist local Administration.
- Coordination between NGOs and local administration.
- Provision of food, clothing and other relief articles.
- Provision of medical treatment.
- Measures for rehabilitation.

DESIRED FUNCTIONS

- Availability of Sanitary workers.
- Lifting of garbage/filth.
- Availability of dewatering sets.
- Survey of dangerous building.
- Provision of portable water facility in the flood areas.
- To keep adequate stores of essential parts etc for pairs of wells and tube wells etc.
- To ensure prompt repair of loss caused by flood to water supply schemes and sewerage system.

FOOD DEPARTMENT

Overall Supervision: District Food Controller
055-9200213

DESIRED FUNCTIONS

- Ensure adequate food stock near the vulnerable areas.
- Avoid any food shortage at the time of emergency.
- Prepare a plan for establishing special Ration Depots at the strategic places.
- Organize Mobile Depots.

FOREST DEPARTMENT

Overall Supervision: District Forest Officer
055-9200649

DESIRED FUNCTIONS

- Provide "ABKALANI" material and strengthen the bunds.
- Provide places for flood affected cattle-sheds.
- Ensure that timber coming along the flood water is collected and stored at safe places to check theft.

INFORMATION DEPARTMENT

Overall Supervision: District Officer Information
055-9200147/32

DESIRED FUNCTIONS

- Shall ensure that news media and the public receive correct information and warning messages
- Make fool proof arrangements that no harassment is created in the media.
- Plan and arrange visits of the newsmen to the vulnerable areas for getting first-hand information.

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
1	BHU Rana Talwara	45	X: Y:	16	BHU Talwandi Musa Khan	60	X: 74.299059 Y: 32.191096
2	Government Boys High School Sohdra .	65	X: Y:	17	BHU Ramke		X: Y:
3	GBHS Nizamabad		X: Y:	18	GBHS Eimnabad	100	X: 74.253958 Y: 32.037553
4	GPS Hari Pur Band		X: 322806 Y: 740822	19			X: Y:
5	BHU Wadala Cheema	55	X: 322449 Y: 740446	20			X: Y:
6	Boys High School Khanki	40	X: 322449 Y: 735922	21			X: Y:
7	Boys High School Kathore Kalan	30	X: 322321 Y: 74020318	22			X: Y:
8	Boys High School Salhoki	50	X: 322041 Y: 734932	23			X: Y:
9	Boays High School Rasool Nager	50	X: 321941 Y: 734655	24			X: Y:
10	Sub-Tehsil Office, Wahndo	150	X: 32.026985 Y: 74.402730	25			X: Y:
11	BHU Kotli Nawab	100	X: 74.342033 Y: 32.050716	26			X: Y:
12	Mahay Chatha	100	X: 74.336129 Y: 31.948409	27			X: Y:
13	BHU Ghunnaur	150	X: 74.312103 Y: 31.921563	28			X: Y:
14	GBHS Kot Rafiq		X: 74.239684 Y: 31.99314	29			X: Y:

15	GPS Kot Des Raj		X: 74.354428 Y: 32.136728	30			X: Y:
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ANNEX II: LIST OF HAZARD PRONE VILLAGES/REVENUE ESTATE (NAMES REQUIRED)

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Wazirabad	HARDO JIOKA FAQIRANWALI KHURD KHANKI KOT KAHLWAN RAKH SANT PURA CHHANI MAHARAM CHHANI WALI DAD CHHANI LAK CHHANI NATHU CHHANI JUMMA RAKH SINGHPURA RASUL NAGAR CHHANI JAWALA BURJ TASHA CHHANI MOTI KOT HARA BURJ RATTA BURJ DHALLA GARHI GHULLAH LUND PUR (RAMKE) BURJ CHEEMA THATTI BALOCH FAQIRAN WALI KALAN KOT IMAM BAKHSH KOT RATTA DHARO WAL CHAK KATHOR RANIKI KATHOR KALAN MANSUR WALI CHAK ALI SHER BHAGWAN PURA WADALA RAM PURA PATHAN WALI HARI PUR ARAINAN WALA KOT SHAH MUHAMMAD TALWARA BEHRAM	Jamke Chatha Dilawar cheema Mansoor Wali Mansoor Wali Mansoor Wali Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Rasul Nagar Rasul Nagar Rasul Nagar Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Jamke Chatha Dilawar cheema Jamke Chatha Dilawar cheema Dilawar cheema Dilawar cheema Dilawar cheema Dilawar cheema Mansoor Wali Jamke Chatha Dilawar cheema Mansoor Wali Mansoor Wali Mansoor Wali Mansoor Wali Mansoor Wali Mansoor Wali Bhattike Bhattike Bhattike Ghakka Mitter Wanjo wali Ghakka Mitter Ghakka Mitter Sohdra Wanjo wali	Jamke Chatha Dilawar cheema Mansoor Wali Mansoor Wali Mansoor Wali Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Rasul Nagar Rasul Nagar Rasul Nagar Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Jamke Chatha Dilawar cheema Jamke Chatha Dilawar cheema Dilawar cheema Dilawar cheema Dilawar cheema Dilawar cheema Mansoor Wali Jamke Chatha Dilawar cheema Mansoor Wali Mansoor Wali Mansoor Wali Mansoor Wali Mansoor Wali Bhattike Bhattike Bhattike Ghakka Mitter Wanjo wali Ghakka Mitter Ghakka Mitter Sohdra Wanjo wali

		TAHLI WALA DIWAN KOT RAM GARH PATOKE NAHARKE KOT NATHU LAWARI WALA WAZIRABAD THATHA FAQIR ULLAH KOT MIR CHAK SATIA MANDIALA CHATHA SALLOKE WANJO WALI KOTLA PIRAN GURALLI KOT JAFAR HAZRAT KAILIANWALA CHHANI MURID KOT NAWAN NUR PUR MAHARAJ KE PHALOKE DHONEKE KHASRA BHATTI KE ISMIAL PURA NIZAMABAD KOT BELA CHHANI MANGA KARTAR PUR KHURD MANI PURA SOHDARA KOT NAWAN RANAN Manewala KAN GARH BEHRUP GARH	Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali MC Wazirabad Bhattike Ghakka Mitter Wanjo wali Jamke Chatha Jamke Chatha Wanjo wali Wanjo wali Mansoor Wali Mansoor Wali Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Bhattike Bhattike Bharoke Cheema Bhattike Ghakka Mitter MC Wazirabad Jamke Chatha Hazrat Kailianwala Hazrat Kailianwala Bhattike Sohdra Wanjo wali Wanjo wali Wanjo wali Hazrat Kailianwala Hazrat Kailianwala	Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali Wanjo wali MC Wazirabad Bhattike Ghakka Mitter Wanjo wali Jamke Chatha Jamke Chatha Wanjo wali Wanjo wali Mansoor Wali Mansoor Wali Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Hazrat Kailianwala Bhattike Bhattike Bharoke Cheema Bhattike Ghakka Mitter MC Wazirabad Jamke Chatha Hazrat Kailianwala Hazrat Kailianwala Bhattike Sohdra Wanjo wali Wanjo wali Wanjo wali Hazrat Kailianwala Hazrat Kailianwala
	Kamoke	Sadhoke Gunnaur Gunnaur Gunnaur	Sadhoke Gunnaur Gunnaur Gunnaur	Sadhoke Gunnaur Gunnaur Gunnaur

		Ghanian Gunnaur Gunnaur Gunnaur Nangal Doona Singh(Allah Abad) Nangal Doona Singh(Allah Abad) Nangal Doona Singh(Allah Abad) Machrala Wahndo Wahndo Wahndo Sohawa Kali Suba Chak Ramdas Chak Ramdas Chak Ramdas Chak Ramdas Sohawa Sohawa Sohawa Nangal Doona Singh(Allah Abad) Wahndo Nangal Doona Singh(Allah Abad) Sohawa Nangal Doona Singh(Allah Abad) Machrala Gunnaur Nangal Doona Singh(Allah Abad) Nangal Doona Singh(Allah Abad) Nangal Doona Singh(Allah Abad) Nangal Doona Singh(Allah Abad)	Ghanian Gunnaur Gunnaur Gunnaur Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh Machrala Wahndo Wahndo Wahndo Sohawa Kali Suba Chak Ramdas Chak Ramdas Chak Ramdas Chak Ramdas Sohawa Sohawa Sohawa Nangal Doona Singh Wahndo Nangal Doona Singh Sohawa Nangal Doona Singh Machrala Gunnaur Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh	Ghanian Gunnaur Gunnaur Gunnaur Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh Machrala Wahndo Wahndo Wahndo Sohawa Kali Suba Chak Ramdas Chak Ramdas Chak Ramdas Chak Ramdas Sohawa Sohawa Sohawa Nangal Doona Singh Wahndo Nangal Doona Singh Sohawa Nangal Doona Singh Machrala Gunnaur Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh Nangal Doona Singh
Urban Flooding				
Flash Floods				
Hill Torrent				
Tornado				
Earthquake				
Drought				

Epidemic				
Environmental Hazards (industrial accidents, severe pollution etc.)				

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

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	DHQ/Teaching HOSPITAL GUJRANWALA	X:32.169034 Y:74.191712	Primary	Dr. Sohail Anjum 0331-4649778	Floods Earthquake, fire Incidents , epidemics and other major Accidents
2	THQ HOSPITAL WAZIRABAD	X:32.443710 Y:74.114239	Secondary	Dr. Waqas Cheema 0332-8356514	Floods Earthquake, fire Incidents , epidemics and other major Accidents
3	THQ HOSPITAL KAMOKE	X:31.984057 Y:74.218179	Secondary	DR. Imran 0346-0402789	Floods Earthquake, fire Incidents , epidemics and other major Accidents
4	THQ NOSHERA VIRKAN	X: 31.963901 Y: 73.974966	Secondary	Dr. Irfan Riaz 0345-7022046	Floods Earthquake, fire Incidents , epidemics and other major Accidents
5	BHU Gakka Mitter	X: Y:		Dr.Muneeba Sheraz	Floods , Epidemic, First Aid
6	GRD OJLA Kalan	X: Y:		Faisal Nadeem	
7	RHC Sohdra	X: 32.45 Y: 74.18	Primary	Ayub Rabbani	Floods Earthquake, fire Incidents , epidemics and other major Accidents
8	BHU Rana	X: Y:		Khalid Hussain	Floods , Epidemic, First Aid
9	GRD Harrianwala	X: Y:		Dr.Jannat Nawaz	
10	GRD Laweriwala	X: Y:		M.Irfan	
11	GRD Kot Khizri	X: Y:		Dr.Sana Khaliq	
12	GRD Chak Sanata	X: Y:		Shahid	
13	BHU Bhattike	X: Y:		Dr.Maria	
14	RHC Dhonkal	X: 32.39 Y: 74.12	Primary	Fiaz Cheema	Floods Earthquake, fire Incidents , epidemics and other major Accidents
15	SHC Harrianwala	X: Y:		Lakhat Hussain	
16	GRD Kakakola	X: Y:		Dr.Bilal Nisar	

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
17	GRD Dhonike	X: Y:		Dr.Naghma Shehzad	
18	BHU Khiwewali	X: Y:	Primary	Mubashir	Floods , Epidemic, First Aid
19	SHC Khorl	X: Y:		Mubashir Ali	
20	BHU Mansoor wali	X: Y:	Primary	Bilal Ahmer	
21	BHU Bharoke	X: Y:	Primary	Javed	Floods , Epidemic, First Aid
22	BHU Mazoorabad	X: Y:	Primary	DR.Dare Nawab	Floods , Epidemic, First Aid
23	Subcentre Haripur	X: Y:		Ghaffar	
24	SHC Ghakka mitter	X: Y:		Shabir	
25	BHU Sahloki	X: Y:	Primary	Dr.Saad	Floods , Epidemic, First Aid
26	BHU Macher	X: Y:	Primary	Nabeel	Floods , Epidemic, First Aid
26	RHC Rasulnagar	X:32.324335 Y:73.783077		Dr.Tabriaz	Floods Earthquake, fire Incidents , epidemics and other major Acidentssss
27	RHC Alipur	X: Y:		Muhammad Ali	
28	BHU Ali Pur	X: Y:	Primary	Dr.Javed Akram	Floods , Epidemic, First Aidsss
29	GRD Kathore	X: Y:		Dr.Aqsa	
30	RHCM Ahmad Nagar	X: Y:		Hanif Sahb	
31	SHC Saroke	X: Y:		Asia	
32	RHC jamkay Chattha	X: 32.33 Y: 73.90	Primary	Khali Ijaz	Floods Earthquake, fire Incidents , epidemics and other major Acidents
33	BHU Dhanserpain	X: Y:	Primary	Dr.Sohaib	Floods , Epidemic, First Aid

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
34	BHU Maderiawala	X: Y:	Primary	M.Naeem	Floods , Epidemic, First Aid
35	GRD Kotli Mehran	X: Y:	Primary	Dr.Aqsa	Floods , Epidemic, First Aid
36	BHU Sukhana Bajwa	X: Y:	Primary	Dr.Mudasar	Floods , Epidemic, First Aid
37	BHU Gulloke	X: Y:	Primary	Dr.Sadam	Floods , Epidemic, First Aid
38	BHU Kali Suba	X: Y:	Primary	Dr.Tehmina	Floods , Epidemic, First Aid
39	BHU Dhandian	X: Y:	Primary	Humaira	Floods , Epidemic, First Aid
40	RHC Wahndo	X: 32.02 Y: 74.39	Primary	Dr.Maqsood	Floods Earthquake, fire Incidents , epidemics and other major Accidents
41	BHU Chak Ramdas	X: Y:	Primary	Dr.Umer ilyas	Floods , Epidemic, First Aid
42	BHU Gunnaur	X: Y:	Primary	Faiza iram	Floods , Epidemic, First Aid
43	BHU Kotli Nawab	X: Y:	Primary	Dr.Ahsan Raza	Floods , Epidemic, First Aid
44	BHU Lalu Pur	X: Y:	Primary	Dr.Fatima	Floods , Epidemic, First Aid
45	BHU Shamir	X: Y:	Primary	Uzma Rani	Floods , Epidemic, First Aid
46	BHU Karyankala	X: Y:	Primary	Dr.Amina Iqbal	Floods , Epidemic, First Aid
47	BHU Thattha Manak	X: Y:	Primary	Naveed Anwar	Floods , Epidemic, First Aid
48	BHU Shamsa Dada	X: Y:	Primary	Dr.Rabia Khalid	Floods , Epidemic, First Aid
49	BHU Mari Bhindran	X: Y:	Primary	Parveen Pervaiz	Floods , Epidemic, First Aid
50	BHU Ramkay Sandhwan	X: Y:	Primary	Dr.fatima Rafiq	Floods , Epidemic, First Aid
		X: Y:			
		X:			

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			
		X:			
		Y:			

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrollment	Incharge Name	Contact Number
1	GHS Sohdra	High	32.457818 74.185024	577	M.Afzal	0307-3391987
2	GGHS Sohdra	High	32.457818 74.185024	1249	Miss Tahira	0307-3361107
3	GHS Salhoke Chattha	High	32.344876, 73.835412	242	Asif Javed	0342-7133850
4	GGHS Salhoke Chattha	High	32.344876, 73.835412	329	Kashifa Noreen	0343-4843549
5	GGHS Rasulnagar	High	32.327736, 73.781056	1295	Kaneez Zahira	0306-6642766
6	GHS Rasulnagar	High	32.328307, 73.781088	469	Rana Rashid	0345-8161704
7	GHS Mandiala Chattha	High	32.334198, 73.861885	300	Ayesha Perveen	0342-1686882
8	GGHS Wadal Cheema	High School	32.410564, 74.070135	278	Razia Sultana	0347-6164497
9	GHS Khanki head	High	32.398212, 73.979068	236	Shabir Hussain	0301-6495272
10	GGHS Khanki head	High school	32.397532, 73.979213	266	Samrana Irshad	0307-4007773
11	GES Laweriwala	Elemantry	X: 32.49 Y:74.15	158	M.Naveed Aslam	0300-6558886
12	GPS Kot Nawa	Primary	X: Y:	59	Mubashir Ali	0333-4557726
13	GPS pattoke	Primary	X: Y:	30	Kaiwan Haider	0336-4240073
14	GPS Manewala	Primary	32.482065, 74.161505	51	Liaqat Ali	0300-6233243
15	GPS Wadala Cheema	Primary	32.410811, 74.070030	49	Rashid Ali	0346-0428322
16	GPS Ramgarh	Primary	32.490628, 74.174977	25	Mubashir Islam	0334-8045274
17	GMPS Kot Baila	Middle	X: Y:	89	Falak Naaz	0340-0459340

18	GMPS Gorali	Primary	32.018318, 74.462648	61	Munaba Samreen	0300-7597377
19	GMPS Kot Ali Sher	Primary	32.207407, 73.838977	61	Taskeen Anwar	0342-6790380
20	GGPS kot Khaqwan	Primary	X: Y:	25	Madiha Naaz	0347-0489419
21	GGPS Bairoot Garh	Primary	X: Y:	100	Mariam Rubina	0333-7377419
22	GGPS Burj Tasha	Primary	X: Y:	53	Sadaf Nureen	0305-4860804
23	GGPS Chanilakh	Primary	X: Y:	31	Atifa tu Zahira	0342-4607786
24	GGPS Chani Mureed	Primary	32.303373 73.693651	68	Lubna Nasir Iqbal	0341-6016221
25	GMPS Khojian Wala	Middle	X: Y:	92	Itrat Batool	0343-6696340
26	GMPS Miraj Chattha	Middle	X: Y:	109	Rashida Parveen	0300-7667427
27	GMPS Chak Satia	Middle	32.451878, 74.156024	172	Tanzeela Naaz Ali	0306-6977342
28	GGES Laweriwala	Elementary	X: 32 Y:74.15	200	Pakiza Sadique	0343-0465380
29	GGPS Dolatbagh	Primary		77	Isma Baig	0331-4828846
30	GGPS Haripur	Primary	32.46 74.13	135	Tanveer Kausar	0333-8987546
31	GGPS Kot Nawa	Primary		39	Asma Munir	0333-4260843
32	GGPS Ramgarh	Primary	32.48 74.17	113	Shagufta Zahid	0335-4610379
33	GGPS Behram	Primary	32.50 74.20	266	Nadia Kausar	0331-9626005
34	GGPS Kat Natthu	Primary		53	Sayyed Ghulam Sakina	0332-9390100
35	GMPS Rana	Primary	32.50 74.19	41	Zahida Nasreen	0332-4357313
36	GMPS Tahiwala	Middle		106	Nazia Parveen	0331-6257608
37	GGHS Gunna Aur	High		666	Shumaila Arif	0340-4337792
38	GHS Gunna Aur	High		430	Muhammad Aslam	0333-8263433

39	GGHS Wahndo	High	32.028630, 74.403961	1186	Abida Bashir	0305-8238789
40	GHSS Wahndo	Secondary	32.024931, 74.396422	837	M.Iqbal	0302-6428939
41	GHS Sukhana Bajwa	High	32.115157, 74.487092	210	M.Rafiq	0346-6255631
42	GHS Kali Suba	High		666	Ghalza Shamim	0321-7760359
43	GGHS Kali Suba	High		338	Khalid Mahmood	0345-4651552
44	GPS Nitthranwali	Primary	31.927593, 74.283208	35	M.Khalil Ur Rehman	0324-7261122
45	GPS Chakkian Wala	Primary		25	Ishfaq Riaz	0300-6481716
46	GPS Kuri Kot	Primary		54	Dildad Hussain Shah	0346-6157060
47	GPS Shadi Khan Wala	Primary	31.97 74.38	53	Aziz Ur Rehman	0343-6065406
48	GES Alabad	Elementary	30.874765, 74.051202	372	M.Anwar	0301-3182759
49	GES Wahndo	Elementary	32.026980, 74.395007	543	M.Aslam	0302-6464821
50	GMPS Manjhpur	Middle		57	Rashida Parveen	0336-4697626
51	GES Wahndo	Elementary	32.022658, 74.401112			
52	GGES Pul sha Dola	Elementary	31.904491, 74.338040	165	Asia Sattar	0323-7409013
53	GMPS Khanjan Wali	Middle		82	M.Arif	0302-6325734
54	GGPS Dholan	Primary		101	Fauzia Ghafoor	0344-6565484
55	GMPS Tung Uncha	Middle		99	Kishwer	0344-2069065
56	GMPC Tung Bucha	Middle		120	Razia Sultana	0335-6575327

ANNEX V:LIST OF INDUSTRIES WITH THEIR RISK LEVEL

#	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/Earthquake
1			X: Y:				
2			X: Y:				
3			X: Y:				
4			X: Y:				
5			X: Y:				
6			X: Y:				
7			X: Y:				
8			X: Y:				
9			X: Y:				
10			X: Y:				
11			X: Y:				
12			X: Y:				
13			X: Y:				
14			X: Y:				
15			X: Y:				
16			X: Y:				
17			X:				

S#	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/Floods/Earthquake
			Y:				
18			X: Y:				
19			X: Y:				
20			X: Y:				

ANNEX VI: LIST OF NGOS 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)	Focal Person Name	Contact No.
2	District Anti T.B, Association, Civil Lines, Gujranwala.	Local			Sheikh Abdul Hameed. Sheikh Zubair Seikh Tariq	055-9330615 0300- 8647013 M.Masnha (Office Secretary) 0302- 6428435
3	Deaf and Dumb Welfare Association, Main Market Satellite Town, Gujranwala	Local			Mr. Noman Dr. Huma Sheikh. Sadeeq Nadeem	0300- 9649324 055-3257591 055-3251210
4	Patient Welfare Society, D.H.Q Hospital Gujranwala.	Local			S. A. Hameed. Malik Nadeem.	055-3253665
5	Anjuman Samaji Behbood, House 70 Y Block Rehman Manzil St# 14 Peoples Colony, Gujranwala.	Local			Shehzad Qamar Abdul Waheed. Aziz Ahmad Malik	0300- 6438588 0333- 8170848
6	All Nations Charity, Kangniwala, Gujranwala.	Local			Rana Faisal Rauf Rana Bilal	0333- 4301176
7	Women Initiative & Children Education (WICEF) Civil line, Near Session Court GRW.	Local			Ibtsam ul Asad Khan , Zaigain Ibtasm Khan Nazeer Ahmad Bajwa	0321- 6447960
8	National Welfare Society, Kashmir Road, Abdullah Colony, Gujranwala.	Local			Malik M. Jamil Awan. M. Nawaz Butt.	0300- 7409300

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
9	Jinnah Welfare Society, Jinnah Road, Link D.C. Road, Gujranwa.	Local			Qazi Shoaib Babar Rasheed Khan	0301-8643697 055-3255527
10	Kashmir Welfare Society,G.T.Road, Attawa, Gujranwala.	Local			Major® Zafar Iqbal Dar. , Haji Zafar Iqbal Dar.	0300-6425690 4290057-60
11	Rafique Anwar Memorial Trust Hospital, Sialkot Road, Gujranwala.	Local			Aziz Zulfiquar,Mirza Habib-ur-Rehman.	055-3259061 055-3259063
12	Pakistan Youth Organization Awais Qarni Street, Opposite Garden Town (Phase III), Gujranwala	Local			Sana Ullah Rathor ,Imran Nadeem.	0333-8106413 055-3203626
13	National Health Welfare and Environment Planning Association, Popular Nursery, Gujranwala.	Local			Dr.Sh. Tahir Riaz Rubina Sheikh.	055-3256877 055-3240288
14	Al-Wattan Forum Pakistan, Ehtesham Colony, Sui Gas Road,GRW.	Local			M. Ashraf Bhutta. M.Haleem Khan.	0321-7437986 055-3893345
15	National Wahdit Welfare Society, Wahdit Colony, St.16, Grw:	Local			Rana M. Kamran Khan, Ch. M. Shafique, Younis Ali Shah	0302-9495096 0321-6750221 0300-6471014
16	Revival Welfare Foundation, Sialkot Road	Local			Mian Amjad Mehmood	

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Ftomand, Gujranwala				Khuram Javed, Shahid Bashir.	
17	Anjuman Falah- o-Behbood-I- Insniat D.H.Q Hospital, Gujranwala.	Local			Sh. Mohammad Naseem Rana Naeem- ur-Rehman.	055-3842448
18	Friends Welfare Foundation, St 20, Z-Block, Peoples Colony, Gujranwala.	Local			Abdullah Sandhu, Asad Ali Muhammad Mozzam	0300- 8648699 0345- 8445883 0304- 1223331
19	Life Protection Welfare Society, Hasham Plaza, Munir Chowk Gujranwala.	Local			M. Azmat Gee, Ch. Tariq Mehmood, Mehar M. Farooq	0312- 4000444 0333- 8109227
20	Special Persons Friendship Society 25-Irfat Colony Gujranwala	Local			M.Zubair Sheikh Sumera Zubair	0322- 5565098
21	Al-Habib Welfare Foundation, Kangani Wala Bye Pass, Gujranwala.	Local			Haji M. Sabar. M. Aslam Chughtai.	0300- 7497557 055-4221134
22	Prisoners Help Lines, Central Jail, Gujranwala.	Local			Rana Naeem Ur Rehman	0321- 6465855
23	Give Development Foundation 14- Mian Ziaul Haq Road Gujranwala	Local			Muhammad Aif Azam, Muhamm Haseeb Younis, Khalid Mehmood Sajid Bhatti	0333- 8191995 0333- 8114911 0300- 6406009

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
					(0300-8716682)	
24	Public Awareness Society(PAS) 7, Beta Fans Street Khokharki, Gujranwala	Local			Ammar Ahmed , Nasir Jamil Mubeen Zubair	055-3857363 0300-9644189
25	Al-Madad Welfare Society, Near Railway Crossing, Rahwali Bajwa Market, Grw:	Local			Shakeel Ahmad , Hafiz Asif Hussain M. Afzal Bajwa	0300-6428789 055-3862971 0321-7418467
26	Qadri Shazli Welfare Society, Aroop, Gujranwala.	Local			Dr. Saeed Ahmad Shazli, Mohammad Rafiq Awan, Malik Altaf Hussain.	0321-7427592 0300-6431336
27	Sahil Development Organization Fatima Computer Plaza Katchery Road Gujranwala.	Local			Sh. Faisal Shehzad , Javed Iqbal Khalid Mehmood	0321-6439007 0345-6984910
	Adara Usmania Association Kangniwala Bay Pass Gujranwala.	Local			Abid Ur Rehman , Abdul Hafiz Ghulam Rasool	0321-6445465
	Aims Human Rights Organization 141 Delta Road Gujranwala.	Local			Dr. Ijaz Siddiqi , M. Atif Sarwar, Iftikhar Ahmed Bajwa	0321-5996011
	Umeed Foundation , Sethi Plaza Sheikhupura	Local			Khalid Mehmood Akhtar	0300-6490209 0308-6559248

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	More G.T.Road Grw.					
	Cancer Patients Welfare Society, (GINUM), Sialkot Road, GRW	Local			Imtiaz Ahmad , Khashif Islam Habib Dar	0302- 8436601 0333- 8102831 0300- 6466703
	The Shine Welfare Foundation (For Special Persons), Gorya Town G.T.Road, Attwa, Gujranwala.	Local			Huma Irshad Hina Irshad	0322- 5657961 0302- 6190336
	Women Development Organization, Katcha Eminabad Road, Nabi Pura, GRW.	Local			Mrs. Suraya Manzoor Mrs. Aasia Butt Mrs. Abida Parveen	0300- 7478287
	Public Youth Welfare Organization , Paka Fattomand Chowk, Sialkot Road, Gujranwala	Local			Shahid Mehmood, Hafiz M. Bilal, M. Naveed	0345- 4762570 0332- 9003261
	Razzaqia Welfare Foundation, Near Chaman Shah Graveyard, D-Type Colony, Gujranwala	Local			Abdul Waheed Butt, M. Younis, Tariq-ur- Rehman	0321- 6464320 0321- 6442266 0302- 4942104
	Liver & Heart Patients Welfare Society, DHQ Hospital, Gujranwala	Local			Ikhlaq Butt, Kh. Tahir Hasan, Kh. Ali Hasan	0300- 8646535 0301- 8644444
	Gulzar Foundation, Jamia Qasmia,	Local			Gulzar Ahmad Qasmi, Mufti	0300- 8625100

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Qasim Town, Gujranwala.				Mehmood Ahmad Qasmi, Hafiz Jawad Mehmood Qasmi	0321- 3733100 0322- 5604050
	Ayub Zafar Memorial Welfare Organization, Islmia Park, Katcha Fattomand, Jinnah Road, Gujranwala	Local			Muhammad Waqas, Khaliq-ur- Rehman, Atta-ul- Naseer	0300- 8623456, 0300- 7324684 0307- 5060440
	Urban Community Development Project No. 2	Local				
	Anjuman Islah- o- Taraqi, Katcha Darwaza, GRW.	Local			Babu Mohammad Ismaiel - Haji Azmat Ullah.	055-3219440
	Jamiat-e-Shiekh, 287 A Model Town, Gujranwala.	Local			Sh:Shafi	0345-6500006
	Anjuman Al-Rai Nowshera Road, Gujranwala.	Local			Haji Mohammad Anwar	0332-8411788 055-3846593
	Peace & Development Organization, Allama Iqbal Colony, Dhuly, Gujranwala.	Local			Mriza Ishtiaq Ahmad Shehzad Yousaf , M. Qamar	0321-7426993
	Anjuman Idreesia Welfare Baghbanpura, Gujranwala.	Local			Haji Tallat Saeed, Saleem Shehzad Muhammad Younis Chughtai	0300-9642131 0331-4645654 0300-6471504
	ILmo Sanat Trust, 533-A, Model Town, Gujranwala.	Local			Aziz Zulfiqar, Molvi M.Anwar	055-3259837

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Al Badar Education Trust, AL-Badar Girls High School, Asad Colony, Sheikhpura Road, Gujranwala	Local			Major Dr.abdul Qayyum M.Naseem Asghar Qazi.	0300-8644723 055-4244723
	Social Welfare and Health Society, Awan Chowk, Qila Sunder Singh, Gujranwala.	Local			Dildar Ahmad, Shehbaz Ali. Arshad Ahmad	055-4440042
	The Petals Foundation, Allama Iqbal Town, Rahwali, Gujranwala.	Local			Sajjad Sarwar, Shakeel Ahmed Bajwa, Adeel Arshad	0321-7418467
	Jinnah Welfare Society, Mughalpura Jinnah Road Gujranwala	Local			Mirza Yahiyya Kaleem Anjum Hussain, M.Waqas Arshad	0321-8214397
	Ibrahim Trust Near Rejent Cinema, Gujranwala.	Local			Noman-ul-Haq Amam-ul-Haq	0300-8402700 055-3859389
	Active Citizen Engagment, 470, DOHS, Phase II, Gujranwala Cantt	Local			Waqas Butt, Anwar Saee Umair Daud	0324-5021587 0321-6462919
	Abdul Wahad (Rasikh Arfani) Memorial Hospital,	Local			Haji M. Abdullah Atta Ullah	055-4222377 055-4220364

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Gharjakh, Gujranwala.					
	Ujala Foundation, Near My School Gulshan Colony Gujranwala	Local			Ch: Muhammad Shahid, Malik Muhammad Iftikhar Ajmal, Ch. Muhammad Anwar	0301- 8621122
	Haji Muhammad Ramzan Welfare & Development Organization, Ludhay Wala Warraich.	Local			Tariq Mehmood Rao M.Shafiq Khan	055-3292847
	Saiban Social Development Organization, Main Bazar Near Faisal Clinic Shaheen Abad Gujranwala.	Local			Dr. Afzal Ahmad Mohammad Iqbal Shad	
	Gujranwala Community Development Organization,F Block Trust Plaza Daily Jinnah Grw	Local			Abdul Rauf Mughal Aziz ur Rehman Bajwa	0300- 9640068 0300- 6428246
	Sundas Foundation, Jinnah Road, Dhully Near Qabristan, Gujranwala.	Local			M. Yasin Khan Ch. Khalid javed Warraich.	0300- 8645262 0333- 4211261
	Organization Pan Environment, Street No. 12, C Block, 30-Foot Bazar, Shaheenabad, Gujranwala.	Local			Mehr M. Islam. M. Ilyas.	0300- 9643092 055-3732270

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	The Vision Organization , F Block Trust Plaza Daily Free Press Grw.	Local			Mrs. Samina Irfan Sumera Ashraf, Rasheed Ahmad	0300-6448610 0333-8195547
	Punjab Pilot Project Welfare Society, Mughal Chak, Gujranwala.	Local			Dr. Basharat Ali Javed M. Shahbaz Babar	0301-6663136
	Khawateen Welfare Society, Thanewala Bazar, GRW	Local			Raqia Riaz Arif Marshal Shahnaz Rohat	0301-3186875 0300-7414303
	Tanzeem Falah-e-Insaniat, 316-A Model Town, Gujranawala	Local			Hafiz Hamid Munir, Sajid Yousaf, Munawar-ur-Zaman	0333-8265983 0331-6478291 0333-8105585
	Swera Welfare Foundation , Chah Talianwala St. 5 Noshehra Road Gujranwala.	Local			Mushtaq Ahmad , Aziz ur Rehman, Ijaz Ahmad.	0300-6451782 0344-6051782
	Kawish Development Organization, Village Gondlawala, Tehsi & District Gujranwala	Local			Muhammad Arif, Usama Butt, Hafiza Zaib-un-Nisa	0300-4509831 0308-6409300 0345-4593593
	Al-Karim Welfare Association 625-DOHS Gujranwala Cantt.	Local			Rashid Ahmad Khan, Mohammad Ishaq Olikh, Maria Rashid	
	Al-Meezan Welfare Foundation,	Local			Ghulam Mohy ud Din Khushboo Khalid	0345-6566382 0304-6049296

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Hafizabad Road Gujranwala					
	Ghulam Hussain Memorial Welfare Society, Tatly Aali, Tehsil Noshehra Virkan Distt: Gujranwala.	Local			M. Ashfaq, M. Ali, Qasim Raza	0301- 7056812 0311- 7719393
	United Disability Aid, Sabz Mandi Road, Opposite Wapda Grid Station (D.C Colony) Shah Kot More, G.T.Road, Gujranwala.	Local			M. Ameen Mian Maqsood Ahmed	0300- 8413092
	Farooqi Welfare Foundation, Qila Dedar Sigh, GRW	Local			Fiaz Ahmed Farooqi Sarfranz Ahmed	0300- 6494436 0300- 6319779
	Abdul Haq Memorial Welfare Society, Mughal Chak Kalan	Local			Rana M. Aslam, Khurseed Ahmed Mehmood Al Hasan	0300- 6474336 0301- 6447796
	Life Line Welfare Organization, Sarfranz Colony, Gujranwala	Local			Muhammad Zubair, Muhammad Zarar, Muhammad Imran	0300- 6469656 0313- 7423042
	Sulemani Hair Dresser Welfare Society, Chowk Barkat Colony Shama Cinema Road Gujranwala	Local			Arif Hussain Minhas, Baba Faqeer Hussain, Haji Muhammad Shafiq	0333- 8154183
	Aman Welfare Society, Asif ColonyIbraheem	Local			M. Imtiaz Chohan,	0312- 9628398,

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Town, Noshehra Road, Gujranwala				M.Ashraf, M. Salelem	0300- 6437495
	Green Light Welfare Organization, Near City College, Urdu Bazar, Ahmed Market, Gujranwala	Local			Zeeshan Javaid Khan, M. Ali Aslam, Haroon Javaid	0322- 5560171 0324- 6424012, 0331- 8777106
	Karwan Khidmat- eKhaliq, Village Khabeki, Tehsil & District Gujranwala	Local			Syed Zia Ullah Shah Bukhari, Nasir Mehmood, Saif Ullah	0345- 6236598 0300- 7422356 0345- 6575110
	National Growth Institute, Bin Daud Super Store, Bagbanpura, Hafizabad Road, Gujranwala.	Local			Mehar M. Arshad, Usman Sikandar Warriach, Umair Mushtaq	0300- 6464071 0300- 8424292 0321- 7400461
	Young Peoples for Charity Organization, Muhammadi Plaza, Nowshera Road, Gujranwala	Local			Basharat Maqsood Khokhar, Adil Masih, Nasir Pervaiz Sindho	0300- 6481565 0310- 7138513 0343- 4705675
	NEWSHEHRA VIRKAN (UCDP No. 2)	Local				
	Association for Action and Sustainability (AAS) Nowshera	Local			Mian M. Idrees , Mian Jamil Hassan	0300- 7458789 055-6760406

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Virkan, Gujranwala.					
	Mubarak Welfare Society, Karial Road, Noshehra Virkan, Grw.	Local			Safdar Raza	055-6262933
	SEWA Foundation, Bhakranwali, Sheikhpura Road, Tehsil Nowshera Virkan.	Local			Shabbir Ali Syed Zawar Hussain	0333- 8190966
	Anjuman Rafah- e-Ama, Qila Mian Sing, Gujranwala	Local			Khalid Rasheed Akbar, M.Ilyas Mehar, Iqbal Rahi (M.Imran Bhatti)	0300- 9494218, 0344- 8427935 0301- 6601027 0300- 6497186
	Public Development Organization, Khan Musliman, Noshera Virkan.	Local			Zaib-Un-Nisa M. Farooq	
	Rural Development and health Welfare Society, Dera Mian Sahib Abid Abad Nowshehra Virkan	Local			Hafiz Abdul Sattar , Mian Abdul Rehman Amjad Munir	0301- 6282582
	Al-Mustafa Welfare Society, Bado Ratta Road, N. Virkan	Local			Bashrat Ali , M. Iqbal Naveed Ashiq	0301- 4431353 0301- 6652252
	Masali Ithad Welfare Society, Garmola Virkan,	Local			Muhammad Abdullah,	0300- 8010442

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Nowshera Virkan				Rizwan Ahmad, Muhammad Imran	0306- 6680495
	Pak Development Organization, Majjo Chak, Nowshera Virkan	Local			Rashid Mehmmod Warriach, Nasir Hussian, Maqaddas Amjad	0300- 4854466 0344- 6067130
	Millat Welfare Foundation, Tatlay Aali, Unique School System & Computer College, Tehsil N. Virkan	Local			Rana Ali Aslam, Rana M. Akram Muhammad Asif	0300- 8123700 0300- 8166942
	Urban Community Development Project Wazirabad.	Local				
	Shehri Ijtamai Traqiati Council, Wazirabad.	Local			M. Farooq Imran Rasool Butt.	0301- 8420715
	Al-Badar Social Welfare Society, Sohdrah, Wazirabad.	Local			Khadim Hussain Kaleem Rahat Naseem.	055- 66692633
	Al-Khidmat, Ghakhar, Tehsil, Wazirabad.	Local			Khalilur Rehman M. Ramzan	0300- 6475939
	Anjuman Behbood-e- Marizan, THQ Hospital, Wazirabad.	Local			Javed Allah Wala Imran Rasood Butt.	0300- 6283772 0301- 8420715
	Al-Falah Social Welfare Society,	Local			Parvez Ahmed Azeem	

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Saroke, Wazirabad.				Mureed Hussain	
	Tehsil Anti T.B Association, Wazirabad.	Local			Imran Rasood Butt , Mohammad Akram.	0301- 8420715
	Social Welfare Society, Gunianwala, Wazirabad.	Local			M. Iqbal Saeed Nazeer Ahmed	0334- 8056883
	Social Welfare Society Ladhywala Cheema, Wazirabad.	Local			Abdul Sattar Sarwar Malik Maqsood Ahmed	0333- 8101465
	Line Welfare Society Wazirabad City.	Local			Imran Sunny Ijaz Mehmood	0300- 6277833
	Al- Mustafa Welfare Society, Railway Road, Wazirabad.	Local			M. Ashfaq M. Sabir	
	Anjuman Islah- e-Naujawana Railway Road, Wazirabad.	Local			Kashir Butt Haji M. Shafiq	0300- 6120023
	Pak Blood Welfare Society Sohdra, Wazirabad.	Local			M. Farooq Shahid Yousaf	0300- 6202060
	Fatima Jinnah Welfare Society Mohalla Lakar Mandi, Street Fazal Sayin Wali, Wazirabad.	Local			Shabana Maryam, Rasheed Saleem	0313- 7578474 0312- 7351512

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Anjuman Islah-e-Moashra Railway Road, Wazirabad.	Local			Mohammad Ali Bawa Mohammad Asif.	0300- 9622962
	Al-Rehmat Welfare Society, Salhoky Chattha, Wazirabad.	Local			Rashid Bashir Chatta Zameer Hussain	0332- 3624444
	Al-Shifa Welfare Society, Sialkot Road, Karam Abad, Wazirabad.	Local			M. Asghar M. Nasir	0300- 6209631
	Rural Development Organization, Choura, Wazirabad.	Local			Nasir Mehmood. Amtal Rauf.	0301- 6678495
	United Welfare Society, Mohalla Haji Pura, Gakhar, Wazirabad	Local			Mohammad Nasir Mohammad Shafiq	0300- 9794313 0345- 6225313
	Roshan Pakistan Welfare Organization Ghakkhar Wazirabad.	Local			Rana Arshad Mehmood , M. Anwar Bhutta, Rana Noman Javed	0300- 7453853
	Equal Welfare Organization, St. 22 Jinnah Colony Wazirabad.	Local			M. Naseer Asi , M. Iqbal Mirza M. Shehbaz.	0300- 6247163
	Al-Haram Welfare Society, Dhonikey Tehsil Wazirabad	Local			M. Arif Zeeshan Ali Warraich	0300- 6223745 0334- 4665708
	Anti Narcotics Welfare Society Pathanwali Wazirabad.	Local			Mohammad Jameel , Mohammad Riaz, Haji	0300- 6221562

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
					Ahsan Ali Cheema	
	Hunar Gah Welfare Society, Ladhewala Cheema, Tehsil Wazirabad, Gujranwala	Local			Bushra Bibi, Sumera Bashir, Malik Shabbir Hussain	0306- 6442280 0301- 6427108 0307- 7208690
	Community Development Project Kamoki.	Local				
	Eminabad Welfare Society, Eminabad Kamoke.	Local			Qazi Bashrat Ali Abdul Latif Khokhar	03237196494
	Aqsa Welfare & Development Organization, Mohalla Islamabad, Kamoke	Local			Irshad Kausar Rashiada Fakhira	0323- 6349273 0307- 4566078
	National Council For Education & Welfare of Deaf & Mentally Retarded Children, Ghumman Wala Road, Kamoke.	Local			Mrs. Riaz Sheikh. Dr. Tahir Riaz Sh.	03006406430
	Anjuman Gousia, Chowk Gousia Thana Road, Kamoke.	Local			Sh. Mohammad Hafiz Mohammad Raiz.	03008644988
	Citizen Welfare Organization, Sabz Mandi, Kamoke.	Local			Ch: Mohammad Iqbal Hafiz Attiq ur Rehman.	03009644588

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Youth Welfare Drug Donation Society, Eminanabd.	Local			M. Farooq M. Malik	03007423661
	Sufi Welfare Society, Mansha Hospital, Kasoki Road, Kamoki.	Local			Dr. Sajjad Ahmad Tahir, Tahira Yasmeen, Muhammad Arshad	0300- 6367985, 0305- 6244985 0300- 6312935
	Anjuman Rafah- e-Ama Council Mohallah Kakky Zai Eminabad	Local			Syed Shujat Ali , Syed Bashir Hussain Rizvi Mehr Mohammad Rafique	0301- 6416132
	Al-Hafiz Welfare Society, Man Bazar Wahndo, Thesil Kamoke.	Local			Hafiz Muhammad , Abdullah M. Haroon	0301- 6637015 0301- 6622433 0300- 7493830
	Jinnah Welfare Organization, Illahi Hospital, Near Telephone Exchange Kamoke.	Local			Seth Mohammad Akram Mohammad Iqbal Mughal	03007463216
	Friends Development Organization Harpoki Kamoke.	Local			Abdul Khalid Qureshi Aziz-ur- Rehman	03016652577
	Parwarish Welfare Foundation, Colony Sadar- ud-Din More Eminabad,	Local			Ehsan Ullah Khan Firdous Ehsan	03006406609
	The Shelter Specials Welfare Society, The	Local			Arshad Ali Bhatti , M.	03074656830

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	House Kassoke Road Kamoke				Asif Dhadra, Shoaib Iqbal	
	Hanifa Ali Memorial Welfare Foundation, Moh: Faiz Madina, Kamoke	Local			Haji Lala M. Younis Abdul Rasheed	0301- 6889646 0345- 6232710
	Patients Welfare Society, THQ Hospital Kamoke	Local			Waqar Aziz Nawazish Ali	0300- 4180587
	Falahi Ittehad Welfare Foundation, Mandiala Tega, Tehsil Kamoki, District Gujranwala	Local			Muhammad Imran, Muhammad Asghar, Muhammad Bilal	0343- 5594982 0333- 4897228 0302- 6414745
	Sabran Memorial Welfare Foundation, Main Bazaar Mandiyala Taiga, Tehsil Kamoki, District Gujranwala	Local			Tayyab Raza , Tanveer Anjum Usman Ahmad	0300- 6180388, 0300- 6488064 0302- 9409565

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Focal Person for Disasters	Rana M. Jameel	055-9200049	055-9200043	0313-6469251
2	Commissioner	Zulifqar Ahmad Ghumman	055-9201326-27		03029788810
3	RPO				
4	DC	Sohail Ahmad Khawaja	055-9200051-52		03040920064
5	DPO				
6	ADCR	Ali Akbar Bhindar	055-9200034		03214348145
7	DEO Rescue 1122		055-9201392 055-9201385		0300-9657886 0300-8074275
8	DO Civil Defence		055-9230142 055-9200920		0301-4441223
9	SNA	Tanveer Abbas	055-9200051		03006414933
10	AC - Revenue	Mansoor Hussain	055-9201302		03009612942
11	AC -Sadar	Saira Haider	055-9200031		03006901354
12	AC -City	Kamran Hussain Mushtaq	055-9200029		0345-3925733
13	AC -WZR	Amir Mahmood	055-6608566		0333-8082775
14	AC -Kamoki	Quratul Ain	055-6813290		0300-8889858
15	AC –Noshehra Virka	Rashid Iqbal	055-6762888		0343-0570341
16	Tehsildar - WZR	Ch.Akram Tehsildar	055-6608566		0321-6425140
17	Tehsildar -Sadar	Abdur Rehman Dar	055-9239037		0301-6626726
18	Tehsildar -Kamoke	Ashiq Jutt Naib	055-6813290		0301-6424251
19	Tehsildar - Noshehra Virka	Rana Safdar	055-6760037		0300-6463139
20	Tehsildar -City	Moeen Rauf	055-9239037		0307-7737657
21	Tehsildar -				
22	Chief Officer –MC WZR	Shehzad Aslam			03007622159
23	Chief Officer –MC Noshehra Virka	Usman Saeed			03009855555
24	Chief Officer –MC Kamoke	Khuram Mehmood			03009629596
25	Chief Officer –MC Qia Didar Singh	Jhangir Butt			03226411646

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
26	Chief Officer -Ghakhar	Naveed Ashraf			03006274164
27	Chief Officer -	MC Alipure Chattah			
28	CEO Education	Afzal Shahid	055-9230105		03338101856
29	Chief Engr. Irrigation	Executive Engineer UCC	055-9200198-99		
30	XEN Irrigation	Executive Engineer UCC	055-9200198-99		
31	XEN Buildings	Executive Engineer, Building	055-9200169		
32	XEN Highways	Amir Yaqoob	055-9230069		03225667127
33	DO Agriculture	Dr Javaid	055-9200195		03364042053
34	CEO Health	Dr Farjaad	055-9200103		03009629528
35	DMO				
36	Incharge DHQ Hospital	Dr. Fazal u Raheem	055-9200110		0331-4649778
37	Veterinary Officer				
38	Wireless Control Room Police,Gujranwala		055-9200624		
39	Director Livestock & Dairy Development Gujranwala	Salim Anjam	055-3493545		0300-7007580
40	Secretary Red Crescent Gujranwala	Muhammad Bilal Inayat Butt	055-9200827		0333-8224122

ANNEX VIII (A): LIST OF VOLUNTEERS

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Tahir Nabeel			0300-5618028		
2	Usman Hassan			0312-8182847		
3	Waleed Khan			0300-7409003		
4	M.Shoaib Khan			0302-3042244		
5	M.Ihsan Khan			0300-8002544		
6	Shahid Iqbal			0300-5273300		
7	Uzair Khan			0312-7162121		
8	Hanzla Sarwar			0313-8121157		
9	Azam Waseem			0303-7020415		
10	M.Usman			0323-7558318		
11	Bilal Ahmed			0301-6641043		
12	Sheraz Khalid			0307-7236455		
13	Muhammad Usman Khan			0300-7172712		
14	Mohsin Khan			0305-6671772		
15	M.Ali Khan			0308-8567845		
16	Moheet Khan			0307-6369996		
17	M.Zohaib Khan			0300-7496504		
18	Abdul Razzaq Khan			0300-8004753		
19	M.Rizwan Khan			0300-8808990		
20	M.Ramzan			0331-6410633		
21	Sobia			0300-7023324		
22	Aqsa			0321-8316864		
23	Saima Shahzadi			0300-6087718		
24	Qudsia			0345-6626587		
25	Attiqah			0322-7398781		
26	Abdul Sattar			0301-6639140		
27	M.Sarwar			0333-8121156		
28	Kirn			0331-4665131		
29	Noreen Shakeel			0321-7161744		
30	Mehmood UL Hassan			0302-6609449		
31	Atif Rehman			0316-6677389		

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
32	M.abdullah			0323-7832271		
33	Ammad ud deen			0304-6042442		
34	Haseeb ahmad	34104-6842636-5	Ali pur chatha Gujranwala	0306-7609465		
35	Numan Tariq	34102-6989242-3	Wando kamoky Gujranwala	0317-7870690		
36	Usama Mehmood	34101-3951121-7	Gujranwala	0300-7472539		
37	Qasim Mehmood Khalid	34602-7740382-5	Ferooz wala road, kot habibullah, Gujranwala	0304-3551087		
38	Muhammad Nafay Dar	34101-3225661-9	Garden Town Gujranwala	0308-6425256		
39	Muhammad Mubeen	34101-5802152-3	Gurjakh Gujranwala	0309-2926315		
40	Haroon	34101-7629820-1	Hassan pura, Garjakh Road, Gujranwala	0313-7443238		
41	Muhammad Zaheer	34101-0134303-3	Garjakh Gujranwala	0341-4233648		
42	Zaid Bin Rashid	34101-9873687-3	Subhan town Near BISE Gujranwala	0308-6096014		
43	Muhammad zubair	35202-2612693-1	Sui gas road street no 7 faisal town Gujranwala	0305-6033503		
44	Muhammad Usman	34101-7176599-5	Gali walding wali, Garjakh Gujranwala	0305-1178910		
45	Muhammad Qasim	34101-2987320-3	Nosehra Road, Awan Chock Gujranwala	0308-1384821		
46	Muhammad Rubas Tahir	34101-2661127-9	Talwandi Musa Khan, Pasroor Road, Gujranwala	0310-7713239		
47	Mahad Mubeen	34101-4791303-1	Bagbanpura Gujranwala	0313-3602076		
48	Daood Raza	34101-6585217-1	Zahid Colony Gujranwala	0306-6142614		
49	Umar Farooq	34101-9519854-9	Chak Jaghna, Sialkot Road Jaghna, Gujranwala	0304-0080198		
50	Asghar Raza	34101-3083919-9	Model Tow Gujranwala	0308-9223148		

ANNEX VIII (B) : LIST OF SWIMMERS/DIVERS

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Faraz Hussain S/o Talib Hussain (LFR)	34102-2651570-1	Gali Maki Masjid Mehrab Wali Mohalla Ghulam Abad, Kamoke	0300-5599373		
2	Gulzar Ali S/o Mubarak Ali (SI)	34101-3191870-1	Kashmir Road Gali No. 8 Mohallah Barkat Colony Shaheena Abad GRW	0333-8161102		
3	Bilal Ahmed S/o Afzal Ahmed (LFR)	34101-7546358-7	P.O Adho Raye Qila Nohad Sing, Gujranwala	0341-9801122		
4	Rashid Iqbal S/o Arshad Iqbal (LFR)	34101-2763900-1	Main Bazar Mustafa Chowk, Loian Wala, Gujranwala	0300-6418867		
5	Aftab Sadiq S/o M. Sadiq (LFR)	34102-8725290-5	Mangat Kalar P.O Tehsil Kamoke, Gujranwala	0345-9491122		
6	Jawad Ahmed S/o M. Ramzan (EMT)	34101-1796364-7	PO Kot Bilal Bhade, Nowshera Virkan, Gujranwala	0315-6438067		
7	Rana Zaheer S/o Khushi Muhammad (EMT)	34403-8437238-1	Jokalian P.O Tehsil Phalia, District M.B. Din	0302-5762415		
8	Shahid Rasool S/o Ghulam Rasool (FR)	34101-9291149-1	Jandiala Bagh Wala PO Office Tehsil and District GRW	0300-7408441		
9	M. Umar S/o M. Ashraf Cheema (FR)	34101-2079349-7	Mohallah Qadri Near Masjid Faiz e Madina PO Wania Wala GRW	0345-6621179		
10	M. Asif S/o M. Ashraf (FR)	34101-8077302-3	Race Course Road, Street No.02 Mohallah Nawaz Colony GRW	0333-8137721		
11	Qaiser Mehmood S/o M. Sadiq (FR)	34101-2251252-9	Madni Road 30 feet bazaar street No.4 Mohallah Sardar Colony Khiali GRW	0345-6242870		
12	Kashif Bashir S/o M. Bashir (FR)	34101-3324534-1	Gali No. 5 Mohallah Sharif Pura Rahwali GRW	0334-4531625		
13	Zafar Yasin S/o Liaqat Ali (FR)	34102-9965066-5	Gali Bageeche Wala Mohalla Salamat Pura GRW	0300-4092298		
14	H. Umar Farooq S/o H. Abdul Jabbar (FR)	34101-6164485-1	Gali Munshi Aslam Wali Dhule Mohallah Sadiqe Akbar Town, GRW	0344-6103420		
15	Gulshad Ahmed S/o Ghulam Mustafa (FR)	34101-1027014-9	Bhakre Wali Kalan Tehsil & District GRW	0346-6071942		

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
16	Rana M. Wasim Akram S/o M. Akram (DR)	34101-8758291-5	Street No.6 Basharat Colony Morr Eminabad GRW	0341-9801122		
17	Shahbaz Ahmed S/o M. Saeed (FR)	34101-2275303-9	Kalar Abadi Pasroor Road Street No.9 Moohallah Rasool Nagar GRw			
18	Ali Kamran S/o M. Imran (FR)	34101-6350574-5	Rakh Kikran Wali Bazar No. 2 Ferozewala Pur Mohallah Usman Town, GRW			
19	Tamoor S/oM. Hanif (FR)	34101-2904988-1	Kot Shera P.O. Tehsil & District GRw			
20	Mujahid Ali Yousaf S/o M. Yousaf (FR)	34101-0285498-1	Near Lahori Chungi No. 1 Mohallah Mukhtar Colony GRW			
21	Khurram Shahzad S/o M. Boota Tahir (FR)	34101-3852990-9	Chichar Wali Street No.68 Mohallah Usman Park Fareed Town GRW			
22	M. Atif Khan S/o Habib Ullah Khan (DR)	33104-3654367-9	Gali No. 4 Race Course Mohallah Allah Baksh Colony GRW			
23	Arslan Mehmood S/o Tariq Mehmood (DR)	34101-7342098-1	Street No.6 Mohallah Rasheed Colony GRW			
24	M. Umar Farooq S/o Abdul Rehman (DR)	34101-4924342-9	Bakhar Boly Kalan PO Tehsil & District GRW			
25	Waqar Ali S/o Faqeer Sian (DR)	34101-0650682-3	Bhatti Bando PO Tehsil & District GRW			
26	Hassan Abdullah S/o M. Ashfaq (DR)	34101-8022874-9	Kotli Bakha P.O Sohian Tehsil & District GRW			
27	Umar Shahzad S/o Azmat Ullah (FR)	34601-6993702-7	Wadala Sandhuan PO Tehsil Daska District Sialkot			
28	Raqib Ali S/o Amanat Ali (FR)	34104-8517317-9	Ghakhar Town Committee Mohala Noor Pora Tehsil Wazirabad District GRW			
29	Toseeq Haider S/o Asjid Farooq (FR)	34104-4599762-1	PO Ghakhar Chack Sangta Tehsil Wazirabad District GRW			
30	Muneeb Arif S/o M. Arif Bhatti (FR)	34104-7431611-5	Kot Anayat Khan PO Tehsil Wazirabad District GRW			
31	M. Qasim S/o Maqbool Ahmed (FR)	34102-3588940-5	Machrala PO Eminabad Tehsil Kamoke District GRW			

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
32	M. Usman S/o M. Hanif (FDR)	35401-6278743-1	PO Sheikhpura Baidad Tehsil Muridke District Sheikhpura			
33	M. Yasir S/o M. Aslam (FR)	34101-9458567-5	PO Ladhe Wala Goraya Tehsil & District GRw			
34	M. Bilal S/o M. Latif (FR)	34102-2049399-7	Tatle Ali Road Gali No. 01 Sadar Abad Kamoke			
35	M. Bashir S/ O M. Jameel (FR)	34103-7211258-5	PO Mari Bindran Tehsil Nowshera Virkan Gujranwala			
36	Adnan Ali S/o Akhtar Ali (FR)	34102-3588940-5	Tatle Hakeem Haider Ali PO Baig Pur Tehsil Nowshera Virkan District Gujranwala			
37	Jahanzaib S/o M. Anees Khan (FR)	34101-0691219-7	Baware Dhak Wale PO Qila Didar Sing Tehsil & District GRW			
38	Zulfiqar Ali S/o M. Farooq (FR)	34101-0939736-1	Ratta Road Street No.03 Mohallah Saleem Colony GRW			
39	Sajjad Manzoor S/o Manzoor Ali (FR)	34101-6415201-5	Dhate Wali PO Ladhe Wala Goraya Tehsil & District GRW			
40	Rana Sufian Zafar S/o Zafar Hussain Ishtiaq (FR)	34102-5054605-5	Maju Chak P.O Nowshera Virkan District GRW			
41	Waseem Akram S/o M. Akram (FR)	34104-2460504-5	Manzoor Abad Muridke PO Tehsil Wazirabad District GRW			
42	Imran Aslam S/o M. Aslam (LTV)	34101-2503696-1	Main Bazar No. 01 Faqeer Pura Gali No. 13 Mohallah Kot Habib Ullah GRW			
43	M. Azeem S/o Rehmat Ali (LTV)	34101-2491959-5	Sialkot Road, Bego Pura PO Fatomand Tehsil & District GRw			
44	M. Zahid S/o Munir Ahmed (LTV)	34101-2407486-1	Gali Muhallah 2 Slaeem Colony Ratta Road PO Wahdat Colony GRW			
45	M. Irshad S/o M. Latif (LTV)	34102-0426987-3	Dalian Wali PO Wahndo Tehsil Kamoke District GRw			
46	M. Afzal S/o M. Yousaf (LTV)	34101-1592879-3	Kotli Macharawan PO Ferozewala Tehsil & District GRW			
47	Mohsin Hassan S/o Mubarak Ali (LTV)	34101-9082632-1	Kikran Wali, Toke Wala Bazar Ferozewala Road, GRw			

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
48	Shan Ali S/o Abdul Hameed (LTV)	34101-9507565-5	Street No. 3 Khalid Street Mohallah Fareed Town, GRW			
49						
50						
51						
52						
53						
54						

ANNEX IX: 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-79	Nisar Ahmad Cheema	PML-N		PP-51	Mrs. Tallat Manzoor Cheema	PML-N	
NA-80	Chaudhary Mehmood Bashir Virk	PML-N		PP-52	Ch. Aadil Bakhsh Chattha	PML-N	
NA-81	Khurram Dastgir Khan	PML-N		PP-53	Bilal Farooq Tarar	PML-N	
NA-82	Usman Ibrahim	PML-N		PP-54	Imran Khalid Butt	PML-N	
NA-83	Zulfiqar Ahmad	PML-N		PP-55	Muhammad Nawaz Chohan	PML-N	
NA-84	Azhar Qayyum Nahra	PML-N		PP-56	Muhammad Taufeeq Butt	PML-N	

	PP-57	Chaudhary Muhammad Ashraf Warraich	PML-N
	PP-58	Abdul Rauf Mughal	PML-N
	PP-59	Chaudhary Waqar Ahmad Cheema	PML-N
	PP-60	Qaisar Iqbal	PML-N
	PP-61	Akhtar Ali Khan	PML-N
	PP-62	Aman Ullah Warraich	PML-N
	PP-63	Chaudhary Muhammad Iqbal	PML-N
	PP-64	Irfan Bashir	PML-N

ANNEX X: LOCAL GOVERNMENT

District and Tehsil Level

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	CEO Metropolitan Corporation Gujranwala	Gujranwala		9230027	0300-4186730
2	CEO MC Kamoke	Gujranwala			0300-9629596
3	CEO MC Wazirabad	Gujranwala			0300-6264077
4	CEO MC Qila Didar Singh	Gujranwala			0304-6189545
5	CEO MC Ghakkar	Gujranwala			0324-6264220
6	CEO MC Nowshera Virkan	Gujranwala			0321-9811111
7	CEO Tehsil Concil Wazirabad	Gujranwala			0300-6264077
8	CEO Tehsil Council Nowshera Virkan	Gujranwala			0300-4855545
9	CEO Tehsil Council Sadar Gujranwala	Gujranwala			0300-7407762
10	CEO Tehsil Council Kamoke	Gujranwala			0322-4444164
11	CEO Town Committee Alipur Chattha	Gujranwala			0333-4711095

Town Level

S#	Tehsil	TC	Chair	Chair Contact	Vice Chair	VC Contact
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
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26						
27						
28						
29						
30						
31						
32						

S#	Tehsil	TC	Chair	Chair Contact	Vice Chair	VC Contact
33						
34						
35						
36						
37						
38						
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42						
43						
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45						
46						

ANNEX XI: DATA COLLECTION PROFORMAS

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 Proforma

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 ReposrtingProforma

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 Proforma

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 Proforma

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 proforma

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.
----	-------------	-------------	-----------------	--------------------	------------------------------	----------------------	-----------------------------------

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: 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	33,650
3	Jhang Division	Jhang Flood Protection Bund	71000
4	Qadirabad Barrage Division	Left Marginal Bund	64938
5	-do-	Right Marginal Bund	106300
	Total in feet.		296888
	Total in Miles.		56.22
BAHAWALPUR ZONE			
1	Punjad Head works Division	Right Marginal Bund	70554
2	-do-	Left Marginal Bund	65169
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	115300
	Total in feet.		266,023
	Total in Miles.		50.23
MULTAN ZONE.			
1	Trimmu Division	Right Marginal Bund	54,000
2	-do-	Left Marginal Bund	46,000
3	Sulemanki Division	Left Marginal Bund	47,500
4	-do-	Right Marginal Bund	63,000
5	Shuja Canal Division	Right Bank of Shujabad Branch	48,000
6	-do-	Akbar Flood Bund	21,710
	Total in feet.		280,210
	Total in Miles.		53.07
D.G.KHAN ZONE			
1	Taunsa Barrage	Right First Defence Bund	23,500
2	-do-	Left Marginal Bund	133,200
3	-do-	Shahwala Groyne	66,000
4	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	188000
5	-do-	Doaba Flood Bund.	19000
6	-do-	Khangarh Flood Bund	153,000
7	-do-	Shehr Sultan Flood Bund	134000
8	Jampur Construction Division	Jampur Flood Bund	170720
9	-do-	Laskani Flood Bund	26365
	Total in feet.		913,785
	Total in miles		173.06
LBDC(IP)			

1	Balloki Head works Division	Left Marginal Bund	28,350
2	do	Right Marginal Bund	26,500
		Total in Feet	54,850
		Total in miles	10.38
LAHORE ZONE			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	20,000
2	do	Rayya flood Bund	40,000
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	11,250
6	Marala Division UCC	Left Marginal Bund	68,639
7	do	Right Marginal Bund	6316
8	Lahore Drainage Div.	Shahdara Flood Protection Bund	15,750
		Total in Feet	169,295
		Total in miles	32
		Grand total in miles	

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	Punjnad 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
<u>D.G.KHAN ZONE</u>			
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
<u>LBDC (IP)</u>			
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
<u>LAHORE ZONE</u>			
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
<u>PMO BARRAGES</u>			
1	Jinnah Barrage	-do-	20,000
	Total in feet.		20,000
	Total in miles		3.79
	Grand Total (in miles)		350.76

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	9.5	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	11	1	1.5	2	4	6
	Qadirabad	9	1	1.5	2	4	6
	Trimmu	8.75	1.5	2	3	4.5	6
	Punjnad	7	1.5	2	3	4.5	6
RAVI	Jassar	2.75	0.5	0.75	1	1.5	2
	Ravi Syphon	4.25	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
	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	
SUTLEJ	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XV: 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.