

# DISTRICT DISASTER MANAGEMENT PLAN 2020

Division: Sargodha

District: Khushab



DDMA Meeting



Locust Visit



e.g Floods in 2014



Mock Excrise 2020

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## Flood

Estimated number of people at risk of **hill torrent** in 2020

33%

of total population

Risk: High

## Drought

Estimated number of people at risk of Floods in 2020

40%

of total population

Risk: Low

## Earthquake

Estimated number of people at risk of earthquake in 2020

80%

of total population

Risk: Low

## Epidemic

Estimated number of people at risk of epidemic in 2020

33%

of total population

Risk: Medium

## EXECUTIVE SUMMARY

River Jhelum enters in District Khushab near village Balwal and after covering a distance of about 95 miles it enters District Jhang near village Khai Kalan Tehsil Noorpur Thal.

River Jhelum runs on its East and the Katcha area along the river is mainly hit by the floods. Flood warnings are received from Mangla and Rasul Head Works specifying discharge in the Jhelum River.

The District was affected by heavy rains / floods in the years 1976, 1986, 1992, 1995, 1997, 1999, 2010, 2011 and 2014 and by Hill Torrents in 2015 due to heavy Rains in the last week July, 2015.

District Khushab is mainly affected due to flood water in river Jhelum and Hill torrents in the hilly area of Soon valley and Mohar area.

Almost 54 villages of District Khushab, 42 of Tehsil Khushab and 12 of Tehsil Noorpur are vulnerable to flood in river Jhelum while 16 villages likely to be affected by hill torrents

There are many natural and human induced hazards that threaten to affect the lives and livelihoods

## 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	1281299
2.	No. of Tehsils	04
3.	No. of UCs	48
4.	No. of Revenue Estates	318
5.	Population Density (people per km <sup>2</sup> )	
6.	Family Size	7.1
7.	Pop Growth Rate	1.84
8.	PCI	39(Multi Poverty Index)
9.	District GDP/Annual Income	10,000
10.	Poverty Rate	74 /1000
11.	Patient/Doctor Ratio	278 /1000
12.	AMR	
13.	IMR	74 /1000
14.	MMR	278 /1000
15.	Literacy Rate	54%
16.	Global Acute Malnutrition (GAM) rate	
17.	Severe Acute Malnutrition (SAM) rate	
18.	Percentage of population having access to clean drinking water	99.9 %
19.	Annual Crime	3908

### Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1,281,299	638,071	643,181	417663		

Source/Note: Click here to enter text.

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

Source/Note: Click here to enter text.

### Area (in acres)

Total Area of District in Km <sup>2</sup>	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
6511 sq. KM	1617481		

### Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
54%	67%	33%	82%	62%	70%	38%

Source/Note: Click here to enter text.

## Government Schools

		Schools	Enrollment
Total/ Overall		952	157695
Boys	Primary	420	57154
	Middle	72	19483
	High/Higher	80	12218
Girls	Primary	267	45964
	Middle	49	13227
	High/Higher	64	9649
Co-Education	Primary	0	0
	Middle	0	0
	High	0	0
Special Education		5	625

## Private Schools

		Schools	Enrollment
Total/ Overall		519	76500
Boys	Primary	0	Boys
	Middle	0	
	High/Higher	85	
Girls	Primary	0	Girls
	Middle	0	
	High/Higher	63	
Co-Education	Primary	21	Co-Education
	Middle	-	-
	High	-	-
Special Education			

## Higher/Technical/Professional Education (Public &amp; Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	18	1	2	9	4	32
No of Students	16142	3200	520	2010	850	22,202

## Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	89	5		16	110
Annual OPDs	1231327	1039751			2771278
No of beds	148	385		200	533
Doctors Available	60	107			167
Paramedical staff	180	50			230
Ambulances available	04				04
Mobile Medical Units					

**Livestock:** Small Animals (goats, sheep etc.):

Big Animals (cows, buffalos, camel etc.)

## 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
56%	11%	1%	1%	7%	5%	2%	4%	2%	5%	6%

## 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	1992	0	0	56	0			

2	1995	0	0	50	0			
3	1997	0	0	53	0			
4	2007	0	0	0	0			
5	2008	0	0	0				
6	2009	0	0	0				
7	2010	0	0	39				
8	2011	0	0	0				
9	2012	0	0	0				
10	2013	0	0	0				
11	2014	0	0	54				
12	2015	0	0	13				
13	2016	0	0	0				
14	2017	0	0	0				
15	2018	0	0	0				
16	2019	0	0	0				

### Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	2010	Droughts	0	0	Tehsil Noorpur Thal Areas
2	2011	Droughts	0	0	Tehsil Noorpur Thal Areas
3	2012	Droughts	0	0	Tehsil Noorpur Thal Areas
4	2013	Droughts	0	0	Tehsil Noorpur Thal Areas
5	2014	Droughts	0	0	Tehsil Noorpur Thal Areas
6	2015	Droughts	0	0	Tehsil Noorpur Thal Areas
7	2016	Droughts	0	0	Tehsil Noorpur Thal Areas
8	2017	Droughts	0	0	Tehsil Noorpur Thal Areas
9	2015	Hill Torrents	0	0	Tehsil Quaidabad & Khushab Areas
10					

### General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Saegodha is vulnerable to Flood & Environment Khushab is vulnerable to Flood.
Topographical Features	Topographically, district Khushab is part of the <del>sandy</del> which lies between two high banks of Indus and Jhelum rivers. most of the district area lies in the desolate plain of the Thal desert which is generally the part Punjab plains. District Khushab is covered by thick Alluvium comprising of clay and sand layers.
Weather/Climate pattern	e.g. max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. max 50 c & mini 4 c temperature is observed. There is rainfall about 9 inch / annum
Major Rivers	Name of river, Jhelum
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Flood levels 0
Motorway/Highway	Vulnerable points of motorway/highway 0

Railways	Vulnerable points of Railway 0
Geological features	e.g. fault line, mountainous areas etc. low lying Kacha, agriculture area, sandy dunes 0

**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
					X: Y:	
					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
KCP Atomic Plant		32.071804, 72.188699	Grid Station	Khuhsab City	X: 32.295720, Y: 72.278090
PAF Base Skesar		32.545863, 71.929529			X: Y:
		X: Y:			X: Y:

**Airport / Landing Strips**

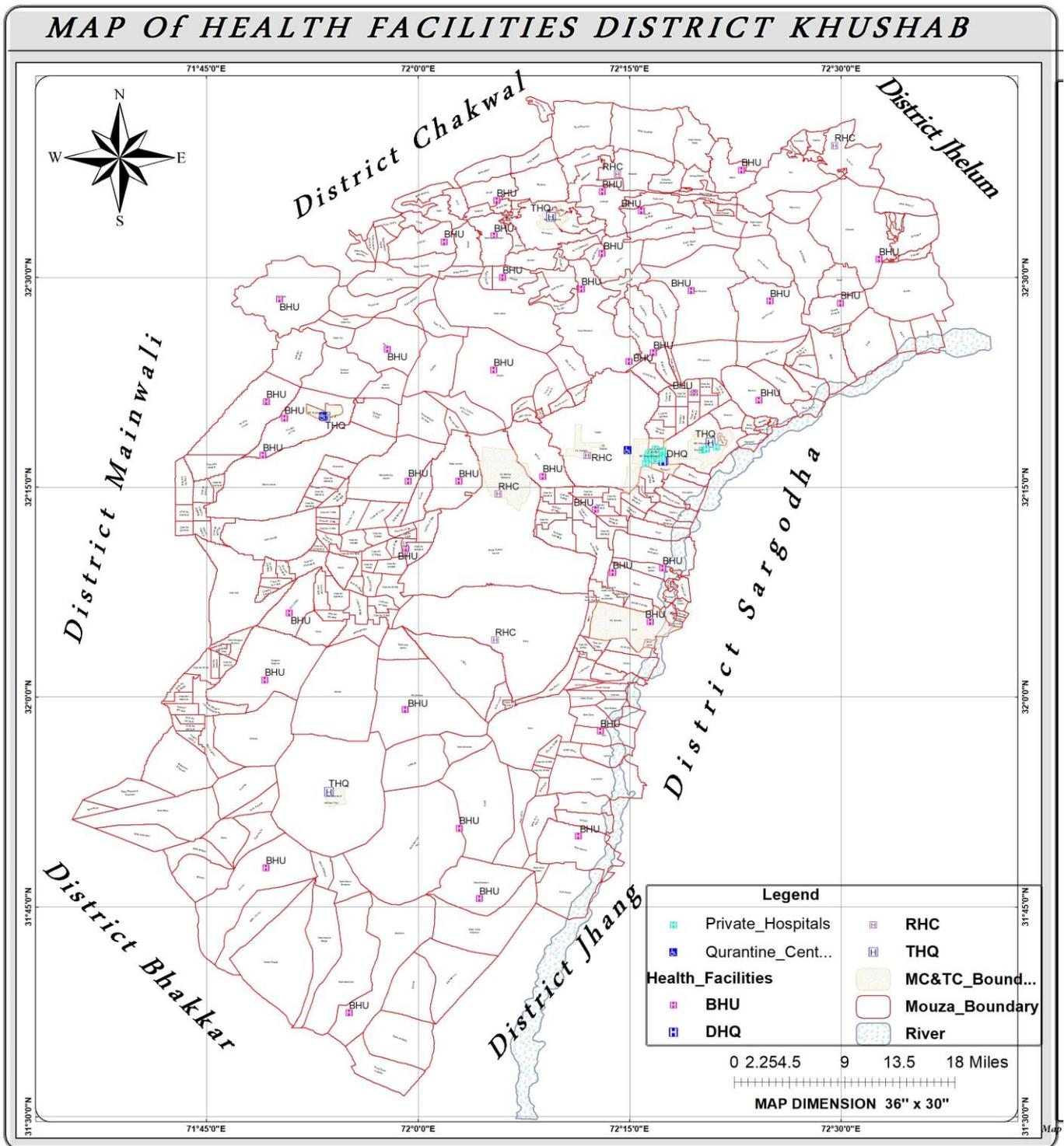
Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
		X: Y:			X: Y:
		X: Y:			X: Y:

		X: Y:			X: Y:
		X: Y:			X: Y:

## Govt. storage facilities/warehouses in the district

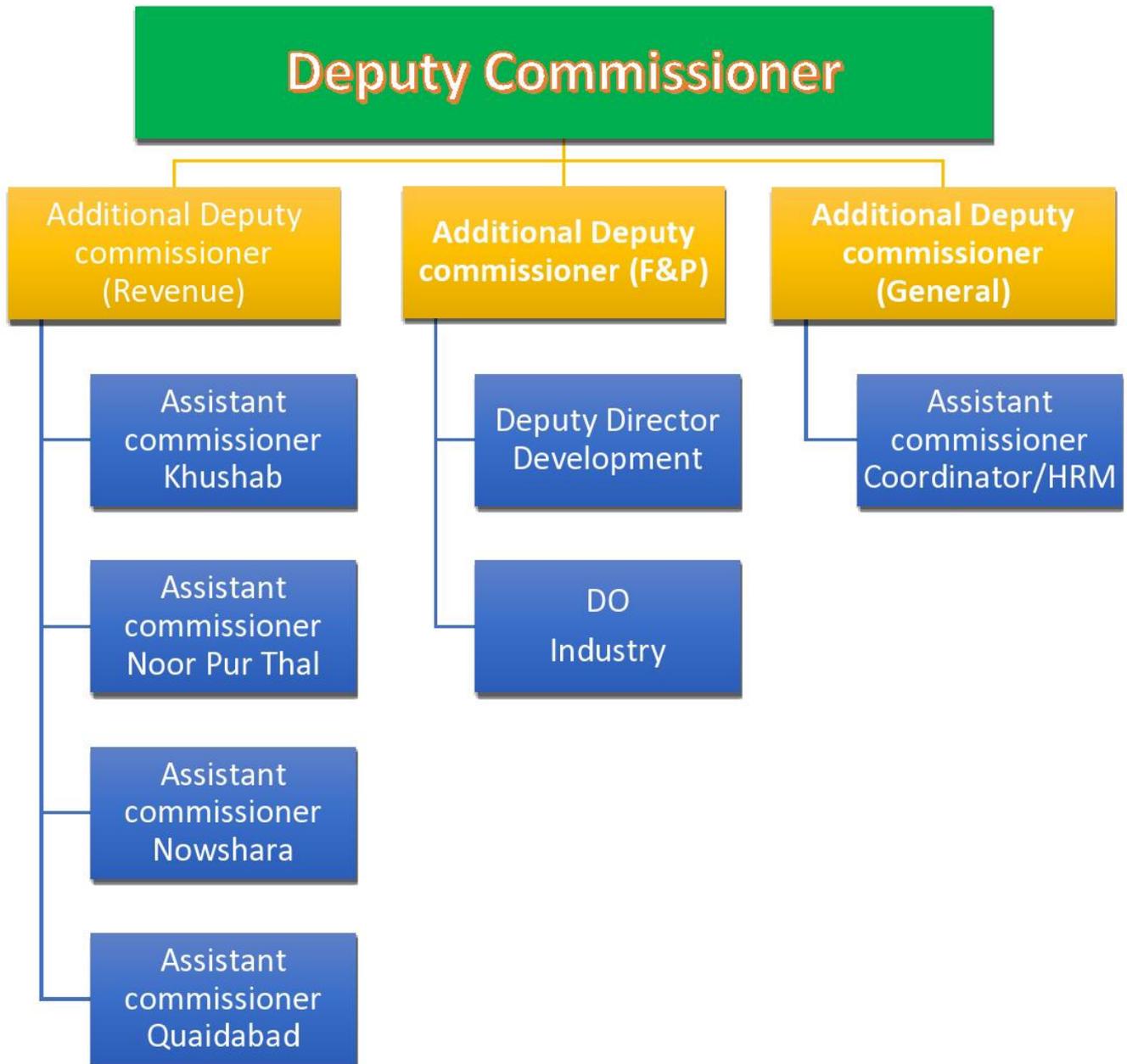
Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
PDMA-Flosspan	1000	Jahurabad 32.299886, 72.281035			X: Y:
		X: Y:			X: Y:

District baseline/reference map



# COORDINATION MECHANISM

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



**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 flood prone 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:
  - Deputy Commissioner (Chairperson)**
  - District Police Officer
  - Additional Deputy Commissioner (Rev)
  - Two Elected Representatives to be nominated by the Chair
  - Representative of Pak Army
  - Two Representatives of NGOs/Civil Society to be nominated by the Chair
  - Additional Deputy Commissioner (General)
  - Additional Deputy Commissioner (F&P)
  - XEN Buildings
  - 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)**

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

If Pak Army will establish their camps the following sites are proposed to facilitate the flood affectees, Heads of the institutions are required to provide the all out of help.

<u>Sr,N</u> <u>o</u>	Name of Collage	Name of Principal	Cell No.
01	Govt. Boys Technical High School, Jauharabad.	Malik Habib Ullah.	0301-6341516

### Volunteer Network

*E.g. how many registered volunteers, how to activate them, who will coordinate with them etc.*

# RISK ANALYSIS

## 1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	5	3	15
Urban Flooding	3	2	6
Flash Floods	2	3	6
Hill Torrent	2	3	6
Glacial Lake Outburst Flood (GLOF)			
Landslide			
Tornado			
Earthquake	3	3	9
Drought	4	3	12
Epidemic	3	3	9
Fire Incidents	3	3	3
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

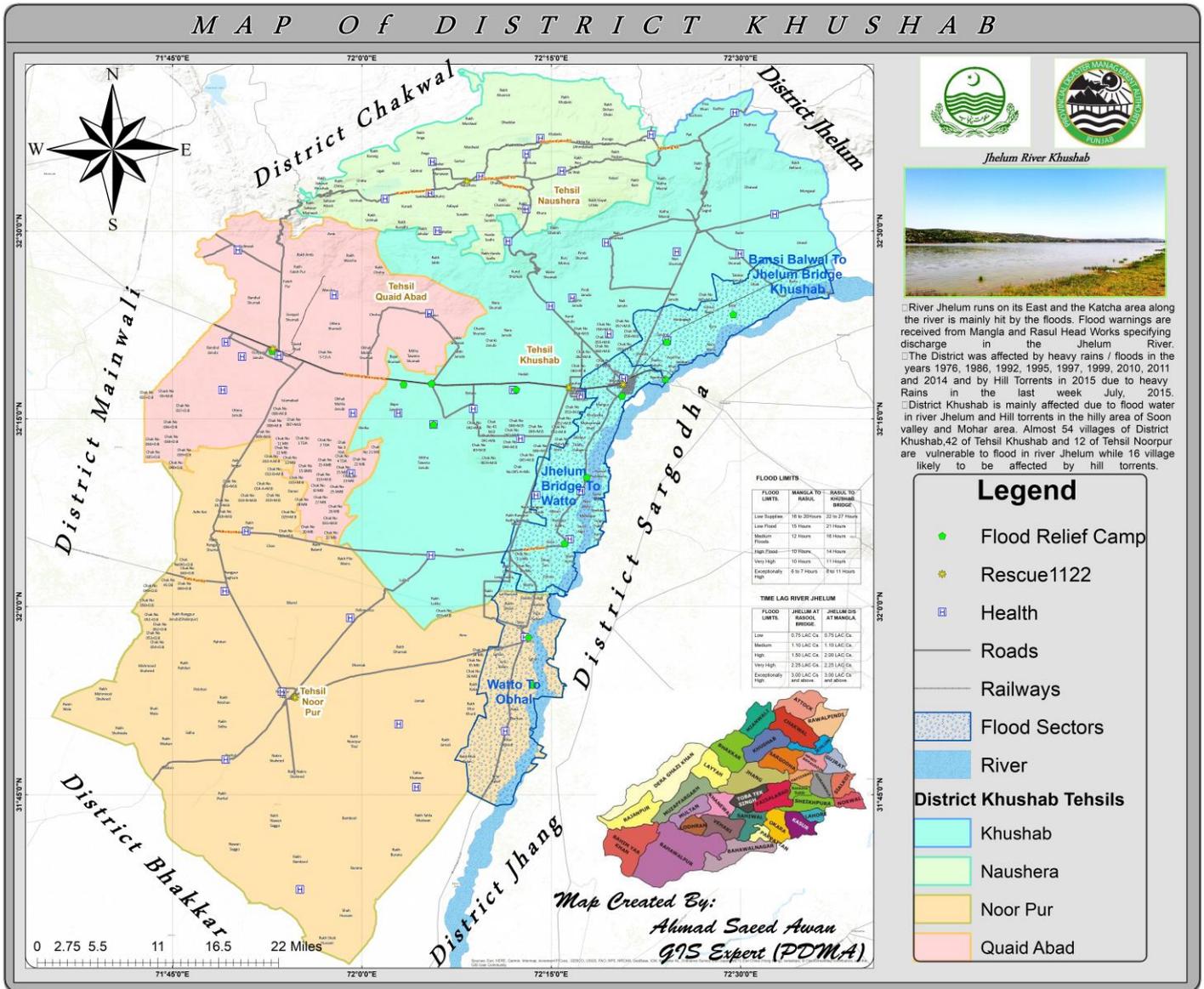
## 2. Hazards

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

## 3. Response & Operational Capacity

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

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



Jhelum River Khushab

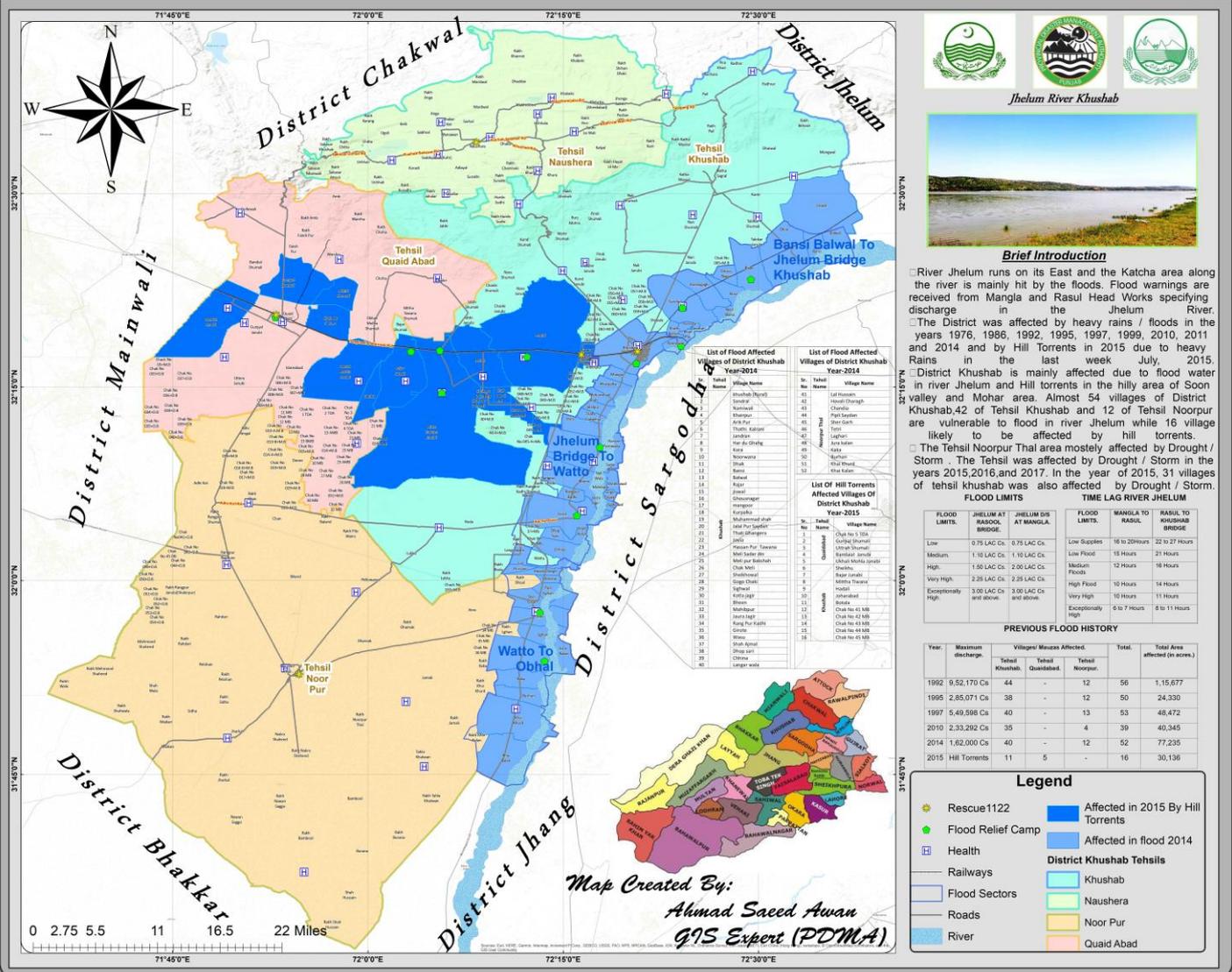


□ River Jhelum runs on its East and the Katcha area along the river is mainly hit by the floods. Flood warnings are received from Mangla and Rasul Head Works specifying discharge in the Jhelum River.

□ The District was affected by heavy rains / floods in the years 1976, 1986, 1992, 1995, 1997, 1999, 2010, 2011 and 2014 and by Hill Torrents in 2015 due to heavy rains in the last week July, 2015.

□ District Khushab is mainly affected due to flood water in river Jhelum and Hill torrents in the hilly area of Soon valley and Mohar area. Almost 54 villages of District Khushab, 42 of Tehsil Khushab and 12 of Tehsil Noorpur are vulnerable to flood in river Jhelum while 16 villages likely to be affected by hill torrents.

MAP OF DISASTER AFFECTED AREAS OF DISTRICT KHUSHAB YEAR (2014-15)



**Brief Introduction**

□ River Jhelum runs on its East and the Katcha area along the river is mainly hit by the floods. Flood warnings are received from Mangla and Rasul Head Works specifying discharge in the Jhelum River.

□ The District was affected by heavy rains / floods in the years 1976, 1986, 1992, 1995, 1997, 1999, 2010, 2011 and 2014 and by Hill Torrents in 2015 due to heavy rains in the last week July, 2015.

□ District Khushab is mainly affected due to flood water in river Jhelum and Hill torrents in the hilly area of Son valley and Mohar area. Almost 54 villages of District Khushab, 42 of Tehsil Khushab and 12 of Tehsil Noorpur are vulnerable to flood in river Jhelum while 16 village likely to be affected by hill torrents.

□ The Tehsil Noorpur Thal area mostly affected by Drought / Storm. The Tehsil was affected by Drought / Storm in the years 2015, 2016, and 2017. In the year of 2015, 31 villages of tehsil khushab was also affected by Drought / Storm.

**FLOOD LIMITS**

FLOOD LIMITS	JHELMU AT RASUL BRIDGE		JHELMU AT MANGLA BRIDGE		FLOOD LIMITS		MANGLA TO RASUL		RASUL TO KHUSHAB BRIDGE	
	Low	High	Low	High	Low	High	Low	High	Low	High
Low	0.75 LAC Cc	3.75 LAC Cc	1.10 LAC Cc	1.10 LAC Cc	16 to 20hours	16 to 20hours	23 to 27 hours	23 to 27 hours	23 to 27 hours	23 to 27 hours
Medium	1.10 LAC Cc	1.10 LAC Cc	2.20 LAC Cc	2.20 LAC Cc	12 Hours	12 Hours				
High	2.20 LAC Cc	2.20 LAC Cc	3.00 LAC Cc	3.00 LAC Cc	10 Hours	10 Hours				
Very High	3.00 LAC Cc	3.00 LAC Cc	and above	and above	6 to 7 Hours	6 to 7 Hours				
Exceptionally High	and above	and above	and above	and above	Exceptionally High	Exceptionally High				

**PREVIOUS FLOOD HISTORY**

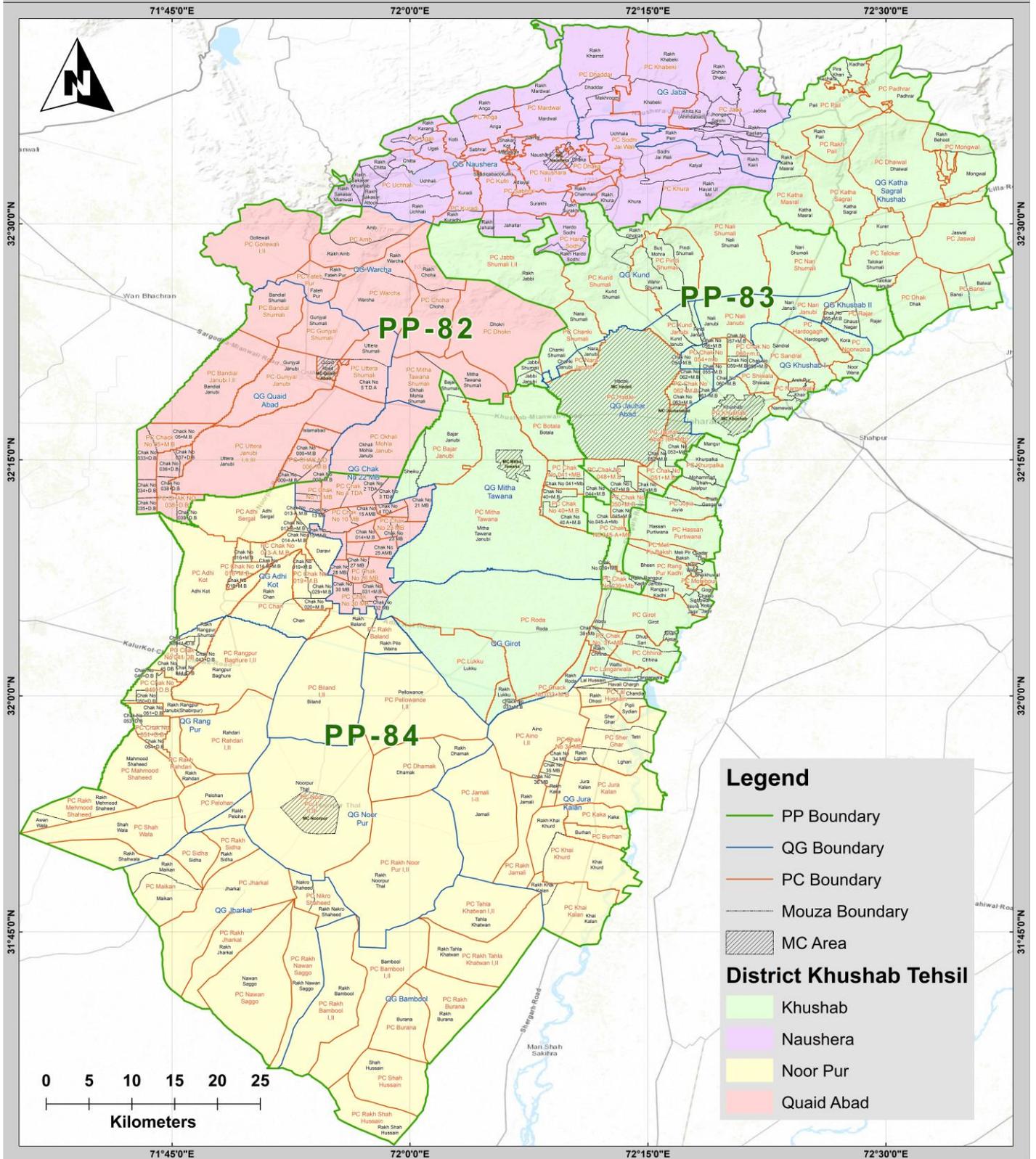
Year	Maximum discharge	Villages/ Mozas Affected			Total	Total Area affected (in acres)
		Tehsil Khushab	Tehsil Quaidabad	Tehsil Noorpur		
1992	9,52,170 Cc	44	-	12	56	1,15,677
1995	2,85,071 Cc	38	-	12	50	24,330
1997	5,49,598 Cc	40	-	13	53	48,472
2010	2,33,292 Cc	35	-	4	39	40,345
2014	1,62,000 Cc	40	-	12	52	77,235
2015	Hill Torrents	11	5	-	16	30,136

**Legend**

- Rescue1122
- Flood Relief Camp
- Health
- Railways
- Flood Sectors
- Roads
- River
- Affected in 2015 By Hill Torrents
- Affected in flood 2014
- District Khushab Tehsil
- Khushab
- Naushera
- Noor Pur
- Quaid Abad

Map Created By:  
Ahmad Saeed Awan  
GIS Expert (PDMA)

# District Khushab PP Constituencies (Final)





## 4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	16	16		
OBM	25	23	2	
De-watering sets				
Navigators				
GIS devices				
Life Jackets	260	260		
Life Ring	52	52		
Life Lines				
Scuba diving suit with complete accessories	2	2		
First Aid Kits				
Rescue Bag	90	90		
Safety Harnesses	07	07		
Ambulances	11	11		
Fire Brigade	2	2		
Water Tanks / Bouzers	1	1		
Extendable Ladders	3	3		
Hydraulic Cutter				
Sonar Rader				
Jumping Sheet	3	3		
Dumpers				
Excavators				
Cranes				
Bulldozer				
Boat Carrier/Trolleys	4	2	2	
Pickups/Jeeps/4x4 vehicles/Mini Trucks	1	1		
Searchlight	2	2		
Tent	11	11		
Mosquito Net				
Plastic Mat				
Blanket				
Any other main relief/rescue equipment				
Generator Sets	3	3		
Gas-Cutters				
Sonar Radars				
Scuba Diving Set	2	2		
Navigator/GPS Tracker				
Hydraulic Cutter				
Floating Rope				

## 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	<ul style="list-style-type: none"> <li>i. Maintenance of flood Protection Bunds</li> <li>ii. Awareness Raising</li> <li>iii. Community Based Disaster Risk Reduction</li> <li>iv. Emergency Response Kits at Village Level</li> <li>v. Periodic Multi Hazard Vulnerability and Risk Assessment (MHVRA) studies</li> <li>vi. Enforcement of Flood Plain Regulations</li> <li>vii. Clear roles and responsibilities in pre flood, during flood and post flood scenarios</li> <li>viii. Identification of evacuation and relief sites</li> <li>ix. Implementation of PDMA guidelines regarding flood</li> <li>x. Establishment of Control Rooms by all concerned</li> <li>xi. Regular DDMA meetings</li> <li>xii. Rescue 1122 to submit their plan including CERT team deployment</li> <li>xiii. Readiness certificates submission by all concerned</li> <li>xiv. Timely updation of list of private boats and volunteers by ACs, Rescue, Civil Defense, Social Welfare etc</li> <li>xv. Pre flood/moonson contingency preparation by all concerned as per PDMA requirements</li> <li>xvi. Timely inspection of sites for relief camps and ensuring their suitability</li> <li>xvii. Timely vaccination of flood prone areas by health and Livestock department</li> <li>xviii. Updation of list of relief camp incharges and sector incharges etc</li> <li>xix. Inspection of buildings during and after flood</li> <li>xx. XEN Highway to ensure breaches of respective roads</li> <li>xxi. Mobile teams of Health and Livestock department</li> <li>xxii. Disconnection of electricity of flood areas and timely restoration</li> <li>xxiii. Involving NGOs in all stages of flood preparation</li> <li>xxiv. Ensuring availability of Ata by Food Department</li> <li>xxv. Arrangement of fodder, husk, seeds, pesticides, fertilizers and medicines in adequate quantity by Livestock and Agriculture departments</li> <li>xxvi. Inspection of Flood Bunds and structures</li> <li>xxvii. Arrangement of Mock Exercise by Rescue 1122 involving all stakeholders</li> <li>xxviii. All department will ensure that the guide lines for prevention, mitigation, preparedness and response measures as lay down by national authority and provincial authority are followed in latter at spirit.</li> </ul>	Irrigation Revenue DDMA Recue 1122 Civil Defense Social welfare Health Education Livestock & Dairy Development Department Agriculture Department Buildings department Highway Department FESCO Police Department MCs DFC Information Department

	xxix. All Departments will ensure the implementation of national, provincial and district plan and will play their role as mentioned in this plan.	
Earthquake	<ul style="list-style-type: none"> <li>i. Compliance of seismic provisions of Building Codes of Pakistan as a minimum standard for existing and new construction</li> <li>ii. Conduction of Evacuation Mock Drills at public and private institutions.</li> <li>iii. Deceleration of dangerous buildings</li> <li>iv. Multi Hazard Vulnerability and Risk Assessment (MHVRA) study</li> <li>v. Earthquake emergency related Rescue equipment and machinery are available and are in functional condition</li> <li>vi. Periodic mock exercises have been conducted to test equipment and machinery.</li> <li>vii. Also ensure that human resources equipped with desired skills required to deal with earthquake emergencies are available in the district.</li> <li>viii. Various drills and exercises along with awareness campaigns in community, schools and colleges</li> </ul>	MCs C &W Education & Higher Education Rescue 1122 Civil Defense Education Department Health Department DDMA Information Department
Drought	<ul style="list-style-type: none"> <li>i. Encourage high efficiency irrigation practices by use of drip Bubbler, sprinkler irrigation etc.</li> <li>ii. Desertification trends be dealt with practices like sand dune fixation and shelterbelts plantations.</li> <li>iii. Protection Walls</li> <li>iv. Stoppage &amp; reduction of irrigation induced seepage salinity &amp; water logging, in the whole Thal area, which due to irrigation induced seepage of Chashma – Jhelum Link Canal (Non-lined Kacha Canal in the sandy area of Thal desert)</li> <li>v. Awareness of drought mitigation technologies, actions and interventions for farmers</li> <li>vi. Introduction of drought and heat resistant arid zone crops that are tolerant to reduced rain spells and are less prone to insects and pest attacks.</li> <li>vii. Measures to save livestock.</li> <li>viii. Multi Hazard Vulnerability and Risk Assessment (MHVRA) study</li> <li>ix. Drought Contingency Plans at Tehsil and District level</li> <li>x. Clear roles and responsibilities for drought mitigation and response</li> <li>xi. Encouraging cultivation of drought resistant crops</li> </ul>	Agriculture Department Forest Department/civil Society Organizations Water Management Forest Department irrigation live stock DDMA Information Department
Locust	<ul style="list-style-type: none"> <li>i. Ensuring implementation of national and provincial action plans.</li> <li>ii. Regular preparation and updating of yearly Locust Control Contingency Plan and submission to the quarters concerned.</li> <li>iii. Effective coordination mechanism.</li> <li>iv. Nomination of Focal Persons.</li> <li>v. Formation of surveillance committees at District, Tehsil and UC levels.</li> <li>vi. Feedback and Monitoring Mechanism</li> <li>vii. Regular survey and awareness activities in the farming community.</li> <li>viii. Mega seminars at District and Tehsil levels.</li> </ul>	Agriculture Extension Department Pest Warning and Quality Control of Pesticides (PW&QCP) Department Revenue Department. DDMA LG&CDD MCs Information Department

	<ul style="list-style-type: none"> <li>ix. Maintaining proper stock of pesticides during the year</li> <li>x. Capacity Building and trainings for the concerned HR</li> <li>xi. Mock Exercises.</li> <li>xii. Training of farmers on locust control and corner meetings in villages</li> </ul>	
Epidemics	<ul style="list-style-type: none"> <li>i. Preventive Actions</li> <li>ii. Awareness campaigns on regular basis</li> <li>iii. Medical Treatment of patients</li> <li>iv. Ensure 100 percent vaccination of the target group</li> <li>v. Convene regular meetings of all concerned departments to remain current and updated and plan for future course of action</li> </ul>	Health Department MCs District Government DDMA Information Department
Fire Incidents	<ul style="list-style-type: none"> <li>i. Mock exercise, trainings, equipment</li> <li>ii. Installation of fire hydrants at narrow streets</li> <li>iii. Ensure installation of fire extinguisher at shops, offices and markets.</li> <li>iv. MCs should ensure that there is no encroachment</li> <li>v. on the way to potential fire prone buildings which can hinder firefighting operations.</li> <li>vi. Ensure that all building / potential vulnerable points have escape route for residents / workers in case of fire emergency</li> <li>vii. Ensure that fire extinguishing equipment is available and in functional condition and all security / firefighting teams know their location</li> <li>viii. Ensure that security staff / firefighting staff is well trained and physical and medically fit to combat fire in case of emergency.</li> <li>ix. Ensure that residents / workers of building and flashpoints are aware of emergency SOPs (to be followed in emergency situation) and know escape route</li> <li>x. Ensure that all equipment and material required to combat fire with rescue department is ready, in order, functional and firefighting team is trained and all members are physically and medically fit to</li> <li>xi. combat fire.</li> <li>xii. Ensure that that health department has made all necessary arrangements (inclusive of human resources, equipment and medicines etc.) to deal with burn cases resulting from fire break out.</li> <li>xiii. Ensure that mock drills have regularly been conducted and firefighters are aware of the potential threats of fire emergency in their area (involving all stakeholders Rescue, Health, DDMA etc.)</li> <li>xiv. DDMA should convene periodic meeting with all owners of such building periodically and inspection teams should visit all building, flash points (petrol and gasoline station) to ensure that all precautionary measures have been taken and fire extinguish equipment is available (functional) and staff is trained.</li> <li>xv. should also include forest department in all meetings and operations</li> </ul>	1122 Civil defense MCs DDMA Health Department Forest Department Information Department
Other major accident	<ul style="list-style-type: none"> <li>i. First aid and rescue trainings Infrastructure maintenance basic life supports trainings, installation of cautionary &amp; informative sign</li> </ul>	Rescue 1122 Health Department

building, collapse, road traffic accidents train accident stampede, plane crash.	boards and reflecting polls at roads/highways ii. Installation of reflectors at slow moving vehicles checking of vehicles certification / clearance certificate.	Highway Police Traffic Police DRTA DDMA Information Department
Smog	i. Close monitoring by Environment Protection Department. Shutting down of industries which are working without emission control equipments or are using substandard fuel. ii. Imposition of ban on burning municipal wastes and crop residues. Awareness campaign among farmers regarding that and for environmentally safe disposal of crop residues. iii. Agriculture department to prepare, share and implement plan of disposal of crop residues. iv. Municipal corporations to ensure efficient collection and disposal of solid waste. v. Issuance of Health Advisories and maintenance of data of smog related patients by Primary and Secondary Health Care Department vi. Devising of fugitive dust control mechanism and its implementation vii. Checking of petrol pumps for safe storage of petroleum products viii. Ensuring Municipal Laws compliance reporting ix. Clean and green activities in the district x. Establishment of nurseries and tree plantation including awareness regarding this in the general public	Environment Protection Department Agriculture Department Industries Department Primary and Secondary Health Care Department. District Police LG&CDD Forest Department Punjab Housing and Town Planning Agency Building Department PHED Information Department MCs Traffic Police DDMA Information Department
Other Environmental Hazards (industrial accidents, severe pollution etc.)	i. Awareness raising/plantation/nurseries ii. alternate energy iii. Inspection & Correction	Environment Protection Department Education Social welfare Health Department DDMA Information Department
Climate Change (Heat & and Extreme Cold)	i. Implementation of National Climate Change Policy (2013) followed by Climate Change Act (2017) ii. Implementation of Water Policy: Pakistan approved Water Policy in April 2018. Besides, Punjab has a provincial water policy. The government's approval and implementation of the draft Punjab Water Policy (April 2017). iii. Implementation of Agriculture Policies: selection and use of climate resilient crops/agriculture and cropping patterns together with water-efficient irrigation systems are need of the time. iv. Revision of infrastructure designs (such as bridge piers, buildings plinth levels, buildings HVAC, roads) based on climate change assessment. v. Provision of shelter during extreme cold and establishment of shades for extreme heat and other measures to control heat shocks including awareness campaigns vi. Adequate health facilities provision; vii. Adequate control and measures against viral disease viii. Encouraging urban forestation; ix. Adequate control and measures against viral diseases;	Forest Department Agriculture Department Water Management Department DDMA Social Welfare department Health Department Environment Protection Department Information Department

	<ul style="list-style-type: none"><li>x. Adaptation of best agriculture practices and use of climate resilient crops;</li><li>xi. Use of least water-intensive crops and water efficient irrigation systems such as sprinkler and drip irrigation, particularly where rice and sugar cane is grown,</li><li>xii. Adaptation of best water management practice, such as lining of watercourses and land leveling together with demand-based supplies using soil moisture sensors;</li><li>xiii. Launching of farmers' awareness schemes to educate them about climate change risks, efficient irrigation systems, use of best available seeds variety, changes in cropping patterns;</li><li>xiv. Growing of more trees to control temperature and to reduce water losses together with adverse climate change impacts;</li><li>xv. Changes in cropping patterns to increase food production and to cope up with the rise in food demand and water losses;</li><li>xvi. Parthenium and other such types of weeds should be treated through biological treatment and Integrated Pest Management (IPM),</li><li>xvii. Public awareness schemes, and capacity building of line departments' staff to educate people about climate change risks and adaptation measures;</li><li>xviii. Well managed operation and maintenance to avoid water loss</li></ul>	
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## Alertness Levels

Following four levels alertness have been established:

<p><b>Level-D</b> (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><b>Level-C</b> <b>(Alert)</b> (Warning issued but likelihood of occurrence is less than 100%)</p>	<p><b>Activities to be undertaken in level D</b> + DDMA shall issue “<b>alert</b>” 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><b>Level-B</b> <b>(High Alert)</b> (Disaster threat is imminent)</p>	<p><b>Activities to be undertaken in level C</b> + DDMA shall issue EW to all stakeholders and “<b>High Alert</b>” 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><b>Level-A</b> <b>(Red Alert)</b> (Disaster is materialized)</p>	<p><b>Activities to be undertaken in level B</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>

## Early Warning

*Briefly describe how the early warning will be received from provincial level?*

*Who is the focal person at district level?*

*Functions of District/Tehsil Emergency Control Rooms in early warning*

*How the early warning will be communicated to relevant departments for different disasters? What actions each relevant department should take after receiving the early warning e.g. evacuation.*

*How the early warning will be communicated to the relevant population? E.g. through Patwaris, SMS, Announcements, Media etc.*

## RESCUE STRATEGY

- DEOC / district control room shall intimate to all concerned department / agencies and Rescue 1122, Police, shall rush to emergency / disaster effected area. Evacuation, Medical assistance and rescue shall be made by rescue 1122 in coordination with line agencies in coordination with TMA and Health and other stake holders.
- Police will be responsible to maintain law & order situation and for security of peoples/ agencies. Complex emergencies shall be lead by police and rescue 1122 will support the rescue activates.
- Pak army will be requested by chairman DDMA in accordance with govt SOPs, after
- DDMA meeting keeping in view nature and magnitude of disaster / emergencies.

### What action will be taken

All 07 rescue sectors will be functional with all rescue resources staff, Boats, OBM's, Life jackets and rescue operation will be performed with the collaboration of District Administration.

### Who does, what, when

Initially warnings will be issued with the collaboration of line departments Police, revenue Department irrigation Department, Civil Defence, etc.

### How and when

Rescue Control Room will be in touch with district flood control room Round the clock and will make the rescue strategy as per requirements.

## Early Warning

- On the early warning will be communicated to the relevant population? E.g. through Patwari, SMS, Announcements, Media etc.
- The information/ early warring will be received by DC / ADCR and District Control Room from provincial level control room.
- ADCR will be focal person for early warning/ coordinating and supervising the disaster relief measures in the district.
- The district control room will intimate the information to the focal persons of DDMA, departments & Public Representatives and Tehsil Control room and will issue the alert to concerned department.
- After the intimation from Control Room all departments will take appropriate measures for evacuation, first aid, security and relief etc. as per their role and responsibilities
- Tehsil control room will issue early warning through telephone and revenue field staff to concerned chairman and councilors of the area.

## HUMANITARIAN ASSISTANCE

- Humanitarian Assistance is extremely helpful in coping up disasters.
- The DC will comprise a committee regarding collection of data of house damages and losses and communicated to higher level by the SNAs / ADCR.
- Relief camp incharges/ revenue staff and the social welfare department will have determined the needs of the effected people. DDMA, civil society and local volunteers provide the assistance to affectees from early warning, search and rescue, medical assistance to relief activities.
- Government instructions shall be followed for standardization of different packages like food, kits etc.
- DC will establish a humanitarian assistance mechanism establishing a committee to avoid duplication and to identify gaps.
- Camp management SOPs shall be followed as per DDMP attached guidelines. District Govt have capacity for at least 18000 persons to provide assistance
- The District Govt is very keen for the protection especially Govt gender based protection is on the first in agenda, especially keen for children and person with disabilities. DDMA will ensure it with the help of NGOs and civil society

## 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	Govt. Girls High School, Rajar		X: Y:	09	Assistant Commissioner Office, Quaidabad		X: Y:
2	Govt. Boys High School Sandral		X: Y:	10	RHC, Mitha Tiwana		X: Y:
3	Khushab Bridge		X: Y:	11	Govt. Elementary School Boys, Railway Station Chowk, Mitha Tiwana		X: Y:
4	Mohallah Hussainabad Khushab City		X: Y:	12	Govt. Primary School, Kothi Nawab (Bijar)		X: Y:
5	Govt. Boys Elementary School Hassan Pur Tiwana		X: Y:	13	Govt. Girls High School, Hadali		X: Y:
6	Govt. High School, Girote		X: Y:	14			X: Y:
7	Govt. High School, Joura Kalan		X: Y:	15			X: Y:
8	BHU Tatari		X: Y:	16			X: Y:



## ANNEX II: LIST OF HAZARD PRONE VILLAGES/ REVENUE ESTATE (NAMES REQUIRED)

Hazards	Tehsils	UCs	Names of Revenue Estates
Floods	Khushab, Noorpur Thal		khushab (Rural)
			Sandral
			Namiwali
			Khairpur
			Arik Pur
			Thathi Kalrani
			Jandran
			Har du Ghahg
			Kora
			Noorwana
			Dhak
			Bansi
			Balwal
			Rajar
			jiswal
			Ghousnagar
			mangoor
			Kurpalka
			Muhammad shah
			Jalal Pur Saydan
			Thati Ghangera
			Joyia
			Hassan Pur Tawana
Meli Sadar din			
Meli pur Bakshah			
Chak Meli			
Sheikhowal			
Gogo Chaki			
Sighwal			

		Kotla jagir
		Bheen
		Mohibpur
		Jaura Jagir
		Rang Pur Kadhi
		Girote
		Wasu
		Shah Ajmal
		Dhop sari
		Chhina
		Langar wala
		Lal Hussain
		Havali Charagh
		Chandia
		Pipli Saydan
		Sher Garh
		Tetri
		Laghari
		Jura kalan
		Kaka
		Burhan
		Khai Khurd
		Khai Kalan
Hill torrents	Khuhab, Quaidabad	Chak No 5 TDA
		Gunjial Shumali
		Uttrah Shumali
		Bandaial Janubi
		Ukhali Mohla Junabi
		Sheikhu
		Bajar Junabi
		Mittha Tiwana
		Hadali
		Joharabad
		Botala
		Chak No 41 MB
		Chak No 42 MB

			Chak No 43 MB
			Chak No 44 MB
			Chak No 45 MB
Locust	Noorpur Thal, Khushab, Quaidabad		<ul style="list-style-type: none"> <li>• Shah Hussain,</li> <li>• Rakh Shah Hussain,</li> <li>• Rakh Borana Wala,</li> <li>• Rakh Tahla</li> <li>• Khatwan,</li> <li>• Nawan Saggu,</li> <li>• Jharkil,</li> <li>• Rakh Jamali,</li> <li>• Aino,</li> <li>• Rakh Noorpur</li> <li>• Dhamak</li> <li>• Buranawala</li> <li>• Jamali</li> <li>• Shahwala</li> <li>• Kaka. Share Ghrah</li> <li>• Burhan, Jura Kalan</li> <li>• Khai Khurd, Khai Kalan</li> <li>• Bilo Farm</li> <li>• Joiya,</li> <li>• Panja,</li> <li>• Lukko.</li> <li>• Hassanpur Tiwana</li> <li>• Girete</li> <li>• Bijar</li> <li>• Sheikhu</li> <li>• Roda</li> <li>• Chak No 41 MB</li> <li>• Okhali Mohla</li> <li>• Chak No. 21 MB</li> <li>• Chak No. 22 MB</li> <li>• Chak No. 5 TDA</li> <li>• Chak No. 1 TDA</li> <li>• Chak No. 3 TDA</li> <li>• Chak No. 14 MB</li> <li>• Chak No. 15 MB</li> <li>• Islamabad</li> <li>• Chak No24 MB</li> </ul>
Earthquake	Anywhere in the district	Anywhere in the district	Anywhere in the district
Drought	Noorpur Thal,		Whole Tehsil

Epidemic	Anywhere in the district	Anywhere in the district	Anywhere in the district
Environmental Hazards (industrial accidents, severe pollution etc.)	Anywhere in the district	Anywhere in the district	Anywhere in the district

## LOCUST CONTINGENCY PLAN

A precautionary action plan is prepared to help farmers to meet the challenge of Locust attack.

### DEPARTMENT RESOURCES

Human Resources	Deputy Director Agri (Ext.)	1
	Assistant Director Agri (Ext)	3
	Agriculture Officers (Ext)	10
	Superintendent	1
	Assistant	4
	Agri. Inspector	5
	Field Assistant	57
	Senior Clerk	2
	Junior Clerk	10
	Beldar/Fieldman /Sprayman/Cleaner	68
	Vehicle Driver	6
	Chowkidar	4
	Vehicle & Machinery	Toyota Hilux
Suzuki Jeep		2
Bolan Pickup		7
Honda 125cc Motorcycle		58

### SURVILLANCE ACTIVITIES

The surveillance committees at District, Tehsil and Union Council level will be responsible for surveillance/monitoring and awareness among the farming community. The following committees are hereby constituted for above said purpose.

#### a) District Level Surveillance Committee

1. Deputy Commissioner Khushab (Convener)
2. Deputy Director Agriculture (Ext.) Khushab (Member/Secretary)
3. Assistant Director (PW&QCP) Khushab (Member)

#### b) Tehsil Level Surveillance Committee

1. Assistant Commissioner of Concerned Tehsil (Convener)
2. Assistant Director Agriculture (Ext.) of Concerned Tehsil (Member/Secretary)
3. Agriculture Officer (Ext) H/Q (Member)
4. Agriculture Officer (PW&QCP) of Concerned Tehsil (Member)

#### c) Union Council Level Surveillance Committee

1. Field Assistant of Concerned Union Council (Convener)
2. Concerned Patwari (Member)

### PRE-ACTIVE STRATGIES

- a) Tehsil &U/C level committees will keep a close eye on locust movement and will immediately inform

District Committee in case of any invasion for timely action

- b)** The Field staff of the Agriculture, Pest Warning & Revenue will conduct regular Survey about locust population and will also create awareness among the farming community.
- c)** Mega Seminars at District & Tehsil level will be arranged to create awareness among the farming community by Agriculture and Pest Warning Department.
- d)** Agriculture Officers & Veterinary Officers will conduct meetings at village level to create maximum awareness among farming community.

#### ARRANGEMENTS OF PESTICIDES, EQUIPMENT AND MANPOWER

- a)** All the arrangements will be made for emergency acquisition of Anti- locust pesticides
- b)** and spray machines from PDMA/Any other concerned authority in consultation with Assistant Director Agriculture (PW & QCP) Khushab.
- c)** Assistant Director Agriculture (PW& QCP) will ensure the availability of maximum locust control pesticides in Khushab district.
- d)** Pesticides spray machinery and equipment will be acquired from the Federal Department of Plant Protection (DPP) immediately.
- e)** Manpower and logistic for spray will be arranged by the Deputy Commissioner Khushab from the resources of Agriculture, Livestock, Pest Warning and Revenue Departments.

#### OPERATIONAL ACTIVITES

- a)** The SOS calls for operational activities will be given by the Deputy Commissioner Khushab District in consultation with the District Surveillance Committee.
- b)** The Assistant Director Agriculture (PW & QCP) Khushab will launch the locust Control operation.
- c)** The Agriculture, Pest Warning and Revenue Departments will provide field staff to assist in operations of locust control

## 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		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#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary )	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
		Y:			
18		X: Y:			
19		X: Y:			
20		X: Y:			
21		X: Y:			
22		X: Y:			
23		X: Y:			
24		X: Y:			
25		X: Y:			
26		X: Y:			
27		X: Y:			
28		X: Y:			
29		X: Y:			
30		X: Y:			
31		X: Y:			
32		X: Y:			
33		X: Y:			
34		X: Y:			
35		X: Y:			

## ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrollment	Incharge Name	Contact Number
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:			

## ANNEX V: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

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
1	KCP Girote	Girote Khushab	<b>X:32.071870</b> <b>Y:72.187482</b>	Radiological, Nuclear)	Army	low	-----
2	Olampya Camical	Quaidabad	<b>X:32.417542</b> <b>Y:71.954961</b>	(Chemical)	Private owner	low	-----
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:				

## 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.
1.	Jaman Social Welfare Society, Civil line House No.01 Jauharabad	Local	Khushab	Youth Welfare	Malik Jamshid Muneer Rajar	0346-7948148 0302-6234513
2.	Ideal Welfare Society (Al Hayat Model School) Chak No.47/MB	Local	Khushab	Education	Shail Irfan	3004206847 3015695801
3.	Al-Falah Society Block No.3 Jauharabad	Local	Khushab	Women Welfare	Allah Ditta	0301-6778433 0301-6771642
4.	Sustainable Development Association (SDA) Block No.06 H. No.80 Jauharabad	Local	Khushab	Youth Welfare	Raja Wajid	0300-6030386 0300-5195245
5.	Falcon Social Welfare Society Naseem Colony Jauharabad	Local	Khushab	Education	Perveez Iqbal	0301-6771642
6.	Anjuman Bahbood-e-Mareezan THQ Hospital Khushab	Local	Khushab	Patient Welfare	Aftab Ahmad Khan	0333-6817100 3347504183
7.	The Society for Human Empowerment & Rural Devel. (Sher) Mohallah Ajtanwala Mitha Tiwana	Local	Khushab	Women Welfare Youth Welfare Child Welfare Education	Col Muhammad Sadiq	0341-2014040 0454-203497
8.	Tanzeem Al-Falah Chak No.40/MB	Local	Khushab	Youth Welfare Child Welfare Education	Professor Ghulam Murtaza	0300-6072983 0300-8910263
9.	Women Development & Environment Association Al-Bohran Twon(Hi-Aims Oxford Science School) Jauharabad.	Local	Khushab	Education Women Welfare	Nazia Shaheen Malik	0300-6073298
10	Khushab Rehabilitation Council THQ Hospital Khushab	Local	Khushab	Dialysis Centre	Dr. Abid Ali Mukhdoom	0300-6078100
11	Society Against Violence in Education, Gulshan Town Jauharabad	Local	Khushab	Education IT Centre	Muhammad Iqbal Lila	0333-6813347
12	Bahadar welfare society Daiwal	Local	Khushab	Education	Malik M. Aslam Khan	0333-6776294 0302-6754828
13	Darul Islam Social Welfare Society Muzafargar Road Jauharabad	Local	Khushab	Special Education Women Welfare	Dr. Mahmood Ahmad Zubairi	0454-723729 0300-6075490
14	District Public Welfare Society (DPS School) Jauharabad	Local	Khushab	Education	DCO Khushab	0454-920226 0454-722277
15	Deyan Welfare Society, District Khushab	Local	Khushab	Awareness	Zafar Iqbal	0300-9600699
16	Pasban Welfare Society, H.19 Block No.4 Jauharabad	Local	Khushab	Youth Welfare Human Rights Child Welfare Women Welfare	Shakeel Ahmad	0301-6778433 0454- 7233110300- 6076658

17	Shaheer Welfare Society, Mohallah Ratialanwala Punja	Local	Khushab	Women Welfare Youth Welfare	Fakhar iqbal	0300-8329690 0300-2829826
18	Kayanat Development Organization Chak No.51- MB Tehsil Khushab	Local	Khushab	Education Women Welfare Child Welfare	Ghulam Murtaza	0305-7005896 0300-6078100
19	T.B. Association Chest Clenic Khushab	Local	Khushab	Patient Welfare	Dr. Ghous Muhammad	0454-712520
20	Hope Development Associatoin, Hayat ul Meer Printing Press Lari Adar Khushab	Local	Khushab	Human Rights Environment & protection Rehabilitation of Destitute Persons	Ghulam Abbas Khokhar	0300-6075635 0300-6074135
21	Social Welfare Society Botala	Local	Khushab	Women Welfare Education	Munawar Sultana	0303-7906182 0308-4300729
22	Rabbani Social Welfare Society, Khushab	Local	Khushab	Women Welfare Youth Welfare	Atta Ul Rahman	0302-6394440
23	Ujala Welfare Society Mohallah Sardar Bahadar Khan Khushab	Local	Khushab	Health Youth Welfare	Malik Sadaqat Ali	0334-7504183
24	Adara Falah-o-Behbood Mohallah Rahmania Mitha Tiwana District Khushab	Local	Khushab	NFB Eduction Rural Dev Community Dev Women Welfare Youth Welfare	M Ramzan Jaura	0300-8702856
25	A-one Welfare Society Mohallah Balochanwala Khushab	Local	Khushab	Education	Muhammad Basheer Khan	0345-5844362 710331
26	United Development Association Bali Town Hadali	Local	Khushab	Education	Muhammad Asif Nazeer	0321-6070690
27	Social Welfare Society Sandral	Local	Khushab	Women Welfare	Malik Mansib Dar	0305-4860024
28	National Welfare Society Nasim Colony Jauharbad	Local	Khushab	Education	Muhammad Abdul Aziz	0302- 67750350454- 721194
29	Al-Khidmat Social Welfare Society 54-MB	Local	Khushab	Health Women Welfare Youth Welfare	Ch. Muhammad Arif	0300-6026985 0333-9827664
30	Anjuman Bahbood-e- Mareezan DHQ Hospital Jauharabad	Local	Khushab	Health	Medical Social Officer	0454-920055
31	Noor Foundation THQ Hospital Khushab	Local	Khushab	Health	Shiekh Javaid Elahi	0333-6812125 0454-712424
32	Haidar Memorial Welfare Society Chak No.41-MB	Local	Khushab	PWP Center Child Welfare Patient Welfare	Ch. Muhammad Ramzan	0300-6075323
33	Local Support Welfar Organization (SMJH) Hassan Pur Tiwana (Khushab)	Local	Khushab	Education	Muhammad Hayat Talah	0302-5853923 0306-6784673
34	Friends Welfare Society, Abdullah Hospital Jauharabad	Local	Khushab	Health	Dr. Ghani Masood Alam	0300-6071532 0314-5304195
35	Rural Area Dev. Organization (RADO) Chak No.47/MB	Local	Khushab	Youth Welfare	Prof.Ghulam Murtaza	0300-6072983 0308-4238192
36	Social Welfare Society Jabbi	Local	Khushab	Education	Mudasar Atteeque	3013929344
37	Police Welfae Organizaion DPO Office Khushab at Jauharabad	Local	Khushab	Recreational Programme, Social Education, Patient Welfare,	DPO	03004775694 03008193454 03009606201

				Rehabilitaiton of Destitute Person		
38	Anjuman Farog-e-Taleem 9S Settelite Town Quaidabad	Local	Khushab	Education	Qazi Qamer-ud-Din	0305-6565623 0301-4582006
39	Peoples Welfare Society (Gunjial) Quaidabad District Khushab	Local	Khushab	Women Welfare, Youth Welfare, Child Welfare, Patient Welfare, Social Education, Welfare of Disable Person	Ch. Saleem	0300-6073076 0304-2727199 0304-5214414
40	Bandial Welfare Society, Bandial Tehsil Quaidabad Disrict Khushab	Local	Khushab	Youth Welfare Child Welfare Women Welfare Patient Welfare	Malik Akram Bandial	0300-9601090 0300-9723024
41	High Aims Desert Welfare Soicety Tehsil Noorpur Thal	Local	Khushab	Women Welfare Youth Welfare	Ghulam Hur	0454-791199
42	Tafheem-ul-Quran Society Adhi Kot	Local	Khushab	Women Welfare Education	Hakim Khan	0454-7861105
43	Al-Hamad Social Welfare Society, Ahmad-Abad (Khali Khurd) Tehsil Noor Pur Thal District Khushab	Local	Khushab	Youth Welfare Child Welfare Patient Welfare Education	Haji Mohammad Ismaeel	0301-2514427 0301-6773706
44	Growing Laager Aspiring Development (GLAD) Welfare Society, Noor Pur Thal 134/3 Gulshan Iqbal Colony Jauharabad	Local	Khushab	Youth Welfare Child Welfare Patient Welfare Education	Shoaib Akbar	0302-6770688
45	Welfare and Development Association Uchali	Local	Khushab	Youth Welfare Child Welfare Women Welfare	Malik Saif Ullah Khan	3028905273
46	Anjuman Bahbood-e- Mareezan THQ Hospital Naushera	Local	Khushab	Youth Welfare Child Welfare Women Welfare	Medical Social Officer	3005097378
47	Gross Root Development Programme Naushera	Local	Khushab	Youth Welfare Child Welfare Women Welfare	Abdul Hameed	0300- 50977278
48	Qutab Welfare Society District Khushab Soon Valley	Local	Khushab	Youth Welfare Child Welfare Women Welfare	Malik Sher Afzal	03005265640 03004396362
49	Kohsar Rural Development Foundation, Naushera	Local	Khushab	Youth Welfare Child Welfare Patient Welfare Coordination with other NGOs	Khalil Ahmad	0305-4680311 0301-5381967

## ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

Sr No	Designation	Telephone Office	Focal Person	Mobile	Telephone Residential
1.	Commissioner Sargodha	048-9230721 722	Dr.Farah Masood		048-9230699
2.	At Deputy Commissioner complex Jauharabad	0454-920215	FLOOD EMERGENCY CONTROL ROOM	0304-0920075	0454-720470
3.	Deputy Commissioner Khushab	0454-920202 0454-720626	MUSARAT JABEEN	0304-0920075	0454-720470
4.	DPO	0454-920026-28	RANAMUHAMMAD SHOAB	0300-4010777	0454-720726
5.	Addl.Deputy Commissioner (G)	0453-9200312	Abbas Raza Nasir	0333-0721412	0453-9200313
6.	Addl.Deputy Commissioner (R) (Focal Person)	0454-920120	ADEEL HAIDER	0333-4204280	-
7.	Assistant Commissioner Khushab	0454-9202216	RASHID IQBAL	0306-451003	-
8.	Assistant Commissioner, Noorpur	0454-850265	MUHAMMAD SAIF	0304-0902000	
9.	Assistant Commissioner, Quaidabad	0454-880087	RANA GHULAM MURTAZA	03332005088	
10.	Assistant Commissioner, Naushera	0454610080	IMRAN NASEER	0333-8654806	
11.	Chief Executive Officer District Health Authority, Khushab	0454-920089	Dr. WAJID ALI SHAH	0300-4931951	
12.	District Disaster Management Coordinator	0454-920116			
13.	Chief Executive Officer District Education Authority, Khushab.	0454-920125	IJAZ UL HAQ	0300-6072910	
14.	Deputy Director Agriculture (Extension) Khushab.	0454-920158	SAMAR HASNAIN	0321-6047542	
15.	Deputy Director Social Welfare Khushab.	0454-920051	MALIK IMTIAZ MANGAT	0300-8701551	
16.	T Executive Engineer Building District Khushab.	0454-920236	RAJA LAHRISAB KHAN	0302-4748153	
17.	Executive Engineer Irrigation Khushab Canal Division Khushab.	0454-711422	MOHIB ULLAH ALI	03349565827	
18.	Executive Engineer (P.H.E.D), Khushab.	0454-710380	SHAIKH SLAEEM AKHTER	03027098111	
19.	Xen (Operation) FESCO, Jauharabad.	0454-920057	GULAM MUSTAFA DAR		
20.	District Monitoring Officer, PESRP Khushab.	0454-920221	KHIZRAN ALI	-	
21.	District Health Officer (Preventive) District Health Authority, Khushab.	0454-920091	DR. RAO GULZAR YOUSAF	03008702089	
22.	District Emergency Officer, Rescue 1122, Khushab	1122	HAFIZ ABDUL RASHEED	0300-5698489	
23.	Focal Person for Per-Flood-2019/ The system	0454-920222	ASRAR AHMAD	0300-4753595	

	Network Administrator, Khushab.				
24.	Divisional Forest Officer, Khushab.	0454-920082	AZEEM ZAFAR	0334-0008326	
25.	Food Controller, Khushab.	0454-920146	ABDUL HAFEEZ	03008709414	
26.	District Officer, Khushab	0454-920008	RANA ABDUL JABBAR	0307600442	
27.	Additional Director Livestock, Khushab.	0454-920080	DR.ARIF SULTAN	03006020447	
28.	Secretary DRTA, Khushab.	0454-920041	JAVID IQBAL	0321-4979804	
29.	District Officer (Population), Khushab.	0454-920135	NASEER AHMAD QARBLI	03026393775	
30.	DSP Traffic, Khushab.	-	AFZAL KHAN	03005074249	
31.	District Officer,(Excise &Taxation), Khushab	0454-920189	ESHAN QADIR MOJAKA	0300-6071563	
32.	Civil Defence Officer, Khushab.	0454-920052	MUZZAM SULTHAN	0345-8636584	
33.	Chief Officer District Council Khushab.	0454-920001	MUHAMMAD AZAM		
34.	Chief Officer Municipal Committee, Khushab.	0454712461	MUHAMMAD AZAM		
35.	Chief Officer Municipal Committee, Jauharabad.	03064821034	ABDUL RAZZAQ	03064821034	
36.	Chief Officer Municipal Committee, Hadli & Noorpur.	0300-6327306	SYED SALEEM IQBAL SHAH	0300-6327306	
37.	Chief Officer Municipal Committee, Mitha Tiwana.	0454-730017	MALIK MUHAMMAD BASHIR	0301-6774516	
38.	Chief Officer Municipal Committee, Quaidabad.	03016766186	AZHAR KHAN	03016766186	
39.	Chief Officer Municipal Committee, Naushera	0301-5695818	AKHTAR NAWAZ	0301-5695818	
40.	Assistant Agriculture Engineer (Field Operation), Jauharabad.	03006070527	TARIQ MAHMOOD	03006070527	
41.	HC DDMA,S Khushab	0454-920215	AMEER GUNJIAL	0301-4292231	
42.	<b>FRC</b>	<b>0454-920215</b>	<b>AQEEL HASSAN RAZA</b>	<b>03455842857</b>	

## ANNEX VIII (A): LIST OF VOLUNTEERS

Sr. No.	Name of Volunteer	Cnic #	Address	Cell No.	Blood Group	Time Required to be on board.
1.	Shoaib Aftab	38201-0747498-5	Shwala, Khushab	03028000005		2 Hours
2.	Muhammad Sarfraz	38201-11104133-5	-do-	03004159637	B+tive	-do-
3.	Muhammad Irfan	38201-1111835-7	-do-	03006039560	O+tive	-do-
4.	Muhammad Ashraf	38201-5213472-9	-do-	03041657283	B+tive	-do-
5.	Muhammad Imtaiz	38201-9943025-3	-do-	03026029812	-do-	-do-
6.	Muhammad Sohaib	38201-0193156-3	-do-	03027026116	O+tive	-do-
7.	Muhammad Tanveer	38201-3015383-9	-do-	030227543816	A+tive	-do-
8.	Kamran Raza	38201-9195143-5	Jauharabad City	03018186833	B+tive	1 Hours
9.	Muhammad Nasir	38201-7378993-9	Khushab City	03046681264	B+tive	-do-
10.	Muhammad Irfan	38201-7093860-5	-do-	03066789183	A+tive	-do-
11.	Muhammad Sohail	38201-4723256-5	Shwala, Khushab	03056449739	O+tive	2 Hours
12.	Muhammad Eshan	38201-1326063-7	-do-	03403434476	O+tive	-do-
13.	Muhammad Ilyas	38201-1216081-7	-do-	03078720319	B+tive	-do-
14.	Raja Bilawal	38201-0328215-3	-do-	03087095071	A+tive	-do-
15.	Tahir Abbas	38201-0848707-3	Khushab City	03067152082	B+tive	1 Hours
16.	Muqsood Ur Rehman	38201-1206352-9	Shwal, Khushab	03057418520	B+tive	2 Hours
17.	Mujeed Ur Rehman	38201-9991724-7	-do-	03447931975	O+tive	-do-
18.	Muhammad Matloob	38201-0778061-3	-do-	0303-8484562	A+tive	-do-
19.	Muhammad Shoaib	38201-2582112-5	Khushab City	03016544957	O+tive	1 Hours

20.	Muhammad Zulqarnain	38201-1157289-7	-do-	03067097724	B+tive	-do-
21.	Muhammad Asgher	38201-1991718-9	-do-	03046681264	A+tive	-do-
22.	Samar Abbas	38201-510985-5	Mangoor, Khushab	03056836751	O+tive	2 Hours
23.	Mubashar Yaqoob	38201-3838643-7	-do-	03059737567	O+tive	-do-
24.	Imran Hasan	38201-1324312-3	Hadali, Jauharabad	03057443426	B+tive	2 Hours
25.	Toqeer Haider	38201-7819089-1	Kurpalka, Khushab	03004551607	O+tive	-do-
26.	Fasil Nawaz	38201-2427238-3	Bola, Jauharabad	0307-6774984	B+tive	-do-
27.	Muhammad Ramzan	38201-1871305-9	Kurpalka, Khushab	03035657647	-do-	-do-
28.	Muhammad Saleem	38201-1061776-3	Hadali, Khushab	03227527293	-do-	-do-
29.	Muhammad Naveed	38201-8995508-5	-do-	03015524390	-do-	-do-
30.	Taseer Hasan Raza	38201-9344896-9	Bola, Khushab	03035844742	-do-	-do-

**ANNEX VIII (B) : LIST OF SWIMMERS/DIVERS**

<b>Gunjyal UC</b>			
	Name	Father Name	Contact #
1	Zaki ur rehman	Atta Muhammad	3006073076
2	Zeeshan Ahmed	Ghulam Asgher	3042727199
3	Muhammad Asad	Muhammad Aslam	3004416002
4	Muhammad Ameer	Muhammad Nazir	3075152786
5	Muhammad Khan	Ahmed Khan	3013209529
6	Muhammad Nouman Ijaz	Muhammad Nazir	3075152786
7	Muhammad Javid	Sher Muhamamd	3014782894
8	Muhammad Nadeem	Muhammad Bahadur	3046723173
9	Hamza Sadique	Muhammad Saddique	3046796698
10	Muhammad Naouman	Jahan Khan	3040327300
11	Muhamamd Zubair	Muhammad Nawaz	3046723173
12	Muhammad Sulman	Muhammad Nawaz	3049089127
13	Kanwal Aziz	Matti Ur Rehman	3066704769
14	Asif Nawaz	Ahmed Nawaz	3034510020
15	Arsalan Kashif	Asif Ali	3012741093
16	Muhammad Saleem Azam	Muhammad Azam	3057412050
17	Hassan Imam	Inam Ullah	3026146212
18	Muzamal anyat	Anyat Ullah	3071701013
19	Danish Naveed	Ghulam Fareed	3014179385
20	Muhammad Muzafar	Ahmed Khan	3017068266
21	Muhammad Irfan	Allah Bakhsh	3006073076
22	Humayun Ahmed Faraz	Muhammad Maqsood	3006073076
<b>VTI Jauharabad 25-26-27/03/2019</b>			
<b>01-01-2019 to 31-08-2019</b>			
23	Gulfam Nawaz	Malik Nwaz	3427878456
24	Jabbar Ahmed	Munsab Khan	3401006903
25	Ali Hussain	Muhammad Ashraf	3061139430
26	Muhammad Nouman Khan	Muhammad Azam Khan	3074294164
27	Muhammad Ramzan	Muhammad Waris	3069272790
28	Bilal	Muhammad Shafi	3034838842
29	Bilal Haider	Mushtaq Ahmed	3096797493
30	Muhammad Irfan	GulSher	3024451199
31	Abdul Moeid	Ubaid Ullah	3034838842
32	Zain Ul Abideen	Aziz Ahmed	3062875798
33	Abdul Ghafoor	Muhamamd Ayub	3026905615
34	Mudassar Imran	Ahmed Khan	3067920832
35	Zulqarnain ahmed		3030020212
36	Muhammad Ramzan	GulSher	3087042566
<b>01-07-2019 to 31-08-2019</b>			

37	Shah Abdul Sattar	Khalid Hussain Shah	3146489524
38	Muhamamd Zohaib Hassan	Muhammad Ramzan	3227172917
39	Mudassar Iqbal	Muhammad Iqbal	3085665693
40	Amir Shehzad	Muhammad Mazhar Khan	3177406851
41	Suneel Khan	Saleem Masih	3006052140
42	Junaid Iqbal	Ghazanfar iqbal	3029710499
<b>01-07-2019 to 29-02-2020</b>			
43	Syed Jahanzib Ali	Syed Jahangir Ali	3067207271
44	Tahir Naeem Farooqi	Muhammad Ashraf	3042597365
45	Kamran abid	Abid Hussain	3036272522
46	Dilawar Khan	Wazeer Khan	
47	Muhammad Usman Yousaf	Muhammad Aslam	3117111382
48	Khalid Shehzad	Muhammad Mumtaz	3040948535
49	Fahad Ismail	Muhamamd Ismail	3327211229
50	Ramzan Mehboob	Faiz Hussain	3057769291
51	H.M.Shahzaib	Muhammad Javid Iqbal	3067207271
52	Aqib Shahzad	Ghulam Murtaza	3075461362
<b>Adhi Kot 17-18-19/06/2019</b>			
53	Amir Ijaz	Ijaz Hussain	3027057067
54	Nouman Arif	Muhammad Arif	3012818065
55	Zeeshan Arshad	Arshad Anjum	3016742676
56	Arbab Ahmed	Sabir Hussain	3037340404
57	Rehmat Ullah Khan	Muhammad Ullah Jan Khan	3441489008
58	Haji Shakeel	Abdul Sattar	3016607839
59	Danish Iqbal	Iqbal Hussain	3048127059
60	Talha Arshad	Muhammad Arshad	3043149918
61	Muhamamd Kamran	Muhammad Arif	3017102124
62	Muhamamd Sana Ullah	Muhammad Riaz	3069837697
63	Husnain Shah	Anar Shah	3025064277
64	Qaiser	Ghulam Habib	3007663499
65	Shahid Ullah	M Ullaha	3073994799
66	Irfan Haider	Abdul Majeed	3068046317
67	Junaid Ahmed	Ahmed Sher	3035921859
68	Ghulam Muhammad	Amir Sher Ali	3084419939
69	Tahir Nadeem	Muhammad Ramzan	3016056016
<b>Civil Defence 21-22-24/06/2019</b>			
70	Asif Mushtaq	Mushtaq Ahmed	3075569032
71	Shoaib Aftab	Mian Muhammad	3302840005
72	Muhammad Sarfraz	Sherbaz	300415963
73	Muhammad Irfan	Sherbaz	3006039560
74	Muhammad Arshad	Muhamad Aslam	3041657263
75	Muhammad sibtain	Mateh Khan	3069262023
76	Muhamamd Imtiaz	Allah Ditta	3026029812
77	Muhammad Shoaib	Sadaqat Hayat	3027026116

78	Muhammad Tanveer	Muhammad Munir	3227542846
79	Kamran Raza	Ghulam Raza	3018186833
80	Muhammad Nasir	Muhammad Asghar	3046681364
81	Muhammad Irfan	Inam Din	3066789183
82	Muhammad Sohail	Munsif Khan	3056449739
83	Muhammad Ehsan	Muhammad Ramzan	3078770319
84	Raja Bilawal	Rab Nawaz	3087095071
85	Muhammad Ilyas	H. Sher Muhammad	3078720319
86	Tahir Abbas	Muhammad Aslam	3067152032
87	Maqsood Ur Rehman	Fateh Din	3057318520
88	Mujeeb Ur Rehman	Muhammad Ramzan	3447931975
89	Muhammad Matloob	Muhammad Yousaf	3038484502
90	Muhammad Shoab	Muhammad sher	3016544957
91	Muhammad Zulqarnain	Khizer Hayat	3067097724
92	Muhammad Asghar	Dost Muhammad	3046681264
93	Noor Muhammad	Matta Khan	
94	Mubashar Yaqoob	Muhammad Yaqoob	3059737507
<b>Ideal Welfare Society 47 MB Jauharabad 01-02-03/08/2019</b>			
95	Muhammad Naveed	Muhammad Aslam	3046035373
96	Abid Usman	Muhammad Ijaz	3081171847
97	Sheraz Ali	Yousaf Ali	3039202725
98	Aqib Hussain	Faqeer Hussain	3081450847
99	Asif Javeed	Muhammad Naseeb	3035895620
100	Muhammad Ramzan	Hashmat Ali	3067225962
101	Waqas Amir	Majeed Ali	3023970479
102	Atif Ashraf	Muhammad Ashraf	3077695163
103	Naeem Akhter	Muhammad Nasir	3068554863
104	Muhammad Waqar	Ghulam Murtaza	3069301710
105	Shehzad Afzal	Muhammad Afzal	3006076625
106	Asad Ali Cheema	Muhammad Arshad	3087071286
107	Faisal Nawaz	Abdul Ghani	3046702291
108	Muhammad Raouf	Muhammad Ali	3002040263
109	Asad Gujar	Muhammad Shafi	
110	Muhammad Umar	Muhammad Saleem	3041050487
111	Muhammad Adeel	Akram	3086773847
112	Muhammad Awais	Muhammad Ijaz	3058678079
113	Abid Usman	Muhammad Ijaz	3081171847
114	Ubaid Ur Rehman	Nisar ahmed	3339822508
115	Muhammad Waqar	Iftikhar	3057263489
116	Zahoor Ahmed	Noor Muhammad	3048185525
117	Muhammad Irfan	Muhammad Shareef	3039662128
118	Noraiz Raza	Abrar Hussain	3072241367
119	Muhammad Afzal	Shabir ahmed	3015695801
120	Khalil Ur Rehman	Habib Khan	3087097992

121	Sohail Irfan	Muhammad Deen	3004206847
122	Muhammad Umair Rashid	Rasheed Akhter	3042847902
123	Muhammad Aslam Hassan	Perviz Iqbal	3046434473
124	Muhammad Danial Qasim	Muhammad Qasim	3012234864
125	Zunair Shehzad	Abdul Masood	3006056760
126	Abdul Rehman	Malik Imtiaz Ali	3069236783
127	Syed Ulfat Hussain	Moazam Abbas	3086392569
128	Arsalan Haider	Gulzar Hussain Shah	3066392569

### GTI Jauharabad 16-17-18/12/2019

129	Nadir Ali	Muhammad Aslam	3022784719
130	Muhammad Rehan Haider	Atta Muhammad	3042128101
131	Muhammad Usman Khan	Muhammad Khan	3035735976
132	Muhamamd Danish Aslam	Muhammad Aslam	3078669046
133	Humayoun Razzaq	Abdul Razaq	3067198847
134	Rizwan Khan	Hafiz Muhammad zaman	3000028139
135	Muhammad Wajid Iqbal	Ahmad Iqbal	3068619502
136	Muhammad Khalid Masood	Muhammad Akram	3070495795
137	Muhammad Usman Haider	Ghulam Hussain	3057116829
138	Farhan Sher	Sher Muhammad	3088495004
139	Ghous Muhammad	Muhammad Sher	3017011495
140	Arsalan Sarfraz	Muhammad Sarfraz	3046873883
141	Fakher Hayat Khizer	Khizer Hayat	3082100800
142	Muhammad Aslam	Muhammad Abdin	3068619502
143	Muhammad Waqas	Muhammad Muneer	3067198847
144	Muhammad Ismail	Muhammad Silah U Din	30571176829
145	Muhammad Ahmed Nawaz	Muhammad Nawaz	3076618988
146	Ameer Hamza	Ghulam Sher	3041276165
147	Muhammad Wajid Iqbal	Ahmed Iqbal	3068619502
148	Muhammad Bakhsh	Allah Ditta	3327430357
149	Shahzaib	Muhammad Ishtiaq	303981422
150	Farhan Sher	Malik Sher Muhammad	3088485004
151	Awais Aslam	Muhammad Aslam	3027212519
152	Muhammad Munib Sultan	Sultan Ahmed Sultan	3070627592
153	Muhammad Aslam	Muhammad Iqbal	3088485004
154	Hakim Khan	Sherin	3329593382

### GTI Computer Operator 13-14-15/02/2020

155	Malik Muhammad Asif	Muhammad Azam	3034973913
156	Saqib Jaan	Mian Muhammad	3176344804
157	Muhammad Aftab Akram	Muhammad Akram	3051259960
158	Muhammad Shakeel Tahir	Ghulam Hussain	3117208756
159	Usama Zahoor	Zahoor Ahmed	3066780487

### Clinical Assistant

160	Muhammad Toqeer Ul Hassan	Riaz Hussain	30342060877
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161	Muhammad Naqi Haider	Ghazanfar Abbas	34517387322
162	Zakeel Akhter	Muhammad Akhter	3491753968
163	Muhammad Murtaza	Riaz Hussain	3110730438
164	Gul Hayat	Mazhar Hayat	3154122938
165	Muhammad Waqas Haider	Hafiz Muhammad Rafique	3059774515
166	Amir Adnan	Noor Zaman	3037610698
167	Abdul Wadood	Muhammad Masha	3056463611
168	Ahmed Shariq	Muhammad Khan	3165436462
169	Muhammad Sulman Haider	Rizwan Haider	3403764681
170	Adnan Safdar	Muhammad Safdar	3023838042
<b>Mohib Pur</b>			
171	Muhammad Waqas Haider	Syed Tajamal	3150750442
172	Nusrat Abbas	Nazim Hussain	3002778609
173	Syed Hamid Raza	Syed Ihne Hussain	3055570364
174	Murslin Ali Raza Shah	Asad Abbas	3076092382
175	Zulfiqar Ali	Ahmed Khan	3064384012
176	Hassan Danish	Rehmat Ullah	3040060229
177	Tanveer Abbas	Muhammad Taaz	3026395502
178	Shahzaib Saqib	Muhammad Shoaib	3017989546
179	Mehdi Hassan	Muhammad Mazhar Abbas	3086046281
180	Muhammad Shakeel Tahir	Ghulam Hussain	3117287756
181	Muhammad Aqeel Tahir	Ghulam Hussain	3117208763
182	Syed Amaise Hassan	Abdul Ali Shah	3046967658
<b>Pindi Mehrwal</b>			
183	Gul Zaman	Muhammad Ramzan	3090245923
184	Faisal Rehman	Muhammad Aslam	3078419661
185	Muhammad Toheed Ul Hassan	Muhammad Mumtaz	3042324292
186	Zafar Iqbal	Haji Ali Muhammad	3069263992
187	Muhammad Sohail	Ghulam Naqshband	3069805919
188	Muhammad Ramzan	Muhammad Shafi	3074825741
189	Abdul Waheed	Zafar Iqbal	3041645784
190	Muhammad Rafaqat Ali	Muhammad Riaz	
191	Mubashar Daraz	Umar Daraz	3035407454
192	Muhammad Qaiser Shehzad	Muhammad Riaz	
193	Muhammad Riaz	Rabnawaz	3455843398
194	Muhammad Fakher Zaman	Muhammad Fyyaz	3097078801
195	Talat Shehzad	Muhammad Awais	3032544591
196	Muhammad Sajid	Muhammad Mumtaz	3049323812
197	Muhammad Rizwan	Muhammad Ramzan	3066429102
198	Muhammad Mudassar	Ghulam Mustafa	3067099182
<b>Dhaak</b>			
199	Muhammad Rehman	Muhammad Ayub	
200	Zahid Iqbal	Nazar Hussain	3074871574
201	Asad Abbas	Mian Muhammad	3041140141

202	Muhammad Tahir Abbas	Nazar Hussain	3076774783
203	Hassan Binyamin	Muhammad Iqbal	3004113712
204	Safdar Riaz	Sharaf Din	3004843036
205	Muhamamd Bilal	Allah Bakhsh	3039643070
206	Saqib Nawaz	Muhammad Nawaz	3021612750
207	Muhammad Shehbaz	Muhammad Riaz	3054696652
208	Mudassar Hussain	Manzoor Hussain	3089080414
209	Safdar Nawaz	Akhter Nawaz	3047968705
210	Qasim Iqbal	Muhammad Iqbal	3046619729
<b>Choha 20-21-22/02/2020</b>			
211	Ahmed Nawaz	Muhamamd Nawaz	3327127560
212	Muhammad Ramzan	Munsab Muhammad	3354840681
213	Muhammad Ramzan	Mehr Muhammad	3320686862
214	Imam Bakhsh	Nazar Muhammad	3327127560
215	Muhammad Shaban	Muhammad Asgher	3357536935
216	Muhammad Amir Sultan	Dost Muhammad	3334634118
217	Muhammad Sabtain	Muhammad Ijaz	3317102997
218	Shanwa Zeeshan	Muhammad Ramzan	3332841142
219	Muhammad Farooq	Fateh Muhammad	3317953054
220	Muhammad Farooq	Altaf Hussain	3014071168
221	Sabir Nawaz	Muhammad Riaz	3349765684
222	Muhammad Sajjan Iqbal	Umar Hayat	3036318522
223	Muhammad Junaid	Muhammad Nasir	3476857573
<b>Jabbi Dhokri</b>			
224	Muhammad Irfan	Muhammad Khan	3332801139
225	Mudassar Iqbal	Muhammad Ibrahim	3404753411
226	Ameer Nawaz	Muhammad Nawaz	3415422150
227	Muhammad Shakeel	Muhammad Sadiq	3036796754
228	Muhammad Usman	Muhammad Ramzan	3028134109
229	Khalil Ur Rehman	Mian Muhammad	3033076602
230	Muhammad Noman	Muhammad Ramzan	3092176603
231	Hasib Nawaz	Dost Muhammad	3326271076
232	Muhammad Rehman	Muhammad Aslam	3320271076
233	Amjad Nawaz	Muhammad Nawaz	3478322905
234	Muhammad Kamran	Mian Muhammad	3441488007
235	Muhammad Umar	Muhammad Nawaz	3364137722
236	Nisar Ahmed	Mian Muhammad	3128817675
237	Muhammad Sajid	Muhammad Sadiq	3069431126
<b>Roda</b>			
238	Zahoor Ahmed	Manzoor Ahmed	3046068653
239	Muhammad Umair	Hafiq Qadeer Abbas	3059078768
240	Asad Naeem	Mehr Ali	3035843256
241	Muhammad Naeem	Ghulam Habib	3038538401
242	Sajawal Khan	Ghulam Shabir	3066113236

243	Muhammad Usman	Ghulam Abbas	3070575807
244	Muhammad Zeeshan	Muhammad Latif	3076026259
245	Mukhtar Ahmed	Abdul Sattar	3037971254
246	Adeel Shehzad	Habib Hussain	3087010035
247	Shahzad Hassan	Laskar Ali	3009148932
248	Abid Hussain	Talmeez ul Hussain	3014879519
249	Muhammad Asif	Muhammad Saddiq	3006787373
250	Dilfraz Khan	Muhammad Raouf	3016022866
251	Muhammad Arsalan	Muhammad Latif	3087015729
252	Alif Ur Rehman	Ubaid Ullah	3407517520
253	Mehfoz Khan	Khan Muhammad	3009786327
254	Amir Shehzad	Irshad Hussain	3026290068
255	Umar Daraz	Zulfiqar	3067915606
<b>Lukku</b>			
256	Sijjad Hussain	Mureed Hussain	3039505185
257	M Usama Ali	Muhammad Qadeer	3026016175
258	Muhammad Zubair	Muhammad Ehsan	3044045451
259	Muhammad Arif	Khuri Muhammad	3077000691
260	Abdul Qayum	Muhammad Saeed	3066009206
261	Muhammad Khalid Masood	Zulqarnain	3057143317
262	Muhammad Ehsan	Zafar Iqbal	3013204146
263	Hussain Jaleel	Ghulam Sabir	3034298038
264	Ghulam Fareed	Muhamamd Hayat	3057128502
265	Amir Shehzad	Muhammad Akber	3026233656
266	Anyat Ullah	Sana Ullah	3017062072
267	Abdul Hameed	Abdul Majeed	3016292059
268	Ghazanfar Iqbal	Shokat ali	3009124573
269	Shahid Iqbal	Liaqat Ali	3074838818
270	Ehsan Ullah	Ata Muhammad	3024470993
<b>Jamali Balochan</b>			
271	Abdul Qadoos	Muhammad Hayyat	3046607757
272	Faqeer Hayat	Nassar Hayat	3046605721
273	Tariq Naseeb	Muhammad Azam	3458373587
274	Noman Ijaz	Ijaz Hussain	3418488500
275	Abdul Basit	Abdul Sattar	3427481237
276	Muhammad Farooq Abdullah	Muhammad Hayyat	3467947623
277	Mudassar Islam	Muhammad Aslam	3008353083
278	Mubarik	Muhammad Azam	3458373587
279	Amjad Sher	Muhammad Sher	3024605472
280	Muhammad Waheed Anwar	Anwar Hussain Nadeem	3452719782
281	Muhammad Sharyar	Muhammad Riaz	3464702595
282	Muhammad Feroz	Fazal Ahmed	3022614963
283	Ammar Ali	Muhammad Zulqarnain	3452478325
284	Muhammad Mehboob Alam	Muhammad Hayat	3073715015

285	Muhammad Majid Ali	Umer Hayat	3401241336
286	Ayaz Ali Khan	Muhammad Zulqarnain	3022192019
287	Muhammad Zeeshan	Zia Muhammad	3087772998
288	Ameen Ul Hasnat Khan	Qalab Sher Khan	3452477566

## ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies					Provincial Constituencies				
Sr #	Name of constituency	Name of Sitting Parliamentarian	Profession	Contact Number	Sr #	Name of constituency	Name of Sitting Parliamentarian	Profession	Contact Number
1	Khushab , Noorpr Thal	Ehsan Ullah Tiwan	landlord	030055 0094	1	Khushab	Gulam Rasool Sagha	Landlord	03006041 865
					2	Quaidabad	Fathe Khaliq Bandial	Landlord	03006079 300
2	Quaidabad , Naushera	Umer Aslam	landlord	030087 09870	3	Noorpur Thal	Waris Kalu	Landlord	03009445 875

## ANNEX X: LOCAL GOVERNMENT

### District and Tehsil Level

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	District	Khushab DD	Ch Ajaz Ahmad		03468632963
2	Tehsil	Khushab	Muhammad Farooq		03006076371
3	Chief Officer District Council Khushab.	Khushab	MUHAMMAD AZAM	0454-920001	03016748122
4	Chief Officer Municipal Committee, Khushab.	Khushab	MUHAMMAD AZAM	0454712461	03016748122
5	Chief Officer Municipal Committee, Jauharabad.	Khushab	ABDUL RAZZAQ	03064821034	03064821034
6	Chief Officer Municipal Committee, Hadli & Noorpur.	Khushab	SYED SALEEM IQBAL SHAH	0300-6327306	0300-6327306
7	Chief Officer Municipal Committee, Mitha Tiwana.	Khushab	MALIK MUHAMMAD BASHIR	0454-730017	0301-6774516
8	Chief Officer Municipal Committee, Quaidabad.	Quaidabad.	AZHAR KHAN	03016766186	03016766186
9	Chief Officer Municipal Committee, Naushera	Naushera	AKHTAR NAWAZ	0301-5695818	0301-5695818
10					
11					
12					
13					
14					

### Town Level

S#	Tehsil	TC	Chair	Chair Contact	Vice Chair	VC Contact
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

S#	Tehsil	TC	Chair	Chair Contact	Vice Chair	VC Contact
13						
14						
15						
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# 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 Reposrting Proforma

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.
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**P10: Control Room**

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

District: \_\_\_\_\_

Focal Person: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

Land	3.0-4.5 square meter per person
<b>Shelter</b>	3.5 square meter per person
<b>Water</b>	15-20 liters per person per day
<b>Food</b>	2100 kcal per person per day
<b>Toilet</b>	One per family of 6-10 persons
<b>Health Centre</b>	One per 20,000 persons
<b>Child Friendly Spaces</b>	2-4 year olds- 15 children:2 facilitators
	5-9 year olds-20 children : 2 facilitators
	10-18 year olds- 30 children :2 facilitators
<b>Hospital</b>	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)
<b>SARGODHA ZONE</b>			
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
<b>Total in feet.</b>			<b>25,413</b>
<b>Total in Miles.</b>			<b>4.81</b>
<b>PMO BARRAGES</b>			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
<b>Total in feet.</b>			<b>25,080</b>
<b>Total in Miles.</b>			<b>4.75</b>
<b>FAISALABAD DIVISION</b>			
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
<b>Total in feet.</b>			<b>296888</b>
<b>Total in Miles.</b>			<b>56.22</b>
<b>BAHAWALPUR ZONE</b>			
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
<b>Total in feet.</b>			<b>266,023</b>
<b>Total in Miles.</b>			<b>50.23</b>
<b>MULTAN ZONE.</b>			
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
<b>Total in feet.</b>			<b>280,210</b>
<b>Total in Miles.</b>			<b>53.07</b>
<b>D.G.KHAN ZONE</b>			
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
<b>Total in feet.</b>			<b>913,785</b>
<b>Total in miles</b>			<b>173.06</b>

<b>LBDC(IP)</b>			
1	Balloki Head works Division	Left Marginal Bund	28,350
2	do	Right Marginal Bund	26,500
<b>Total in Feet</b>			<b>54,850</b>
<b>Total in miles</b>			<b>10.38</b>
<b>LAHORE ZONE</b>			
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
<b>Total in Feet</b>			<b>169,295</b>
<b>Total in miles</b>			<b>32</b>
<b>Grand total in miles</b>			

**INFORMATION REGARDING FLOOD BUND CATEGORY B**

S#	Name of Division	Name of Embankment / Bund	Length (ft.)
<b>SARGODHA ZONE</b>			
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
<b>Total in feet.</b>			<b>35,000</b>
<b>Total in miles</b>			<b>6.63</b>
<b>FAISALABAD ZONE</b>			
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
<b>Total in feet.</b>			<b>165,000</b>
<b>Total in miles</b>			<b>31.25</b>
<b>BAHAWALPUR ZONE</b>			
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
<b>Total in feet.</b>			<b>290,000</b>
<b>Total in miles</b>			<b>54.92</b>
<b>MULTAN ZONE</b>			

1	Trimmu Division	-do-	80,000
2	Suleimanki Division	-do-	50,000
3	Shujabad Canal Division	-do-	60,000
	<b>Total in feet.</b>		<b>190,000</b>
	<b>Total in miles</b>		<b>35.98</b>
<b>D.G.KHAN ZONE</b>			
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
	<b>Total in feet.</b>		<b>630,000</b>
	<b>Total in miles</b>		<b>119.32</b>
<b>LBDC (IP)</b>			
1	Balloki Headworks Division	-do-	40,000
2	Okara Division	-do-	40,000
3	Sahiwal Division	-do-	20,000
	<b>Total in feet.</b>		<b>100,000</b>
	<b>Total in miles</b>		<b>18.94</b>
<b>LAHORE ZONE</b>			
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
	<b>Total in feet.</b>		<b>422,000</b>
	<b>Total in miles</b>		<b>79.92</b>
<b>PMO BARRAGES</b>			
1	Jinnah Barrage	-do-	20,000
	<b>Total in feet.</b>		<b>20,000</b>
	<b>Total in miles</b>		<b>3.79</b>
	<b>Grand Total (in miles)</b>		<b>350.76</b>

## 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.