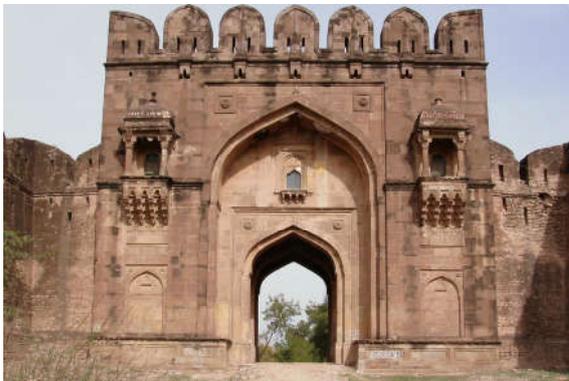


# DISTRICT DISASTER MANAGEMENT PLAN 2020

Division: Rawalpindi  
District: Jhelum



Rohtas Fort



IG Punjab visiting Chipboard Factory Jhelum Nov 2015



Flood Activity



Fire incident Chipboard Factory, Jhelum – Nov 2015

Prepared by: District Government, Jhelum

Approved by: Deputy Commissioner, Jhelum



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Estimated number of people at risk of **hill torrent** in 2016



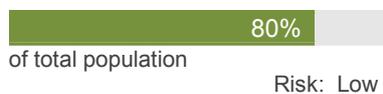
XX

Estimated number of people at risk of **Hill Torrent** in 2016



XX

Estimated number of people at risk of **earthquake** in 2016



XX

Estimated number of people at risk of **epidemic** in 2016



## EXECUTIVE SUMMARY

Jhelum is susceptible to a variety of disasters but the geographical location and climatic conditions make it more vulnerable to moon soon floods. Flood in the district have caused heavy loss of life, property, infrastructure and livelihood of people. The availability of resources, preparedness, planning and institutional / organizational capacity has always been an asset of district Jhelum. The purpose of this plan is to ascertain the roles & responsibilities of different stake holders, and to develop coordination mechanisms for immediate response and fast track rehabilitation.

The plan classifies small, medium and large scale disasters to articulate the corresponding response. The plan integrates the role and responsibilities of various district, provincial and federal government departments in coordination with stake holders from private sector with a consistent approach for reporting damages, needs and relief assessment.

The plan has been designed on the risk management standards engaging the philosophy of a multi agencies and multi structure approach to risk minimization. The plan identifies the risk environment for the district Jhelum and outlines the key institutional and programing components relative to effective risk management and emergency response and recovery.

The plan is an organic document which may be extended in the future to incorporate any additional risk treatment options as they are identified through formal risk analysis.

## 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	1,222,650
2.	No. of Tehsils	4
3.	No. of UCs	44
4.	No. of Revenue Estates	12
5.	Population Density (people per km <sup>2</sup> )	335
6.	Family Size	6.2
7.	Pop Growth Rate	1.61
8.	PCI	1509/ month
9.	District GDP/Annual Income	
10.	Poverty Rate	16% urban and 44% rural
11.	Patient/Doctor Ratio	9645/1
12.	AMR	
13.	IMR	59/1000
14.	MMR	
15.	Literacy Rate	74%
16.	Global Acute Malnutrition (GAM) rate	
17.	Severe Acute Malnutrition (SAM) rate	
18.	Percentage of population having access to clean drinking water	
19.	Annual Crime	3100 (2015)

### Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1.220M	601,964	620,636			

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
858767 acres	316815 acres		

### Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
74%	82%	57%	91%	79%	78%	59%

Source/Note: Click here to enter text.

## Government Schools

		Schools	Enrollment
Total/ Overall		840	151117
Boys	Primary	174	65606
	Middle	53	
	High	81	
Girls	Primary	368	85511
	Middle	76	
	High	88	
Co-Education	Primary	0	
	Middle	0	
	High	0	
Special Education			

## Private Schools

		Schools	Enrollment
Total/ Overall		906	
Boys	Primary	0	168
	Middle	168	
	High	139	
Girls	Primary	0	209
	Middle	230	
	High	209	
Co-Education	Primary	160	0
	Middle	0	
	High	0	
Special Education			

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

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	12	01		01	03	17
No of Students						

## Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	83	3	0	43	132
Annual OPDs	1,388,095	623,143	0	511,509	2,522,747
No of beds	178	176	0	456	810
Doctors Available	65	130	0	90	285
Paramedical staff	316	83	0	235	634
Ambulances available	0	0	0	5	5
Mobile Medical Units					

**Livestock:** Small Animals (goats, sheep etc.): 179893      Big Animals (cows, buffalos, camel etc.) 217882

## 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

## 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)	Remarks
1	1992								Almost 70% population of Dist. Jheum affected
2	2014	4435	13	116	-	120	112855750	-	All 13 deaths due to rain

## Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	1992	Flood			Almost 70% population of Dist. Jheum effeted
2	2014	Flood	4435	13	

## General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Gujrat, Mandi bahauddin, Sargodha (Flood) Rawalpindi urban flooding (Nullah Lai, terrorist attack)
Topographical Features	Coordinates:  <u>32°56'00"N 73°44'00"E</u>  District Jhelum has four Tehsils & 54 UC's  Union councils 44  Total Area 3587 sq km Salt Range, Two Coal mines
Weather/Climate pattern	The climate of the track is extreme in winter. Temp falls to 5°C while the summer is very hot. Temp rises to 45°C. Average annual rainfall 48 to 69 mm per annum. The average rainfall varies from 20 to 40 inches per annum.
Major Rivers	River Jhelum 150 km almost in district Jhelum Mangla Dam storage capacity 7.39 maf (73,90000 acr feet) water conservation level 1242 feet Rasool Barrage discharge capacity 24070 cubic meter per second
Major Nullahs / Streams	Nullah Kahan Nullah Bunhan
Motorway/Highway	Motorway & NHA bridge over river Jhelum Haranpur (Victoria Bridge) National Highway Traki
Railways	Bridge on river Jhelum, Bridge on Traki, Victoria Bridge in haranpur
Geological features	Khewra Salt mine

## Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
Garat	15 Km south of Dina Town Distt Jhelum	33°4'20"N 73°31'47" E -	222 7.5 Aft	955.50 Ft	NIL	
Jammerral	Near Jammerral Village about 50 KM South West of Jhelum City Tehsil & Distt Jhelum	32°44'38" N 73°28'42" E -	300 2 Aft	897 ft	NIL	
Tainpura I	Near Ratwal Railway station about 6 K.M North West of Dina Distt;Jhelum	33°4'20"N 73°31'47" E -	730 0 Aft	1008 Ft	NIL	
Tainpura II	12 K.M North West of Dina town District Jhelum	33°3'24"N 73°31'16" E -	174 7 Aft	1024 Ft	NIL	
Lehri	14 Km North West of Dina town	33°1'30"N 73°19'20" E -	570 5 Aft	1007 Ft	NIL	
Salial	Near Salial Village about 40 KM South West of Dina Town Tehsil Sohawa Distt Jhelum	32°52'39" N 73°24'33" E -	527 Aft	1153 ft	NIL	
Shah Habib	Near Jammerral Village about 50 KM South West of Jhelum City Tehsil & Distt Jhelum		929 Aft	920.43 ft	NIL	Dam is below Dead Storage Level
FatehPur	34 Km South West of Domeli Town and 84 Km from Jhelum City	32°53'40" N 73°12'22" E -	173 3 Aft	1548 Ft	NIL	
Domeli	3 Km North West of Domeli town	33°1'30"N 73°19'20" E -	869 0 Aft	1188 Ft	NIL	
Gurha Uttam Singh	Near Gurha Utam Singh Village about 20 KM South West of Domeli Town Tehsil Sohawa Distt Jhelum	32°57'47" N 73°13'52" E	267 9 Aft	1400 ft	NIL	

## 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		
Nil	Nil	Nil	Nil	Nil	Nil	Nil	

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Kala Gujran	132 KV		Pinanwal	132 KV	
Dina	132 KV		Dandot	132 KV	
Baragawa	132 KV		Gharebawal Cement	68 KV	
			Dhandot Cement factory	132 KV	

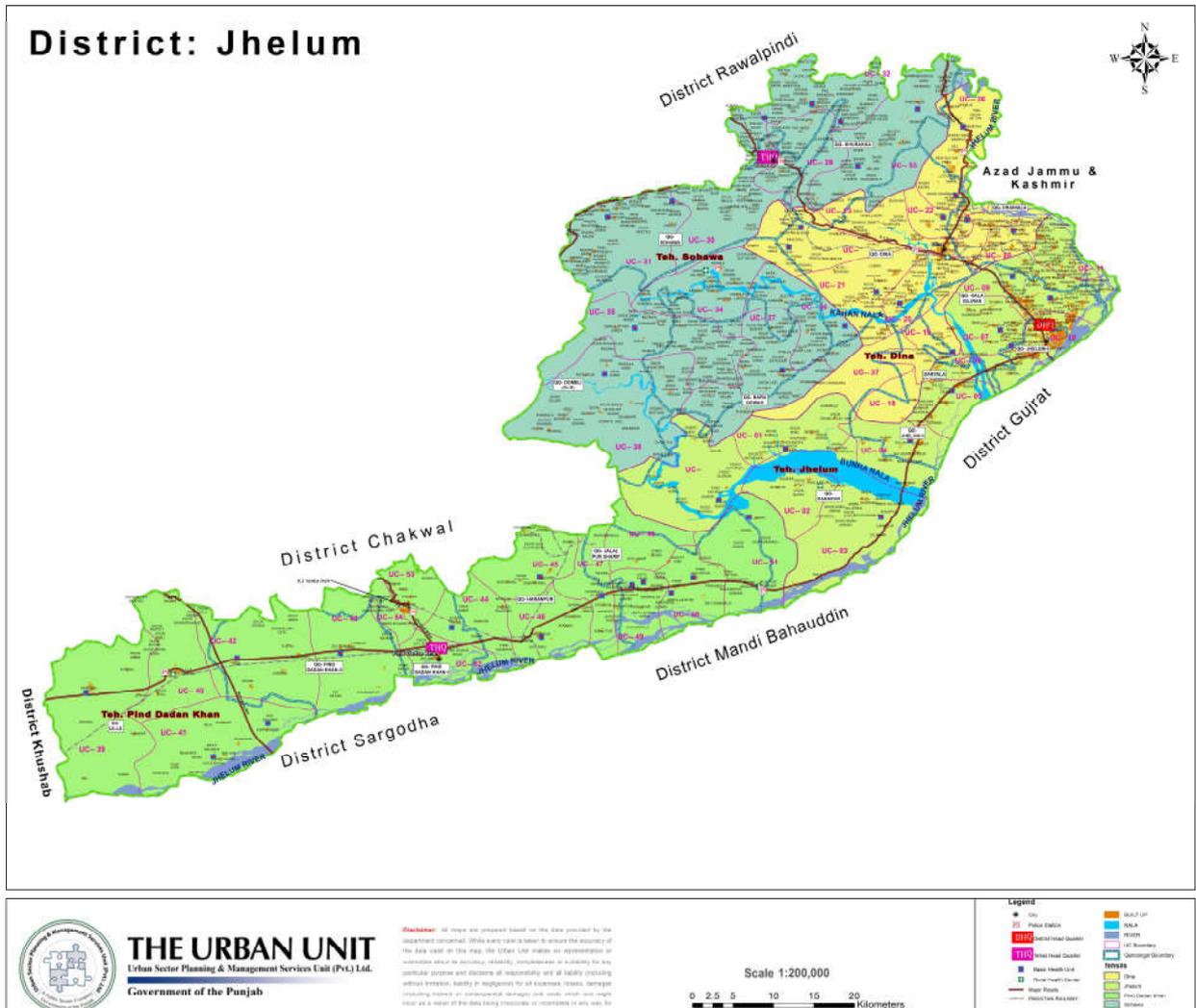
## Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Nil	Nil	Nil	Nil	Nil	Nil

## Govt. storage facilities/warehouses in the district

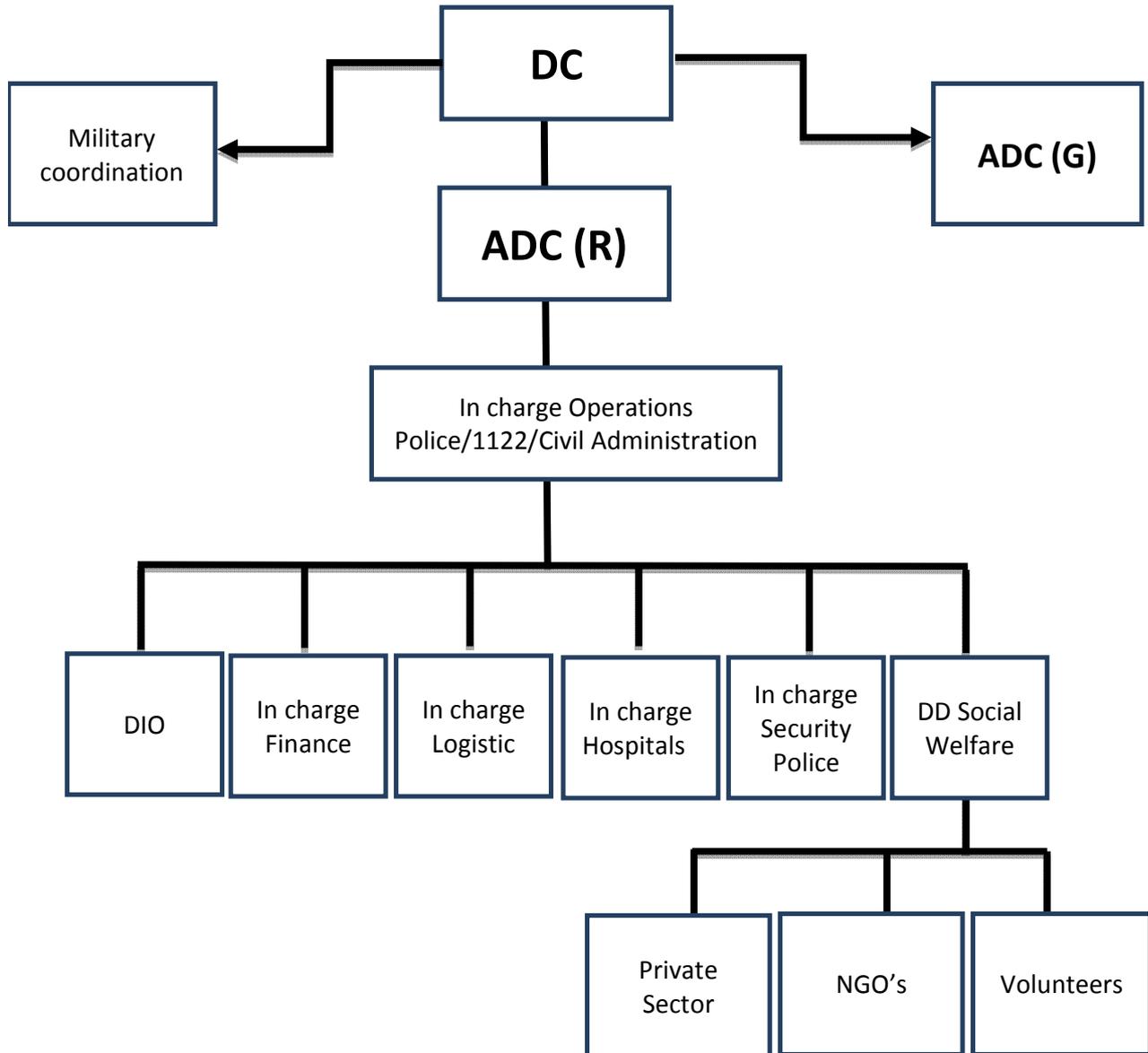
Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Jhelum CVH			District Council Hall Jhelum		32.943363, 73.740108
PD Khan CVH					
Jalalpur CVH					

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 programs for different levels of officers, employees and voluntary rescue workers in the district;
- j) facilitate community training and awareness programs 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 centers 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 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, CEOs, 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 are 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 Defense 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

#### **Tehsil / Municipal Administration (M.C)**

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

- MCs employ de-watering sets to remove excess water. All MCs are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The M.C maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- M.C 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 M.C under the concerned Administrator i.e ADC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort, the local MCs 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 Defense, 1122, MCs 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 M.C's.
- 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 Deputy Commissioner (R). The ADC (R) would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
  - i. **Deputy Commissioner (Chairperson)**
  - ii. District Police Officer
  - iii. Chief Executive Officer (Health)
  - iv. Chief Executive Officer (Education)
  - v. Chief Officer, Municipal Corporation
  - vi. District Emergency Officer, Rescue 1122 (Secretary)
  - vii. Secretary, District Transport Authority
- District Governments 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 have to maintain updated

information regarding the threat of disaster and statistics post disaster. The centre will maintain a regular communication with the Flood Forecasting Division or the dam authorities up stream in case of a flood.

- The District Government would immediately mobilize the equipment needed to tackle the challenges created by a disaster. The District Governments will provide a comprehensive list of flood fighting equipment to PDMA as part of their flood contingency plans.
- CEO (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.
- CEO (Agriculture) and AD 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)**

A Disaster Emergency Control Room working around the clock will be established at district level for effective coordination and mutual support among the different departments and agencies.

#### **Functions of Control Room:**

##### **RECEIPT OF WARNINGS:**

Warnings of natural disaster (e.g, floods, earthquakes etc) will be issued in the first instance by the bureau of meteorology and the officer in charge is responsible to ensure that the information is immediately forwarded to the chairperson of the district emergency board. In the event of a manmade disaster warning would be issued by the designated control authority (Police, Rescue 1122 etc) to the chairperson.

##### **WARNING DISTRIBUTION:**

Upon the implementation of this plan, all public warnings will be distributed through the Disaster Co-ordination centre upon recommendation of the relevant control authority and on the authorization of the Chairperson.

##### **PUBLIC INFORMATION:**

The distribution of the contact or telephone numbers to the public for disaster information will be the responsibility of and at the discretion of the Chairperson.

##### **COORDINATION AMONG DIFFERENT DEPARTMENTS AND AGENCIES:**

It will be responsible for the coordination among different departments and agencies. The required resources will be mobilized and provided at the operational site.

##### **REPORTING:**

Any request for assistance from outside the district are to be made by the Chairperson.

##### **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 Defense 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 centre 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 centres 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**

The Pakistan army's resources are employed for immediate search, rescue and evacuation. The Army is called in the 'Aid of Civil Power' only when a disaster overwhelms the resources at the disposal of the Government of Punjab. Search, rescue and evacuation are the primary responsibilities of the 'Disaster Response Force' so if the resources of this force fall short, the Army is immediately called in. The Army's setup in Punjab is administratively divided into six Corps with a Corps Commander leading each Corps. The District Coordination Officer of the affected district would request the relevant Army Authorities for aid of Army upon the approval of the Home Department. The Standard Operating Procedure of requesting the support of the Army is to route the DC's request through Home Department, and the Ministry of Defense. The Ministry would inform the General Headquarters (GHQ) and officers at GHQ would request the relevant Corps Commander to activate the Garrison Officer Incharge and the Brigadier responsible for leading the on ground operations. PDMA has equipped the Army with 850 boats for rescue and evacuation. In addition to the on ground movement, the Army can also provide the necessary air support for reconnaissance, relief and rescue missions. PDMA pays for the maintenance expenditures of the 850 boats mentioned earlier. In the same manner, all of Army's expenditures on disaster response are debited to the requisitioning civil authority.

The Army plays a substantial role in the opening of breaching sections. The Irrigation department is responsible for the maintenance of manageable discharge rates in the major rivers of Punjab. If the water flow exceeds a set discharge rate, the breaching section is opened with the help of explosives and excessive water is diverted into a designated area. The Breaching Section Committee responsible for the opening of the section, contains a military representative, which is usually a representative of the respective formation Headquarters not below the rank of Lieutenant Colonel. In case a disaster disrupts the existing telecommunication channels in a certain area, the Army would spearhead or assist the installation of wireless stations. In case of high floods, the respective Corps Commander would setup a Flood Relief Committee, consisting of but not limited to Commander Corps Engineer, Commander Corps Signals, Chief of Staff, Colonel General Staff, Colonel Administration etc

**Volunteer Network**

The office of Civil Defence assists in the evacuation of people and their household properties from the disaster affected areas. The office engages a large number of volunteers for search, rescue, evacuation and disbursement of relief goods. These volunteers generally known as "Razakars" are usually trained in swimming, basic rescue techniques, first aid etc. Razakars build their skills in simulation and mock exercises. The Civil Defence collaborates with Punjab Emergency Services (Rescue 1122) in sophisticated search, rescue and evacuation operations.

The District officer organizes mobile squads of Razakars and scouts in collaboration with local wardens and scout organizations to assist local administration/army, Rescue 1122 in evacuation and other disaster response activities. Razakars manage and utilize generators, search lights, and other lifesaving equipment. Razakars that know how to swim and dive are utilized for specialized water rescue. Razakars provide first aid to injured victims before transporting them to hospitals. These volunteers also assist the fire brigade in rescue, and Health department's representatives in the treatment of injured victims. The Civil Defense also assists the District Administration and Police in setting up information system for members of public, whose relatives, friends and family members are missing.

# RISK ANALYSIS

## 1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	3	3	9
Urban Flooding	3	1	3
Flash Floods	4	3	12
Hill Torrent	2	2	4
Glacial Lake Outburst Flood (GLOF)	1	1	1
Landslide	1	1	1
Tornado	1	1	1
Earthquake	4	1	4
Drought	1	1	1
Epidemic	1	1	1
Fire Incidents	3	2	6
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	4	3	12
Environmental Hazards (industrial accidents, severe pollution etc.)	1	1	1

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

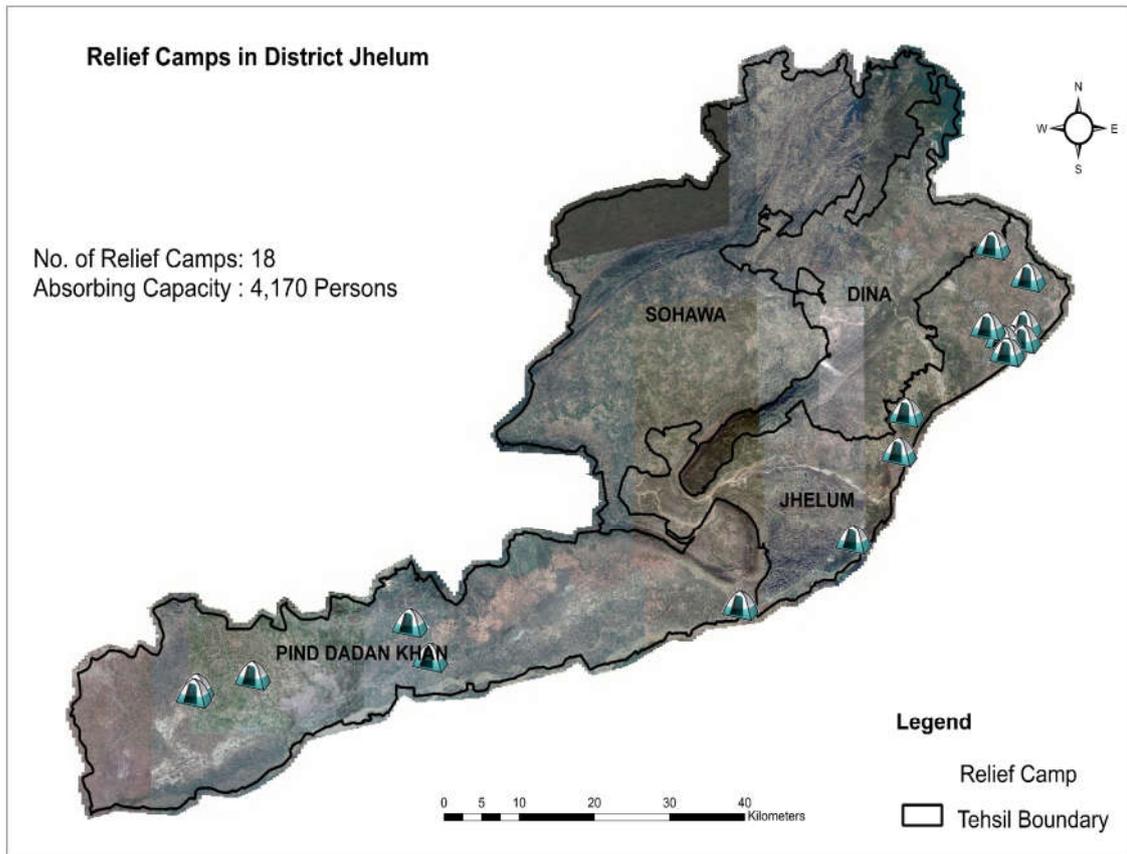
High : 15-25

## 2. Hazards

The district administration of Jhelum has adopted a multi hazard approach to plan and strategize disaster response system. Based on consultations with different government stakeholders, most common form of hazard in the area are flash, seasonal and urban floods. Besides this area has been prone to fire incidents and road/building accidents. Following table summarizes risk assessment of different hazards in the area 1.

<sup>1</sup> Derived from information provided by Rescue 1122

District detail map with vulnerable points, hazards, planned camps, health facilities, warehouses etc.



Response & Operational Capacity

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

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	24	24	Nil	Nil
OBM	24	24	Nil	Nil
De-watering sets	17	15	02	Nil
Navigators	0	0	Nil	Nil
GIS devices	0	0	Nil	Nil
Life Jackets	240	240	Nil	100 child
Life Ring	27	27	Nil	Nil
Life Lines	06	06	Nil	Nil
Scuba diving suit with complete accessories	02	02	Nil	Nil
First Aid Kits	13	13	Nil	Nil
Rescue Bag	0	0	Nil	Nil
Safety Harnesses	10	10	Nil	Nil
Ambulances	11	11	Nil	Nil
Fire Brigade	05	05	Nil	Nil
Water Tanks / Bouzers	10	10	Nil	Nil
Extendable Ladders	03	03	Nil	Nil
Hydraulic Cutter	01	01	Nil	Nil
Sonar Rader	0	0	Nil	Nil
Jumping Sheet	03	03	Nil	Nil
Dumpers	0	0	Nil	Nil
Excavators	0	0	Nil	Nil
Cranes	0	0	Nil	Nil
Bulldozer	0	0	Nil	Nil
Boat Carrier/Trolleys	03	03	Nil	Nil
Pickups/Jeeps/4x4 vehicles/Mini Trucks	08	08	Nil	Nil
Searchlight	40	40	Nil	Nil
Tent	402	402	Nil	Nil
Mosquito Net	553	553	Nil	Nil
Plastic Mat	542	542	Nil	Nil
Blanket	0	0	Nil	Nil
Any other main relief/rescue equipment	0	0	Nil	Nil
Generator Sets	04	04	Nil	Nil
Gas-Cutters	0	0	Nil	Nil
Sonar Radars	0	0	Nil	Nil
Generator Mounted Lights	0	0	Nil	05
Navigator/GPS Tracker	0	0	Nil	Nil
Floating Rope	0	0	Nil	Nil

## 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.)*

### **CAPACITY GAPS:**

- Lack of trained volunteers
- Deficiency of OBMs and Boats
- Non availability of relevant heads of budget for rescue operation and procurement in emergency funds provided to district government.

### **MAJOR OBSTACLES TO PROVIDING HUMANITARIAN ASSISTANCE:**

- Insecurity of workers working during disaster.
- Lack of knowledge of other agencies roles & responsibilities
- Lack of inter-agency coordination.
- Recognition of different obstacles associated with different locations.
- Increase work load
- Water rescue operation is allowed in day light only.
- Lack of information sharing.
- Far flung areas.
- Low lying areas.
- Poor road conditions.
- More reaction time required.
- Reluctance of residents of vulnerable area to evacuate.

## MITIGATION STRATEGY

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

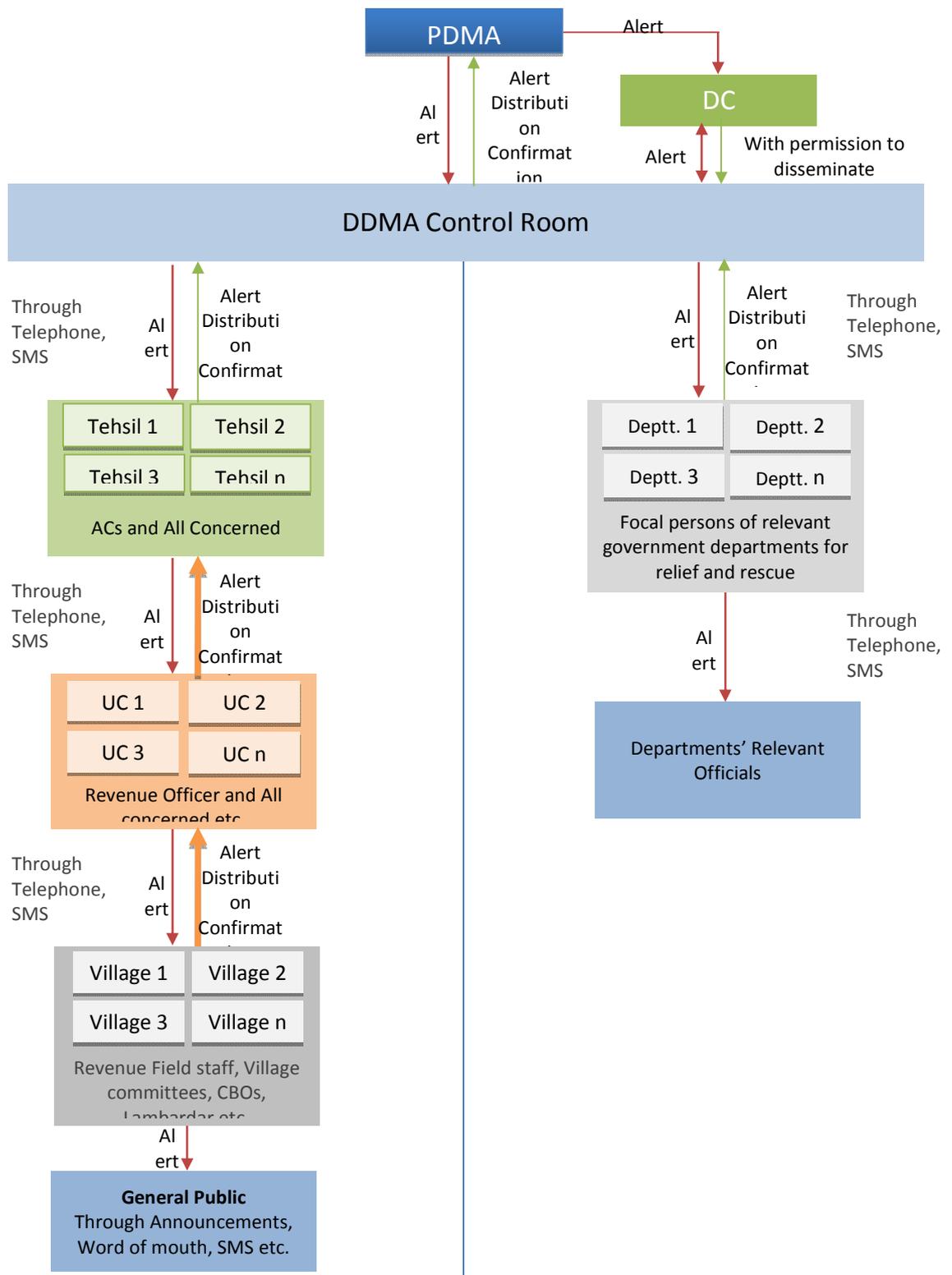
Hazards	Mitigate Actions	Responsible Department
Floods	Liaison with IRSA and WAPDA authorities through FMC	District government
	Repair of embankments/ bunds	Irrigation
	Community awareness	Civil Defense
Urban Flooding	Cleaning of sewerage	District government
	Community awareness	Civil Defense
Flash Floods	Construct surrounding bunds around vulnerable areas Restrict people to construct their houses at vulnerable areas. The de-silting of nallah, canals and rivers. Diverting water of nallah and canals.	Irrigation District government
Hill Torrent	construction/ Repair of bunds	Irrigation
Glacial Lake Outburst Flood (GLOF)		
Landslide	Planting trees	Forest department

Tornado		
Earthquake	Constructing earth quick resistance buildings	District government M.C
Drought		
Epidemic	Vaccination Health Education Collection of proper data	Health
Fire Incidents	Survey of vulnerable buildings  Survey of vulnerable factories  Implementation of building codes. Training of employed staff. Community awareness Handling of Proper disposable material	Civil defense & Building department  Civil defense & Labor department  M.C Rescue1122  Environment M.C

<p>Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)</p>	<p>Identification &amp; removal of black spots</p> <p>Community awareness</p> <p>Implementation of traffic rules</p> <p>Permanent Resettlement of vulnerable buildings</p>	<p>Rescue 1122 District government</p> <p>Rescue1122</p> <p>Traffic police</p> <p>District government</p>
<p>Environmental Hazards (industrial accidents, severe pollution etc.)</p>	<p>Training of employed staff.</p> <p>Community awareness</p> <p>Survey of vulnerable buildings</p> <p>Survey of vulnerable factories</p> <p>Handling of Proper disposal material</p>	<p>Rescue1122</p> <p>Civil Defense</p> <p>Civil defense &amp; building department</p> <p>Civil defense &amp; labor department Environment , M.C</p>

# EARLY WARNING

## INFORMATION FLOW DIAGRAM



## 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> (Alert) (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 DCO and DPO shall grant leave according to the situation.</p>
<p><b>Level-B</b> (High Alert) (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, TMA etc) facilities shall work 24/7 with full staff strength. DDMA shall monitor the situation on hourly basis.</p>
<p><b>Level-A</b> (Red Alert) (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

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.

### RECEIPT OF WARNING

The early warning is received from resources like PDMA, Pakistan metrological department (heavy rains / wind or storms), Hydrological department Wapda Mangla dam,( flood / dam out flow), Rescue 1122 (Road accidents, Fires, Building Collapse, Drowning), Civil defense & police (riots, violence, terrorist activities), Health (epidemics) through emails, phone calls & sms depending upon the nature & gravity of the warning.

### HYDROLOGY DEPARTMENT

The main source of early warning for flood is hydrology department mangla dam which is generating information collected from flood warning stations situated in (mangla catchment areas) Muzafarabad, Talhata, Domel, Chattar Kalas, Azad Patten, Kotli.

The district control room is established in office of the civil defense and district officer civil defense is the focal person of district control room.

### FUNCTIONS OF CONTROL ROOM

- Information collection & dissemination
- To establish Coordination among departments.
- Communicate with concerned department (depending upon the nature & gravity of the warning)
- Resource dispatching and tracking.
- Warning distribution among govt department, public & media.

The information received at district control room is dispatched to the concerned department (focal person / district head) through email, sms or phone call depending upon the severity of the warning after getting clearance from chairman DDMA.

### MODE OF COMMUNICATION OF EARLY WARNING TO RELEVANT POPULATION

The relevant warnings to concerned population is passed in three phases

#### PHASE 1

Notices are served through patwari and gardawar to the concerned residents of vulnerable area regarding alternate arrangements for expensive items/goods in case of emergency evacuation.

#### PHASE 2

Mock exercises and drills are conducted through relevant departments regarding evacuation.

#### PHASE 3

In this phase the warnings are issued through sirens, announcements through loud speaker/mega phone and electronic media when DDMA issues high alert of level B.

## RESCUE STRATEGY

### EVACUATION:

Emergency evacuation is the rapid removal of people from a threatened environment to a safer place Punjab Emergency Services and Civil Defense, along with the implementing arms of the Home department are primarily responsible for evacuation of the affected people. Their key personnel should be trained in various evacuation techniques for the different types of disasters. The transportation plan for evacuation would be formulated in close consultation with Punjab Emergency Services, Punjab Police, the Communication & Works department and the Transport department. The department of Civil Defense along with the Education department would mobilize groups of Razakars and Scouts to assist the evacuation process. Evacuation is prioritized on a need basis. The first to be evacuated are seriously injured or bedridden patients followed by handicapped or disabled persons, pregnant women, elderly persons, children and women. The rapid evacuation of injured persons by the concerned agencies has to follow a simple color tagging process that prioritizes the patients that are in most urgent need of medical assistance. Evacuation would be coordinated by the PDMA & would be ordered by DC considering the on-ground scenario. Forced evacuation can also be ordered by the DC in the face of clear and present danger.

### GUIDELINES FOR EFFICIENT EVACUATION

Search & Rescue are the foremost activities of the evacuation process. Most of the resources would be dedicated to these activities during the initial 12 hours after the disaster. Alongside, relief camps would be set up in safe areas that are easily accessible from all sides. The locations of relief camps in districts have been duly indicated in the flood contingency plans issued by the District Governments. These camp sites would be equipped with proper medical, water and sanitation facilities by the District Governments. Evacuation routes to the identified camps would be rapidly planned and informed to the personnel undertaking the search and rescue operations. All efforts would also be made to engage Government and private transport vehicles for the evacuation of victims along these identified routes. The staff of Punjab Emergency Services is well trained in carrying out timely and effectively coordinated operations to locate and rescue persons in distress and deliver them to a place of safety. Any harm to a rescuer should be averted as he/she is the most important person in a rescue attempt. Families would preferably be evacuated together as one unit, minimizing chances of separation in a family. Evacuation of children without families would only be undertaken as a last resort and with the ultimate goal of earliest reunification. The best interest of the child would be considered while making the decision to evacuate.

### MEDICAL ASSISTANCE:

The victims of a disaster would most probably require immediate medical assistance due to injury, psychological trauma or general health problems such as diarrhea, cholera, high fever, flu, cough, eyes infection etc. Mobile clinics would immediately be setup in the affected areas. These clinics would be equipped with both clinical and human resource to enable them to cater to medical needs of a large number of victims. The Health Department would be the lead agencies in this regard. However, the assistance of NGOs would also be solicited. The clinics and hospitals in the vicinity of the affected area would maintain a record of all patients to be able to identify any epidemic outbreaks that would further increase the spread of disease. The Social Welfare department would take all measures to rehabilitate orphans, destitute women and other vulnerable elements of the affected population.

### PAKISTAN ARMY:

The Pakistan army's resources are employed for immediate search, rescue and evacuation. The Army is called in the 'Aid of Civil Power' only when a disaster overwhelms the resources at the disposal of the district Government. Search, rescue and evacuation are the primary responsibilities of the 'Disaster Response Force' so if the resources of this force fall short, the Army is immediately called in. List of relief camps **Annex-1**

## HUMANITARIAN ASSISTANCE

Immediate evacuation is followed by an assessment of all that is needed to overcome the effects of disaster. Available resources have to be deployed to the neediest people and so this strategizing must be based on reasonable assessment of the disaster, and the subsequent needs of the effected communities. The initial rapid assessment is the exercise of collecting information in order to identify the basic needs such as food, shelter, water, sanitation, medicines etc. The rapid assessment would be completed in first 48 to 72 hours to get an immediate picture of extent of disaster. The rapid assessment would evaluate whether the local capacity is adequate or external resources are required to provide immediate assistance. The PDMA has provided the data collection forms for collection and communication of data to higher authorities.

### RELIEF MANAGEMENT - FOOD AND NON FOOD ITEMS:

An ideal distribution system is safe, accessible and transparent to the intended beneficiaries. Distribution must take into account the recipient's physical capabilities. Food is the foremost relief item that the worst affected communities require on an immediate basis. In the first few days after the disaster, the Government would provide ready to eat food items. Subsequently, food disbursement would shift to provision of dry ration.

Special attention and priority should be given to the persons with disability, elderly persons heading household, women and adolescent heading household. Presence of child protection/social protection actors at distribution points would be ensured as this can serve multiple purposes including identifying of separated unaccompanied children.

Child headed households and separated/unaccompanied children would be given food distribution cards in their own name in a manner that does not cause further separations.

Relief management ensures the sustenance of large numbers of evacuees that are not able to carry the items of everyday use with them. The Government can provide respite by providing certain food and non-food items such as cloths, blankets, cooking utensils, hygiene kits, buckets, plastic sheeting, sleeping mats, water jerry cans, washing powder etc. The main purpose of the relief management is to provide life sustaining commodities to the affected communities in a fair and organized system.

### FOOD ITEMS

An initial assessment would be undertaken to identify the number and demographics of the affected population to estimate the quantity and type of food required. This assessment would also factor the food available in local markets in the vicinity of the affected regions.

The nutritional needs of pregnant women, lactating mothers and malnourished children would be catered to on the highest priority. The food package would be enough to provide 2100 K calories/person/day. Food provided to the communities would be of good quality.

Beneficiaries would be informed in advance about the distribution points, date, time and procedure. All measures would be adopted to counter the unethical Collection of relief packages by outsiders that portray themselves as victims of a disaster. Special attention would be paid to persons with disabilities, elderly, women and stranded children.

Food distribution would be coordinated among all organizations to avoid any duplication or under serving the distribution points would be decided in consultation with local communities keeping in mind the convenience of

recipients and the ease with which supplies can be transported to the point. The distribution points would be accessible to women, elderly persons, person with disabilities and children.

A complaint cell would be established for every ten distribution points allowing the beneficiaries to redress their grievances about the quality, quantity, and distribution and targeting procedures. The selection and registration of affecters, distribution methodology, selection of distribution points, and monitoring of the distribution would be transparent, equitable and mindful of local traditions.

### **NON-FOOD ITEMS**

Non-Food Items are provided to the displaced personnel to help them establish themselves in a new environment that they are forced into. Plates, buckets, jerry cans, and water storage vessels can allow the affectees to store and prepare their food for gradual consumption. The immediate provision of clothing and bedding gives a feeling of comfort, dignity and safety. In the same manner as other relief goods, preference must be given to women, children, elderly and the disabled.

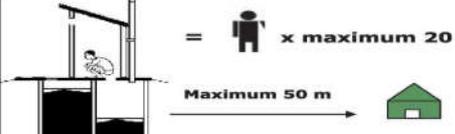
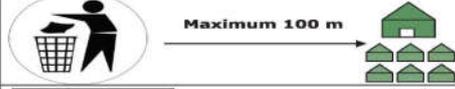
### **SHELTER:**

Natural or man-made disasters often displace large numbers of people, forcing them to inhabit temporary shelters and camps. Temporary shelter is provided by the Government and humanitarian organizations as part of the emergency response. The Government utilizes public buildings such as schools or portable tents to provide immediate cover to the affected communities. Public facilities such as schools, barracks, warehouses, playgrounds, parks, have historically been utilized to provide shelter to the displaced affectees. Tents are usually provided in case the number of displace person exceeds the number that can be temporarily accommodated in public facilities. Only a set number of people would be allowed to inhabit a public building. This set number would be decided keeping in mind the available space, availability of facilities such as electricity, water, and sanitation, and the time it takes to evacuate all the inhabitants. Temporary shelters would have separate toilets and bathing facilities for men and women and it would maintain healthy standards by conducting anti mosquito sprays etc. The elderly and disabled must be provided with the most comfortable and accessible areas of the public facilities designated as temporary shelters. The temporary shelters should never be overcrowded as it can create un hygienic conditions.

### **CAMPS:**

Camps would be established in areas accessible by metalled roads so that provision of essential facilities is not difficult. The scale of these settlements may vary from a few tents to larger groups of 50 tents.

Camp sites selected should be safe, accessible and far from other hazards and risks areas. The following specifications are the minimum standards of the services that are to be provided to the inhabitants of tent villages:

Type of Facility		SPHERE indicator	
Camp area	Total open space	30-45 m <sup>2</sup> per person	 30 - 45 m <sup>2</sup>
	Fire breaks	2 m = minimum distance between tents	
Living area	Covered floor area	3.5 m <sup>2</sup> per person	
	Water points	1 water tap per 250 people 500 m from tent	
	Latrines	1 per 20 people 50 m away from tent	
	Refuse Disposal	100 m from tent	
Water Use	Total Basic Water Needs	7.5 - 15 liters per person per day Survival water intake need; basic hygiene; basic cooking.	

Safety of affectees would be a part of the security management. Police and other Law enforcing agencies would maintain law and order during and after the emergency, and provide security to the people affected by the disaster. Appropriate measures would immediately be taken to prevent the children from child labor or sexual exploitation. Disasters can cause the separation of Children from their parents or guardians making them vulnerable to abductions, involuntary involvement in unlawful activities, molestation and exploitation. Children's safety and security would be the responsibility of the Social Welfare Department, the Child Protection Bureau, the Police and similar law enforcing organizations.

## ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

<b>TOTAL NUMBER OF RELIEF CAMPS</b>	<b>32</b>
<b>Jhelum</b>	<b>17</b>
<b>Dina</b>	<b>03</b>
<b>Pind Dadan Khan</b>	<b>12</b>

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
1	GHS MAIRA	50	33.037795, 73.6797247	16	GHS PINANWAL NO.2 PDKHAN	100	32.6577824, 73.2717291
2	GHS DHANYALA	50	33.042546, 73.6782071	17	GHS ATHAR	150	32.5507462, 72.8356483
3	GHS SANGHOI	200	32.8642357, 73.6029763	18	GHS MALYAR	100	32.475276, 72.8005753
4	GHS MAMYAN	100	32.8011074, 73.5304438	19	GGHS JR. MODEL JHELUM	100	32.9544474, 73.7448093
5	GES BAJWALA	40	32.7595206, 73.5067396	20	GGHSS NO.2 JHELUM	80	32.9409026, 73.7213898
6	GHS TOBA	20	32.5745874, 72.8189404,	21	GES JADA JHELUM	60	32.9480042, 73.7139815
7	GHSS LILLA	200	32.5669455, 72.7471467,	22	College GT Road Jhelum	200	32.9711616, 73.6886784
8	GGHS JALAL PUR SHARIF	150	32.6572492, 73.4038914	23	Post Graduate College Tahianwala	100	32.9594268, 73.7463176
9	GHSS JALAL PUR SHRIF	200	32.6572492, 73.4038914	24	Women College Jhelum	200	32.9431634, 73.7368629
10	GHS DARAPUR	80	32.7327785, 73.5407479	25	Girls College Sanghoi	60	32.891411, 73.652429,
11	GHS JHELUM	60	32.9442501, 73.7187169	26	Girls College PD Khan	100	32.9711616, 73.6886784
12	GHS COMP. JHELUM	60	32.9440878, 73.720019	27	Al- Beroni College PD Khan	50	32.5986984, 73.0339777
13	GHSS MC ISLAMIA JLM	100	32.9432081, 73.7314204	28	Govt College of Technology, Chak Dolat	40	33.0103841, 73.7509828
14	GHS CH M ALTAF HUSSAIN	100	32.934997, 73.735717	29	Govt College of Technology, PD Khan	20 Apx.	32.5963213, 73.0655458,

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
15	GHS DHARYALA JALIP	100	32.6509357, 73.224436	30	UC office Mughalabad	200	Nil
				31	MC Office Khewra	200	Nil
				32	Railway Station Jhelum	500	32.929757, 73.725917

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

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Jhelum	Boken, Chak Khasa, City Area		BhoondnanJattnan BhoondnanGakhran Matial Paswal PindiKhaira Sheikha Labe Darya AimaAfghana Gatiali ChakDaulat Fazilpur KiriAfghanan GurhaNasrullah. LangarpurBaili MonoharpurBaili Makhdumpur. Mehrajpur NoorpurBaili BailiDuliala
				ChakKhasa Rajipur Chauntra Kolepur Kharala Khokhar Kala Dev Kalar PindRatwal TawaklpurPakhwal PakhwalKhas Sahapur Khawaspur

		<b>Kotla Faqeer, Sanghoi</b>		ChakEisa Saeela Bagga BailiBahrwal KotlaFaqir Naugran Chittan Monan Baigpur Balola KhokharMalwana Baddo Bhatia Gharmala ChakBuddo
				SangoiKhas SanghoiMallu Toor RaryalaBeeram RaryalaJango RaryalaJagdev KotBaseera GurhaSaleem Gurha Ahmed
		<b>Chotala, Darapur</b>		Chotala Khurd NawanLok Mamian Bhambhar
Floods				Darapur Shahpur ChakMoju Dilawar Shah Kameer Malikpur
	Dina	<b>Mughal Abad</b>		Bhora pindi Khataa Manga Joian Hasnot Dulyal Mughl Abad Beli Budhar Ara Budar Lohar
		<b>Dhanyala</b>		Bharala Chhan Khurad Pind Rajwal Kotla Dittan

				Pandori Mughaln
	Pind Dadan Khan	<b>Jalalpur, Pindi Saidpur, Dharyala Jalib, Chak Shadi, Dolat Pur &amp; Haranpur</b>		Shakirpur Piranwala Bhabhanwala Syedanwala Khewanwala Sagherpur Abdullahpur Nawan Loke Kanianwala Burj Ahmad Khan Dewanpur Qamar Karimpur Mirzapur Azampur Jaitipur Burj Sattar Fatehabad Khothian Chak Ali Shah Dhingwal Adowal Haranpur Kot Phaphra
Floods		<b>Gujjar, P.D. Khan &amp; Gol Pur</b>		Daffar Mahal Barani Khilchi Kalas Mahal Amirpur Naich Kuliwal Sehotra Channanpur Pithar Nadi Kot Katcha P.D.KhanTown (Mahal Chahi, Jhuggian, Mahal Salab, Mahal Wand)
		<b>Ahmedabad &amp; Lillah</b>		Hattar Rangpur Pithar Kalan Ahmadabad Pawanr Saluwana Qadirpur Isawal Bhana Malyar Kotla Syedan Bugga Dhok Noora Sial

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

S#	Name	Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary )	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	GRD Khurd	Tehsil Jhelum	32°48'60N 73°34'60E	GRD		Yes
2	Pind Swika	Tehsil Jhelum	32°46'6N 73°21'25E	BHU		Yes
3	Haranpur	Tehsil PD Khan	32°36'11N 73°8'53E	BHU		Yes
4	Sauwal	Tehsil PD Khan	32.6500°N 73.2220°E	BHU		Yes
5	Kotla Syedan	Tehsil PD Khan	32°40'0N 73°20'0E	BHU		Yes
6	BHU Panchore	Tehsil Sohawa	33.1536°N 73.5609°E	BHU		Yes

## ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GGPS Bhoundna Jattan	Primary	Functional			
2	GGES Jagta	Middle	Functional			
3	GBES Pandori	Middle	Functional			
4	GBPS Janwal	Primary	Functional			
5	GBPS Munwar Pur Beli	Primary	Functional			
6	GBPS Makhdoom Pur Beli	Primary	Functional			
7	GGHS Haran Pur (Primary Portion)	High	Functional			
8	GMPS Kukar Pindi	Primary	Functional			
9	GMES Doulat Pur	Middle	Functional			
10	GGPS Dera Yar Muhammad	Primary	Functional			
11	GGPS Chitti	Primary	Functional			
12	GGPS Kot Peero Wala	Primary	Functional			
13	GMPS Adhowal	Primary	Functional			
14	GBPS Malyar	Primary	Functional			
15	GBPS Jati Pur	Primary	Functional			
16	GGPS Chak Esa	Primary	Functional			
17	GHS Dina	High	Functional			
18	GMPS Doyian	Primary	Functional			
19	GES Thekrian	Middle	Functional			
20	GGPS Teen Pur Bala	Primary	Functional			
21	GPS Chah Faqeer Ullah	Primary	Functional			
22	GGES Muftian	Middle	Functional			
23	GES Thill Hamlet	Middle	Functional			
24	GMPS Ara Khariot	Primary	Functional			

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
25	GPS Bogi Chak	Primary	Functional			
26	GPS Ghaziot	Primary	Functional			
27	GPS Sari Ghanial	Primary	Functional			
28	GES Shah Safeer	Middle	Functional			
29	GBPS Khurd	Primary	Functional			
30	GGPS Ghowra	Primary	Functional			
31	GBPS Kot Kalan	Primary	Functional			
32	GGPS Chak Hameed	Primary	Functional			
33	GBPS Mandi Muhammad Saddique	Primary	Functional			
34	GBPS Chajja	Primary	Functional			
35	GGPS Gagar Khurd	Primary	Functional			
36	GGPS Ali Pur	Primary	Functional			
37	GGPS Kandiri	Primary	Functional			
38	GGPS Purana Kot	Primary	Functional			
39	GMPS Ladwa	Primary	Functional			
40	GGPS Pindi Baikh	Primary	Functional			

## 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	Contact Person	Contact Number
1	M/s Mashallah Cotton Waste.	98,99,100-B	32 59' 17" N 73 40' 41" E	-		Low	Fire	Sh: Salman Amjad	0301-5838200
2	M/s Mughal Traders.	78,79,80-B	"	-		Low	Fire	Mirza Anayat Ullah.	0345-5311882
3	M/s Supreme Elastic Ind:	21,22-B	"	-		Low	Fire	Haji Abdul Ghafoor	0314-5420000
4	M/s Luqman Industries.	46-A	"	-		Low	Fire	Naeem Iqbal Chishti	0300-9513099
5	M/s Sh: Talib Cotton Waste.	82,83-B	"	-		Low	Fire	Sh: Talib Cotton Waste	0334-8641480
6	M/s Mughal Brothers.	205-A	"	-		Low	Fire	Kafayat Ullah	03009583684
7	M/s Ali Lal Flour Mills.	65-A	"	-		Low	Earthquake	Mushtaq Ahmed	03055093083
8	M/s Crescent Industries.	170,171-B	"	-		Low	Fire	Kafayat Ullah	03009583684
9	M/s Al-Saleem Flour Mills.	58,59-A	"	-		Low	Earthquake	Anjum Saleem Meer	03215454999
10	M/s M.A.S. International.	27-B	"	-		Low	Fire	Ch: Shabir Hussain	Not available
11	M/s Sherbaz Flour Mills.	42-A	"	-		Low	Earthquake	Raja Raees Iqbal	0300-9511343
12	M/s S.S. Melamine Industries.	164,165-C	"	-		Low	Fire	Sh: Sohail Jaan.	0300-9518543
13	M/s Raheel Soap.	47-B	"	-		Low	Earthquake	Raheel Kayani	0300-6296618
14	M/s New Mughal Traders.	81-B	"	-		Low	Fire	Mirza Anayat Ullah	0345-5311882
15	M/s Jhelum Wood Works.	175-B	"	-		Low	Chemical.	Khalique-ur-Rehman.	0321-5918987

## ANNEX VI: LIST OF NGO WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name/Contact
1	Tanzeem-eAmal, Jhelum.	Local	Shandar Chowk Jhelum	Working in Health Field	Khawaja Javed Iqbal 03335861115
2	Al-Falah Jhelum	Local	Machine Mohallah No. 2 Jhelum	General Welfare	Umar butt 0331-8001122
3	SEHET Jhelum	Local	Muhammadi Chowk Jhelum	Health	Dr. Yousaf 03009516228
4	Khair-un- Naas Tanzeem Jhelum	Local	Jada Chungi Jhelum	Health, Education and General Welfare	Ch. Iqbal 03009522689
5	Rehmat Welfare Foundation Jhelum	Local	Kala Gujran Jhelum	Health Facilities for Kidney Patients	Ijaz Ahmed 03337105055
6	Anjuman Rafa-e- Aama P.D.Khan	Local	P.D Khan City	Industrial Home	Ch. Irshad Ali 03014188779
7	Deaf & Dumb Association Usman	Local	Haran Pur	Welfare of special persons	Ch. Abdul Aziz 03454257857
8	AIMS P.D Khan	Local	AIMS P.D.Khan	General Welfare	Ubaid Malik 03005309064
9	Anjuman Rafa-e- Aama Gharibwal.	Local	Dharyala	General Welfare	Abdul aziz 03454257857
10	Anjuman Falah-e- Saroba Life Care Association Toba	Local	Toba	General Welfare	Dr. Furqan 03145457351
11	Anjuman Behbood-eMarizan Dina	Local	Mangla Cantt Chowk dina	Patient Welfare	Saleem Kisana 03009586319
12	Burraq Human Rights Welfare Organization Rohtas	Local	Rohtas Fort	General Welfare	Ch. Muhammad basher 03215403488
13	Muhammad Khan social Welfare Council Sohawa	Local	Govt. Elementary School for Boys	General Welfare	Dr. Furqan 03145457351

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

S#	Person Name	Desigantion	Telephone (Office)	Mobile
<b>Focal Person for Disasters</b>		Addl.Deputy Commissioner (Rev), Jhelum	05449270102	0300-7748492
1	<b>Muhammad Saif Anwar Jappa</b>	<b>Deputy Commissioner, Jhelum</b>	<b>0544-9270081</b>	<b>0304-0920071</b>
2	Rana Umer Farooq	District Police Officer, Jhelum	5449270042	0300-9521434
3	Mr. Muhammad Arshad	Addl.Deputy Commissioner (Rev), Jhelum	0544-9270102	0300-7748492
4	Mr. Rab Nawaz Khan	Addl.Deputy Commissioner (F&P), Jhelum	0544-9270016	0300-5179705
5	Syed Nazarat Ali	Addl.Deputy Commissioner (G), Jhelum	0544-9270109	0334-8037949
6	Mr. Zulfiqar Ahmad	Assistant Commissioner, Jhelum	0544-9270077	0332 4547429
7	Mr. Ali Bajwa	Assistant Commissioner, Dina	0544-280255	0324-8444296
8	Mr. Mian Murad Hussain	Assistant Commissioner, P.D Khan	0544-210503	0321-7722001
9	Mr. Sharjeel Ahmad	Assistant Commissioner, Sohawa	0544-224036	0321-7058171
10	Mr. Muhammad Saleem	Assistant Commissioner, (Coord)	0544-9270106	0334-6137633
11	Sabir Hussain	DSP H/Q	5449270059	0300-6168120
12	Insp Irfan Mehmood	I/C Legal Branch	5449270060	-
13	Mohammad Akram Gondal	DSP Saddar	5449270046	0300-6257415
14	Shahid Saddiq	DSP City	5449270050	0303-6006009
15	Syed Iqbal Kazmi	DSP Sohawa	544224188	0333-5159082
16	Mohammad Saleem Khattak	DSP PD Khan	544210524	0333-5446887
17	Arshad Ali	DSP Traffic	5449270300	0300-9411359
18	Insp Irfan Beig	Chief Security Officer	5449270060	0333-5858601
19	Mr. Muneer Khan	Tehsiladar Jhelum	--	0320-5555248
20	Mr.Sheikh Jameel	Tehsildar Dina	--	0333-5813327
21	Ch. Zafar Iqbal	Tehsildar PD Khan	--	0334-5004122
22	Mian Muhammad Nazir	Tehsildar Sohawa	--	300 8616611
23	Mr. Malik Sajid Mehmood	Chief Officer Tehsil Council Jhelum	0544 9270093	0315-5008383
24	Mr. Inaam Ul Rahim	Chief Officer MC Jhelum	0544-9270098	0321-5119369
25	Mr. Ulfat Shahzad	Chief Officer MC Dina	0544-636550	0345 4192440

S#	Person Name	Desigantion	Telephone (Office)	Mobile
26	Mr. Azhar Majeed	Chief Officer MC Sohawa	0544-224065	0333-8410927
27	Mr. Haider Ali	Chief Officer MC PD Khan	0544-210211 0544-212811	0300 8624050
28	Mr. Aamir Tanveer	Chief Officer MC Khewra	0544-231142	0300 4646969
29	Muhammad Afzal	XEN P.H.E.D	0544-9270114	0300 6030140
30	Mr. Jameel Arshad	XEN Building Division Jhelum	0544-280269	0335-5962131
31	Mr. Ashfaq Anwar	XEN Prov. Highway	0544-280237	0307-5557082
32	Mr. Riaz Ahmad	XEN Irrigation	0544-9270331	0341 5554787
33	M. Azeem	XEN Small Dam	0544-651360	0333 5901500
34	Mr. Shahid Butt	XEN Building (M&R) RWP-II	0544-9270254	0321 5555896
35	Mr. Thair Akram	XEN Highway (M&R) RWP-II	0544-9270153	0313 5350008
36	Muhammad Arshad	SDO Highway (M&R) RWP-II	0544-9270153	0333 5821172
37	Mr. Sohail Afzal	SDO Building (M&R) RWP-II	0544 9270067	0307 5122477
38	Dr. Waseem Iqbal	Chief Executive Officer, DHA Jhelum	0544-9270266	0300-5421011
39	Dr. Mian Mazhar Hayat	DHO(PS) DHA Jhelum	0544-9270267	0333-5827424
40	Dr. Muhammad Ali	DDO Health PD Khan	0544-210998	0333-5301963
41	Dr. Umair Khalid	DDO Health Sohawa	0544-710759	0334-5097295
42	Dr. Awais Khattak	DDO Health Dina	0544-635944	0345-9511241
43	Dr Farooq Ahmed Bangash	MS DHQ Hospital Jhelum	0544-9270262	0300-8549095
44	Dr. Khalid Farooqi	MS THQ Hospital PD Khan	0544-210998	0333-6408687
45	Dr Ijaz Butt	MS THQ Hospital Sohawa	0544-710759	0333-5275275
46	Muhamamd Maroof	Chief Executive Officer, DEA Jhelum	0544-9270208	0300-7921946
47	Vacant	DEO SE, DEA Jhelum	0544-9270213	--
48	Mazhar Hussain Shah	DEO (M-EE) Jhelum	0544-9270211	0336-4244421
49	Mst. Kousar Saleem	DEO (W-EE) Jhelum	0544-9270212	0320 4779718
50	Mr. Abdul kareem	Dy. DEO (M-EE) Jhelum	--	0332-4128524
51	Mr. Safdar Ali	Dy. DEO (M-EE) Dina	--	0336-6965355
52	Mr. Habib Ullah	Dy. DEO (M-EE) Sohawa	--	0342-5154231
53	Mr. Adeel Abbas	Dy. DEO (M-EE) PD Khan	--	0345-9216000
54	Mr. Shakeel Sipra	Extra Assistant Director of Agriculture (E&M)	0544-274055	0334 7807496
55	Mr. Habib ur Rehman	Dy. Director Colleges	0544-734193	
56	Mr. Ishtaiq Ahmad	Dy. Dir. (Development)	0544-9270016	0334-8758494

S#	Person Name	Desigantion	Telephone (Office)	Mobile
57	Mr. Asadullah Malik	Assistant Director Technical	0544-9270017	0300-9507290
58	Vacant	Assistant Director Planning	0544-9270033	--
59	Mr. Muhamamd Saleem	District Monitoring Officer, Jhelum	0544-9270089	0334-6137633
60	Dr. Faisal Mahmood	District Emergency Officer, Rescue 1122	0544-275522	0345-7308299
61	Muhammad Arshad	Rescue & Safety Officer, Tehsil Pind Dadan Khan		0300-9127350
62	Mr. Shahid Bukhari	Dy. Director Agri. Extension	0544-9270324	0335-9432746
63	Mr. Shakeel Akhtar	System Network Administrator Jhelum	0544-620068	0333-4149029
64	Mr. Sheikh Asif	District Sport Officer, Jhelum	0544-9270273	0331-5502583
65	Mr. Shabbir	Assistant Director Labour Welfare	0544-923046	0331-4870058
66	Dr. Muhammad Habib	Addl. Director Live Stock	0544-9270080	0300-7737852
67	Dr. Zafar Abbas	Deputy Director (Livestock ) PD Khan	--	0331-5882405
68	Muhammad Hamid Bhatti	DO IPW&M	0544-276643	0347-6083428
69	Mr. Usman Ahmad Sindhoo	District Information Officer	0544-276346	-
70	Muhmmad Nawaz Warriach	Dy. Director (Social welfare)	0544-9270190	0300-5156005
71	Ch. Wajid Hussain	Manager District Sanatzar	0544-9270199	0300-5414155
72	Mr. Zafar	Deputy Director (LG ) Jhelum	0544 230253	0321 7752300
73	Mr. Nouman	Divisional Forest Officer, Jhelum	0544-9270032	0333-6603113
74	Rana Khalid Ikram	District Food Controller	0544-9270094	0300-9694380
75	Mr. Zafar Gondal	Dy. Director Local Government	0544-230253	0321-7752300
76	Mr. Izhar	Assistant Director (Enviroment)	0544-272937	0332 8009695
77	Mr. Babur Zaheer	District Population Welfare Officer	0544-734515	0300-9789578
78	Mr. Khali Mehmood Cheema	Circle Rejistrar Cooperative	0544-230373	0332-8627220
79	Mr. Sheikh Shahid Iqbal	Excise & Taxation Officer, Jhelum	0544-9270309	0333-5173445
80	M. Sarfraz Khan	DO Civil Defence	0544-9270256	0300-9495204
81	Mr. Najmal Hassan Gilani	DO Zakat & Ushar	0544-9270091	0343-5060378
82	Mr. Babar Javed	District Public Procecuter, Jhelum	0544-9270412	0306-6653037
83	Raja Hassan Raza	Dy. Director Agri on Farm Water Mangement	0544-731115	0300-9511449

## ANNEX VIII: LIST OF VOLUNTEERS

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Sajjad-ul-Haq S/O M. Mazhar-ul-Haq	37301-6910956-3	Near Police Lines, Dhoke Muqarrab, Jhelum	0335-5418103		20 Minutes
2	Hussain Ali S/O Ghulam Rasool	37301-9598169-7	Near Islamia High School, Moh. Sultan Pura Jhelum	0303-8181442		20 Minutes
3	Raheel Ali S/O Mehboob Elahi	37301-7819395-3	Mohallah Bagh, Jhelum	0333-5846918		20 Minutes
4	Ramzan Ali S/O Mumtaz Ali	37301-1945017-7	House No. C/83, Mohallah Malahan Jhelum	0300-5422186		20 Minutes
5	Muhammad Irfan S/O Nazir Muhammad	81202-8299778-1	House No. D/97, Bagh Mohallah Jhelum	0336-9353770		20 Minutes
6	Muhammad Afzal S/O Abdul Aziz	37301-2250996-3	House No. B-1-705, Street No. 2, Mohallah Chishtian Jhelum,	0313-5463423		20 Minutes
7	Ikram S/O Rahim Dad	37301-7578280-9	Shalom Christian Center, Civil Lines Jhelum	0332-0505220		20 Minutes
8	Abu Huraira S/O Zahid Ahmed	37301-5082262-1	House No. D-367, Bagh Mohallah Jhelum	0304-1669088		20 Minutes
9	Suleman Zahid S/O Muhammad Zahid	37301-6500153-9	House No. D-314, Bagh Mohallah Jhelum	0332-2953612		20 Minutes
10	Raja Muhammad Farooq S/O Raja Abdul Ghani	37301-9049623-7	House No. B-X-3-R-37, Bagh Mohallah Jhelum	0334-9200007		20 Minutes
11	Muhammad Waqas S/O Muhammad Ramzan	37301-6781856-9	House No. B-V-99, Moh. Kharadian, Jhelum	0322-5894361		20 Minutes
12	Usama Azhar S/O Azhar Hussain	37301-9088219-9	House No. C/52, Mohallah Malahan, Jhelum	0305-8706812		20 Minutes
13	M. Akhter Ali S/O Nazir	37301-2333685-5	H. # BX-1-3R-33,	0300-4724384		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
	Ahmed Mirza		Baba Karam Shah Jhelum			
14	Tariq Mehmood S/O Haji Ata Muhammad	37301-0328199-9	House No. C-30, Mohallah Shumali, Jhelum	0336-5816576		20 Minutes
15	Bilal Haider S/O Muhammad Akhter Ali	37301-4881716-5	Mohallah Shumali, Jhelum	0331-5564962		20 Minutes
16	Muhammad Mushtaq S/O Muhammad Ismail	37301-2358396-9	House No. A-80, Ghallah Mandi, Jhelum	0321-5425119		20 Minutes
17	Muhammad Saeed S/O Muhammad Aslam	37301-2252864-3	House No. BXI-14-5-2, Moh. Shumali, Jhelum	0306-8164884		20 Minutes
18	Asif Mehmood S/O Ata Muhammad	37301-2242281-5	House No. C-30, Mohallah Shumali, Jhelum	0336-5816576		20 Minutes
19	Shafiq-ur-Rehman S/O Nazeer Ahmed	37301-2360363-1	Mohallah Ameer Muavia, Jhelum	0300-9515101		20 Minutes
20	Nazir Mehmood S/O Subah Sadiq	37301-2299333-9	Street No. 8, Mohallah Shumali, Jhelum	0332-5842708		20 Minutes
21	Asif Mehmood S/O Muhammad Hussain	37301-6164336-3	Kutchehry Road, Mohallah Dhoke Muqarrab, Jhelum	0301-8165326		20 Minutes
22	Asad Mehmood S/O Arshad Mehmood	37301-5341095-9	Nai Abadi Karim Pur Road, Mohallah Dhoke Firdaus, Jhelum	0307-5649271		20 Minutes
23	Muhammad Yousaf S/O Noor Muhammad	37301-2409103-3	Machine Mohallah No. 3, Jhelum	0313-0815102		20 Minutes
24	Nasir Malik S/o Muhammad Afsar	37301-7693804-7	House No. D-159, Mohallah Bagh, River Road Jhelum	0313-5411982		20 Minutes
25	Rashid Mehmood S/O Muhammad Ramzan	37301-4906569-5	House No. B-V-99, Moh. Kharadian, Jhelum	0315-5861662		20 Minutes
26	Qasim Hussain S/O Mushtaq Hussain	37301-9232460-9	Near Sabri Masjid, Bilal Town Jhelum	0317-5596946		20 Minutes
27	Asghar Ali S/O Ghulam Qadir	37405-7616166-5	Civil Lines, Jhelum	0300-4724384		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
28	Nasir Jameel S/O Muhammad Sabir	37301-5144391-9	H. # BII-15, Moh. Baba Mehdi Shah, Jhelum	0308-9149775		20 Minutes
29	Muhammad Awais S/O Muhammad Ramzan	37301-6575742-9	House No. B-V-99, Moh. Kharadian, Jhelum	0332-9496618		20 Minutes
30	Saeed Ahmad S/O Muhammad Saddique	37301-2242299-9	H. # B-II-56-S, Machine Moh. No. 03, Jhelum	0300-9515070		20 Minutes
31	Saim Tariq S/O Tariq Hussain	37301-6877959-5	H. # K-104, Machine Moh. No. 03, Jhelum	0309-5971537		20 Minutes
32	Nazar Hussain S/O Nazeer Hussain	41304-0503200-7	Machine Mohallah No. 03, Jhelum	0314-5442688		20 Minutes
33	Shaheen Adil S/O Salehon	34401-7292110-1	Jada, Mohallah Mujahid Abad, Jhelum	0340-3317842		20 Minutes
34	Muhammad Usman S/O Hakim Ali	81302-5964267-9	Moh. Abbas Pura, Near Police Lines Jhelum	0342-5247748		20 Minutes
35	Muhammad Saghir S/O Muhammad Nazir	37301-1594766-1	Iqbal Town, Dhoke Firdaus Jhelum	0336-5124152		20 Minutes
36	Shabbir S/O Manzoor Hussain	37301-9328452-3	H. # B-1-120, Dhoke Naik Alam, Jhelum	0343-8501394		20 Minutes
37	Adnan Iqbal S/O Zafar Iqbal	37301-2302817-5	Dhoke Firdaus, Jhelum	0344-5357542		20 Minutes
38	Ali Asghar S/O Muhammad Nazir	37301-7630757-5	Iqbal Town, Dhoke Firdaus Jhelum	0336-5336588		20 Minutes
39	Faisal Shahzad S/O Muhammad Farooq	37301-6152742-5	H. # 247/74, Karim Pura Road, Dhoke Firdaus, Jhelum	0310-9214302		20 Minutes
40	Jahangir Nasir S/O Nasir Mehmood	37301-6276136-1	H. # BX-3-S-55, Moh. Mistrian, Jhelum	0331-4458580		20 Minutes
41	Tahir Waseem S/O Ch. Muhammad Sultan	37301-2069826-3	Machine Moh. No. 03, Near Masjid Allah Wali, Jhelum	0300-9523599		20 Minutes
42	Muneer Ahmed S/O Abdul Aziz	37301-2272707-7	Civil Lines, Mohallah Kausar Colony, JLM	0309-0540470		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
43	Muhammad Hamza S/O Sana Ullah	37301-0338615-3	Near G.G.P.S Moh. Karim Pura, Jhelum	0318-0562326		20 Minutes
44	Umar Farooq S/O Sh. Rafi-ud-Din	37301-1597409-7	H. # C/13, Koocha Daktran, Moh. No. 03, Jhelum	0331-5998785		20 Minutes
45	Sadaf Hussain S/O Muhammad Khaliq	37301-7449268-3	H. # BII-802, Machine Moh. No. 03, Jhelum	0348-5610510		20 Minutes
46	Ghyas Ali S/O Zamurd Hussain	37301-8744524-9	House No. 309, Moh. Shumali Jhelum	0321-5431732		20 Minutes
47	Iftikhar Ahmed S/O Muhammad Younas	37301-2299297-5	Shumali Mohallah Jhelum	0332-5883536		20 Minutes
48	Ali Ahmed Khan S/O Abdul Qayyum Khan	37301-4001014-1	House No. G-169, Machine Moh. No. 2, JLM	0333-5823780		20 Minutes
49	Javed Mehmood Butt S/O M. Anwar Butt	37301-3334801-5	Chak Baraham Road, Kala Gujran Jhelum	0334-8995783		20 Minutes
50	Umair Majeed Ahmed S/O Majeed Ahmed	37301-5812236-5	House No. D-429, Bilal Town Jhelum	0302-5835790		20 Minutes
51	Yasir Saleem S/O M. Saleem Raza	37301-5636099-7	Usman Street, Moh Itehad Colony Jhelum	0334-5419080		20 Minutes
52	Muzaffar Iqbal S/O M. Iqbal	37301-2233576-7	Kotha Purana, P.O Kal Gujran, Jhelum	0312-6753684		20 Minutes
53	Shahid Mehmood S/O Rasheed Ahmed	37301-2302732-1	Village Raia, Jhelum Cantt.	0300-5430600		20 Minutes
54	Muhammad Azeem S/O Muhammad Naeem	81102-4688949-5	Dhoke Juma, Jhelum	0317-7907918		20 Minutes
55	Sabir Hussain S/O Roshan Din	82102-8232261-7	Mohallah Chishtian, Jhelum	0301-5832979		20 Minutes
56	Luqman Talat S/O Talat Mehmood	37301-3918306-7	Imam Bargah, Machine Moh. No. 01, Jhelum	0331-5964526		20 Minutes
57	Talal Ali S/O Sajjad Azmat	37301-5823465-9	House No. B-1-1526, Bilal Town Jhelum	0342-5248906		20 Minutes
58	Asad Ali S/O Azhar Ali	37301-3110787-1	Near Masjid Gunbad Wali,	0321-5811999		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
			Jhelum			
59	Aafaq Rasheed S/O Muhammad Rasheed	37301-5682877-1	Mohallah Chishtian, Street No. 4, Jhelum	0301-5823942		20 Minutes
60	Muhammad Usman S/O Ehsan Ahmed	37301-8885342-9	House No. D-835, Bilal Town Jhelum	0310-1569385		20 Minutes
61	Waleed Anwar S/O Muhammad Ishaq	37301-9958144-7	Yousaf Street, Madni Mohallah Jhelum	0321-1554945		20 Minutes
62	Jahanzaib Anwar S/O Muhammad Anwar Aasi	37301-1928827-7	Street No. 5, Bilal Town Jhelum	0332-5030302		20 Minutes
63	Abid Hussain Shah S/O Mehmood Ali Shah	37301-2356268-7	Kashmir Colony, Jhelum	0336-0593710		20 Minutes
64	Gul Faraz S/O Gul Nawaz	37301-8333650-7	Raji Pur, Tahlianwala, Jhelum	0304-0134696		20 Minutes
65	Muhammad Shakir Alam S/O M. Noor Alam	37301-7553012-9	House No. 12, Bilal Town Jhelum	0344-5511023		20 Minutes
66	Haroon Shahzad S/O Rasab Khan	37301-7274601-9	Village Jandwal, Chak Daulat, Jhelum	0300-5431734		20 Minutes
67	Muhammad Ali S/O Muhammad Sharif	37301-0500552-1	Street No. 5, Mohallah Chishtian, Jhelum	0304-5979170		20 Minutes
68	Kamran Shahzad S/O Amanat Ali	37301-7170057-7	Kharala, Jhelum	0334-5280623		20 Minutes
69	Aadab Hussain S/O Abdul Rehman	37301-0952083-1	Mohallah Mujahid Abad, Jhelum	0345-5052004		20 Minutes
70	Rashid Mehmood S/O Allah Ditta	37301-2357167-3	Haji Street, M.M No. 3, H. # B-11-36- 41, JLM	0310-5413000		20 Minutes
71	Sultan Mehmood S/O Ghulam Meeran	37301-2292306-9	Shamas Pur ,Jhelum	0332-5825975		20 Minutes
72	Naveed Ahmed S/O Zafar Iqbal	37301-4873334-1	Dhoke Mehar Adalat Khan, Rohtas Road JM	0321-5422119		20 Minutes
73	Ghulam Shabbir Shah S/O Ameer Shah	37301-5546785-3	Street No. 04, Mohallah Chishtian, Jhelum	0300-5456488		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
74	Tariq Mehmood S/O Ghulam Meeran	37301-2292307-2	Shamas Pur, Jhelum	0302-8787360		20 Minutes
75	Sajjad Hussain S/O Muhammad Sadiq	37301-2205841-5	Bagh Wala Kunwan, Kala Gujran, Jhelum	0313-5415499		20 Minutes
76	Shoaib Sarwar S/O Shabbir Hussain	37301-2268473-1	H. # B-1-179, Mohallah Mujahid Abad, JLM	0333-5847513		20 Minutes
77	Tahir Abbas S/O Muhammad Latif	37301-6815039-3	Mohallah Mujahid Abad, Jhelum	0309-5160255		20 Minutes
78	Asad Mehmood S/O Arshad Ali	37301-3166634-1	Mohallah Mujahid Abad, Jhelum	0323-5782428		20 Minutes
79	Yasir Sohail S/O Muhammad Sadiq	37301-2199409-3	Machine Mohallah No. 03, Jhelum	0342-5286621		20 Minutes
80	M. Naveed Ashraf S/O M. Ashraf	37301-3635994-3	H. #B-II-33-S-12, Machine Moh. # 03, JLM	0314-9518016		20 Minutes
81	M. Haasin Muzaffar S/O Muzaffar Iqbal Qureshi	37301-8158236-1	House No. B.I.178/A, Mujahid Abad, Jhelum	0336-1564229		20 Minutes
82	Usama Babar S/O Babar Hussain	37304-0348904-3	Mujahid Abad, Jhelum	0316-5526724		20 Minutes
83	Tanveer Tahir Kiyani S/O Faiz Rasool Shakoori	37301-0572468-1	Malot, Jhelum	0300-5442580		20 Minutes
84	Ch. Ahtazaz Ahmed S/O Muhammad Fiaz	37301-1892868-1	Chak Miyana, Jhelum	0324-5724963		20 Minutes
85	Naeem Sajjad S/O Muhammad Sajjad	37301-2344615-1	Bakra Mandi Jada, Jhelum	0300-9527021		20 Minutes
86	Atif Jawad S/O Raja M. Tasleem Bhatti	37301-7409850-3	Kotla Aima, P.O Kala Gujran Jhelum	0333-5866010		20 Minutes
87	Khurram Ali S/O Shabbir Hussain	37301-7514981-7	H. No. A-12, Kashmir Colony Jhelum	0308-8789276		20 Minutes
88	Ghaffar Ahmed S/O Muhammad Anwar	37301-9971966-3	House No. B-1, Kashmir Colony, Jhelum	0307-8622361		20 Minutes
89	Mohsin Ali Mughal S/O Muhammad Ashraf Mughal	37301-2798148-5	Kashmir Colony, Rathian, House No. A-24, Jhelum	0306-0887490		20 Minutes
90	Umair Rizwan S/O Kausar	37301-7041817-5	Qaid Abad, Kala	0335-2124295		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
	Rasheed		Gujran Jhelum			
91	Sheeraz Ahmed S/O Muhammad Maskeen	37301-2363365-9	Kashmir Colony, Jhelum	0332-5454661		20 Minutes
92	Tahir Mehmood S/O Muhammad Maskeen	37301-7043211-5	Bhatial, P.O Kashmir Colony, Jhelum	0302-5800527		20 Minutes
93	Zeeshan Rauf S/O Abdul Rauf	37301-4878002-3	Bhatial, P.O Kashmir Colony, Jhelum	0334-5452800		20 Minutes
94	Muhammad Adnan S/O Muhammad Haneef	37301-6129500-5	H. No. A-35, Kashmir Colony Jhelum	0317-3960505		20 Minutes
95	Syed Nouman Ahmed S/O Shamas Ur Rehman Shah	37301-2950271-3	House No. A-28, Kashmir Colony, Jhelum	0335-5058813		20 Minutes
96	Saadat Shafiq S/O Abdul Shafiq	37301-2996322-3	Kotla Aima, P.O Kala Gujran Jhelum	0333-5957864		20 Minutes
97	Mazhar Nazir S/O Nazir Ahmed	37301-2258387-1	H. # 3456/3, Fine Flour Mill G.T Road JLM	0333-5563613		20 Minutes
98	Hurair Saddique S/O Iftikhar Waseem	37301-044889-3	Kotla Aima, P.O Kala Gujran Jhelum	0334-5583050		20 Minutes
99	Mansoor Qalib S/O Raja M. Tasleem Bhatti	37301-8023195-1	Kotla Aima, P.O Kala Gujran Jhelum	0334-5583050		20 Minutes
100	Muhammad Tanveer S/O Fazal Karim	37301-9373004-1	Muslim Town, Jhelum	0346-4695526		20 Minutes
101	Rizwan Afzal Hashmi S/O M. Afzal Hashmi	37301-8223741-3	Chak Khasa, Tahlianwala Jhelum	0300-9510032		20 Minutes
102	Muhammad Jahanzaib S/O Muhammad Jahangir	37301-4070813-1	Kala Gujran, Mohallah Dara, Jhelum	0305-8657204		20 Minutes
103	Munir Masih S/O Lal Masih	37301-2360276-1	Main Bazar Kala Gujran, Jhelum	0344-5729720		20 Minutes
104	Raheel Amjad S/O M. Amjad Mehmood	37301-5309276-1	House No. A-5, Kashmir Colony, Jhelum			20 Minutes
<b>Rescue 1122 Volunteers</b>						
1	Asfandyar Asad	37301-1526977-3	Jhelum City	0334-0112393		20 Minutes
2	Jabbar Ahmed	37301-4936241-9	Jhelum City	0334-8885816		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
3	Hassan Raza	37405-5338051-9	Jhelum City	0345-5127606		20 Minutes
4	M Abdullah Tasawar	37301-5983017-7	Jhelum City	0347-5406771		20 Minutes
5	Asad Shahzad	37301-1227632-3	Jhelum City	0303-8500232		20 Minutes
6	Muhammad Mudassar	37301-9250183-3	Jhelum City	0348-5861097		20 Minutes
7	Yaseen Jamshaid	37301-8218780-5	Jhelum City	0333-5400444		20 Minutes
8	Muhammad Anees	37301-6705370-1	Jhelum City	0342-0797521		20 Minutes
9	Saif Ur Rehman	37301-1690295-7	Jhelum City	0314-9614459		20 Minutes
10	M.Abdullah Zazar Sheikh	37301-6685348-5	Kala Gujran	0312-9510189		10 Minutes
11	Sheroz Hassan	37301-8070120-3	Kala Gujran	0312-5442272		10 Minutes
12	Sheikh Virad Ali	37301-3289492-9	Kala Gujran	0333-9498552		10 Minutes
13	Sheikh Abdul Wadood Ali Saeed	37301-3385347-9	Kala Gujran	0342-1512902		10 Minutes
14	Danyal Ahmed	37301-1594029-1		0302-5215309		10 Minutes
15	Furqan Anjum	37301-2361378-5	Islamia High School Mohalla, Jhelum	0324-7581122	A+	20 Minutes
16	Faizan Ahmed Raza	37302-9047525-7	Haran pur PD Khan	0346-5833363	O+	20 Minutes
17	M Furqan Butt	37301-6582738-1	Kala Gujran Jhelum	0313-5663143	O+	20 Minutes
18	Amir Shahzad	37301-9400558-3	Rohtas Road Jhelum	0334-0069306	A+	20 Minutes
19	Sajjad Farooq	37301-9560397-9	Sagri Dina Jhelum	0334-8632712	O+	20 Minutes
20	Muhammad Saeed Arif	37301-0268814-9	Talianwala Jhelum	0300-9524765	B+	20 Minutes
21	Faheem Khudadad	37301-7843884-5	Kolpur Tahliawala Jhelum	0344-5674010	A+	20 Minutes
22	Ahmad Nabeel Ahsan	37301-9812367-1	Jada Jhelum	0331-9290712	O+	20 Minutes
23	Umer Shahzad	37301-3446486-3	Karim Pura Jhelum	0308-5812626	O+	20 Minutes
24	Qamar Shahzad	37301-9595950-7	Karim Pura Jhelum	0315-5730086	O+	20 Minutes
25	Muhammad Bilal	37301-2149905-1	Muhammadi Chowk Jhelum	0342-5991475	O+	20 Minutes
26	Naeem Akhtar	37301-2248790-9	Chak Doulat Jhelum	0300-5438253	A+	20 Minutes
27	M Saqlain Khan	37301-2224788-7	Fazil Pur Chak Dolat Jhelum	0300-5426746	O+	20 Minutes
28	Imran Shahzad	37301-2584412-3	Janwal Chak Dolat Jhelum	0346-5882313	A+	20 Minutes
29	Ghulam Murtaza	37301-9966936-5	Masoom Pur Chak Dolat Jhelum	0344-1545425	B+	20 Minutes
30	M Hamza Meer	37301-4643787-7	Chak Dolat	0331-5848163	O+	20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
			Jhelum			
31	Muhammad Ramzan	37301-9833946-1	Chak Dolat Jhelum	0303-5645102	B+	20 Minutes
32	Danial Hussain	37301-9735520-5	Fazil Pur Chak Dolat Jhelum	0332-1504485	O-	20 Minutes
33	Danyal Ahmad	37301-6124540-5	Masoom Pur Chak Doulat Jhelum	0331-5663164	O+	20 Minutes
34	M Adil	37301-0473957-7	Masoom Pur Chak Doulat Jhelum	0324-7558587	B+	25 Minutes
35	Ikhlaq Hussain	37301-4349962-1	Pasrali, PO Jakkar, Jhelum	0306-5810914	O+	20 Minutes
36	Muhammad Gulzar	37301-2312436-5	Chak Dolat Jhelum	0331-5580588	O+	20 Minutes
37	Muhammad Nisar	37301-9777997-5	Chak Dolat Jhelum	0331-8726348	AB-	20 Minutes
38	Abdul Jabbar	37301-2312501-5	Chak Dolat Jhelum	0300-5439108	A-	20 Minutes
39	Muhammad Sulman Mir	37301-9001492-3	Chak Dolat Jhelum	0333-8899872	A+	20 Minutes
40	Khayyam Ahmed	37301-5473336-5	Chak Dolat Jhelum	0332-5728528	B+	20 Minutes
41	Muhammad Imran	37301-8420294-3	Chak Dolat Jhelum	0334-8600913	A+	20 Minutes
42	Muhammad Irfan Mir	37301-5276732-5	Chak Dolat Jhelum	0331-5800923	O+	20 Minutes
43	Yaseen Ali	34202-5310619-3	Chak Dolat Jhelum	0336-8532499	A+	20 Minutes
44	M. Raza Mughal	37301-1616779-5	Jhelum City	0337-6115227		20 Minutes
45	Rehan Saleem	34203-4261988-9	Jhelum City	0332-5403334		20 Minutes
46	M Ehsan Khan	43504-0376345-1	Jhelum City	0345-5965787		20 Minutes
47	Yasir Ali Malik	37301-2287409-5	Jhelum City	0334-5959004		20 Minutes
48	Ehsaan Raza	37301-1015987-9	Jhelum City	0332-5729096		20 Minutes
49	M Asim Khan	37301-6294248-3	Jhelum City	0332-5868589		20 Minutes
50	Zubair Sultan	37301-4351509-7	Jhelum City	0340-8106049		20 Minutes
51	Usman Javed	37301-6125345-7	Jhelum City	0332-8882444		20 Minutes
52	Ch Shujat Ahmed	37301-6641538-1	Jhelum City	0342-0783799		20 Minutes
53	Sharyar Haider	81302-0555392-5	Jhelum City	0315-5611485		20 Minutes
54	Arshad Malik	37301-1990057-9	Jhelum City	0312-1888486		20 Minutes
55	Waleed Amir	37301-5365517-7	Jhelum City	0344-3602577		20 Minutes
56	Syed Abbas Jamil	37301-8503572-7	Jhelum City	0321-9834399		20 Minutes
57	M. Rohaib	37301-8777806-3	Jhelum City	0332-5898738		20 Minutes
58	Raja Muhammad Imran	37301-8757822-7	Jhelum City	0315-5757427		20 Minutes
59	Raja Jahanzeb Nazir	37301-0756360-3	Jhelum City	0333-1560005		20 Minutes
60	Syed Asad Mehmood	37301-3120817-1	Jhelum City	0336-4242000		20 Minutes
61	Waleed Ur Rehman	37301-3039799-1	Jhelum City	0312-5974066		20 Minutes
62	Sheryar Ali	37301-1632522-3	Jhelum City	0315-5975099		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
63	Umer Raza	37301-4448233-3	Jhelum City	0336-5146672		20 Minutes
64	Malik Zeeshan Awan	37301-3024829-7	Jhelum City	0317-5425030		20 Minutes
65	Ahmed Zulfiqar Malik	37301-9506256-9	Jhelum City	0311-5436244		20 Minutes
66	Muhammad Bilal Dar	37301-4885786-5	Jhelum City	0305-5170406		20 Minutes
67	Humza Dar	37301-2472504-3	Jhelum City	0312-7611786		20 Minutes
68	Sheraz-Sultan	37301-3970907-3	Jhelum City	0334-8620560		20 Minutes
69	Yasir Rafique	42401-1544890-7	Jhelum City	0347-8310099		20 Minutes
70	M Waheed Iqbal	37301-5220587-9	Jhelum City	0300-5454851		20 Minutes
71	Asad Ali	37301-3726014-5	Jhelum City	0332-1926892		20 Minutes
72	M Asim	37301-9769933-9	Jhelum City	0301-2425026		20 Minutes
73	Taseer Ali	37301-8378225-5	Jhelum City	0300-5419300		20 Minutes
74	Khizar Hayat	37301-3801919-5	Jhelum City	0311-9522023		20 Minutes
75	Waleed Ur Rehman	37301-3039799-1	Jhelum City	0312-5974066		20 Minutes
76	Muhammad Abdullah	37301-6479551-7	Jhelum City	0317-8093258		20 Minutes
77	Saad Mirza	42401-4732652-3	Jhelum City	0332-9785228		20 Minutes
78	Inam Ul Hassan	37301-6885149-5	Jhelum City	0335-9515045		20 Minutes
79	Muhammad Mateen Naeem	37301-2937554-3	Jhelum City	0341-6543509		20 Minutes
80	Malik Faizan	37301-8563174-1	Jhelum City	0332-5585857		20 Minutes
81	Waseem Abbas	37301-5597574-9	Jhelum City	0313-5600687		20 Minutes
82	Ibtehaj Hassan	34203-9202862-9	Jhelum City	0340-7015692 0301-2705861		20 Minutes
83	Hamza Khan	37301-7336698-5	Jhelum City	0348-1898861		20 Minutes
84	Waheed Sarwar	37301-0520746-1	Jhelum City	0309-5242271		20 Minutes
85	Farhan	37301-4869733-7	Jhelum City	0332-5827894		20 Minutes
86	Abdur Rehman	37301-0384770-5	Jhelum City	0306-5850694		20 Minutes
87	Name M Mateen Asad	37301-5615241-3	Jhelum City	0304-9460549		20 Minutes
88	Ch Sohail Ahmed	37301-2364036-5	Jhelum City	0300-9514320		20 Minutes
89	Sarfraz Khan	37301-7699565-5	Jhelum City	0346-8514288		20 Minutes
90	Touseef Haider		Jhelum City	0347-9666875		20 Minutes
91	Ayaturrehman Khan Barki	42301-5558563-9	Jhelum City	0324-7588898		20 Minutes
92	Ch. Ehtisham Tariq	37301-5868237-1	Jhelum City	0313-5516279		20 Minutes
93	Musa Nouman	37301-1234916-5	Jhelum City	0314-7564224		20 Minutes
94	Zaryab Ali	37301-4174239-5	Jhelum City	0314-5428431		20 Minutes
95	Sahil Mehmood	37301-0646031-1	Jhelum City	0314-9357300		20 Minutes
96	Tayyab Khalid	81202-0917461-3	Jhelum City	0303-5251113		20 Minutes
97	Masroor Ul Haq	37301-7200423-3	Jhelum City	0336-5463515		20 Minutes
98	Umer Iqbal	37301-8729047-3	Jhelum City	0303-5603920		20 Minutes
99	Sheraz Sultan	37301 3970907 3	Jhelum City	0334-8620560		20 Minutes
100	Naveed Ahmed	37301-7179219-1	Jhelum City	0307-5242218		20 Minutes
101	Fida Hussain	373012-306693-7	Jhelum City	0333-5834420		20 Minutes
102	Usman Amin	37301 6029186 5	Jhelum City	0324-5021302		20 Minutes
103	Hamza Naeem	37301-5623605-9	Jhelum City	0346-5295266		20 Minutes
104	M. Afzal	42000-5882629-1	Jhelum City	0303-8078329		20 Minutes
105	Muhammad Umer	42000-5732380-3	Jhelum City	0332-5212746		20 Minutes
106	Yousaf Raza	37301-2216991-1	Jhelum City	0335-8284120		20 Minutes

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
107	Adnan Shahzad	37301-4276655-9	Jhelum City	0317-5382417		20 Minutes
108	Musa Nouman	37301-1234916-5	Jhelum City	0314-7564224		20 Minutes

## ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
<b>NA-66</b>	<b>Ch. Farrukh Altaf</b>		0300-8510510	<b>PP-25</b>	<b>Raja Yawar Kamal</b>		0345-5744444
<b>NA-67</b>	<b>Fawad Ahmed Ch.</b>		0300-8447141	<b>PP-26</b>	<b>Ch. Zafar Iqbal</b>		0335-9510222
				<b>PP-27</b>	<b>Haji Nasir</b>		0333-5233081



## ANNEX XI: DATA COLLECTION PERFORMAS

### P1: House Damage Assessment

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<b>Land</b>	<b>3.0-4.5 square meter per person</b>
<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><u>SARGODHA ZONE</u></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><u>PMO BARRAGES</u></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><u>FAISALABAD DIVISION</u></b>			
1	Khanki Division	Left Marginal Bund	21,000
2	-do-	Right Marginal Bund	29,000
3	Jhang Division	Jhang Flood Protection Bund	43,875
4	Qadirabad Barrage Division	Left Marginal Bund	20,000
5	-do-	Right Marginal Bund	20,000
<b>Total in feet.</b>			<b>133,875</b>
<b>Total in Miles.</b>			<b>25.36</b>
<b><u>BAHAWALPUR ZONE</u></b>			
1	Punjad Head works Division	Right Marginal Bund	15,000
2	-do-	Left Marginal Bund	15,000
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	10,000
<b>Total in feet.</b>			<b>55,000</b>
<b>Total in Miles.</b>			<b>10.42</b>
<b><u>MULTAN ZONE.</u></b>			
1	Trimmu Division	Right Marginal Bund	20,000
2	-do-	Left Marginal Bund	20,000
3	Sulemanki Division	Left Marginal Bund	10,000
4	-do-	Right Marginal Bund	10,000
5	Shuja Canal Division	Right Bank of Shujabad Branch	10,000
6	-do-	Akbar Flood Bund	10,000
<b>Total in feet.</b>			<b>80,000</b>
<b>Total in Miles.</b>			<b>15.15</b>
<b><u>D.G.KHAN ZONE</u></b>			
1	Taunsa Barrage	Right Guide Bund Upstream	15,000
2	-do-	Left Guide Bund	20,000
3	-do-	Shahwala Groyne	10,000
4	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	50,000
5	-do-	Doaba Flood Bund.	5,000
6	-do-	Khargarh Flood Bund	5,000
7	-do-	Khanwah Flood Bund	5,000
8	Jampur Construction Division	Jampur Flood Bund	5,000
9	-do-	Rojhan Flood Bund	20,000
<b>Total in feet.</b>			<b>1,35,000</b>
<b>Total in miles</b>			<b>25.57</b>

<b>LBDC(IP)</b>			
1	Balloki Head works Division	Left Marginal Bund	15,000
2	do	Right Marginal Bund	15,000
<b>Total in Feet</b>			<b>30,000</b>
<b>Total in miles</b>			<b>6</b>
<b>LAHORE ZONE</b>			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	10,000
2	do	Rayya flood Bund	5,000
3	Pasrur Link Division Sialkot	City Flood Protection Bund along Aik Nullah	7,340
4	do	Hajoipur Flood Protection Bund along Aik Nullah	86,00
5	do	Left Flood Protection Bund over deg Nullah from defence embankment to Zafarwala Kingra road	10,000
6	Marala Division UCC	Left Marginal Bund	50,000
7	do	Right Marginal Bund	10,000
8	Lahore Drainage Div.	Shahdara Flood Protection Bund	15,000
<b>Total in Feet</b>			<b>115,940</b>
<b>Total in miles</b>			<b>22</b>
<b>Grand total in miles</b>			<b>114</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><u>D.G.KHAN ZONE</u></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><u>LBDC (IP)</u></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><u>LAHORE ZONE</u></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><u>PMO BARRAGES</u></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.				
			Low	Med:	High	Very High	Exp. High
INDUS	Kalabagh	9.5	2.5	3.75	5	6.5	8
	Chashma	10	2.5	3.75	5	6.5	8
	Taunsa	10	2.5	3.75	5	6.5	8
JHELUM	Kohala	12	1	1.5	2	3	4
	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
CHENAB	Marala	11	1	1.5	2	4	6
	Khanki	8	1	1.5	2	4	6
	Qadirabad	9	1	1.5	2	4	6
	Trimmu	6.45	1.5	2	3	4.5	6
	Punjnad	7	1.5	2	3	4.5	6
RAVI	Jassar	2.75	0.5	0.75	1	1.5	2
	Ravi Syphon	4	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
	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
SUTLEJ	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	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.