



**OFFICE OF THE
DEPUTY COMMISSIONER
JHELUM**

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The Director (Operations),
Provincial Disaster Management Authority, Punjab
152-B Boon Avenue, New Muslim Town Lahore.

Subject: **MONSOON FLOOD CONTINGENCY PLAN 2025 DISTRICT JHELUM**

Refer to letter No. Flood Prep-2025/106/Op-I dated 20th February, 2025 on subject cited above.

Please find enclosed herewith Monsoon Flood Contingency Plan-2025 of District Jhelum for your kind information.


**Deputy Commissioner
Jhelum**

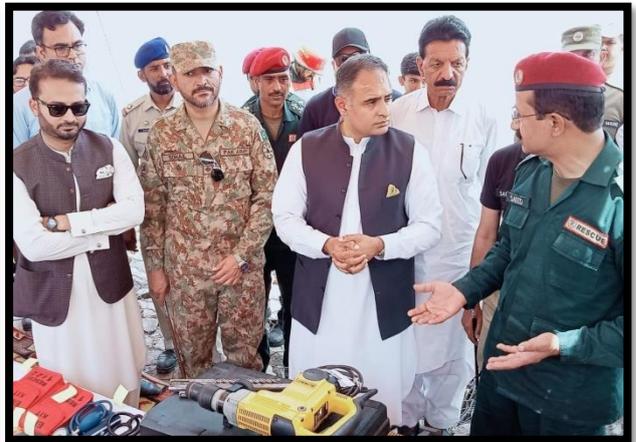
C.C.

1. The Director General, PDMA, Punjab.
2. The Commissioner, Rawalpindi Division, Rawalpindi.
3. The Additional Deputy Commissioner (Revenue), Jhelum.
4. The SE (Hydrology), WAPDA, Mangla.
5. All DDMA, Members.

DISTRICT DISASTER MANAGEMENT PLAN 2025

Division: Rawalpindi

District: Jhelum



Prepared by: District: Government, Jhelum

Approved by: Deputy Commissioner, Jhelum

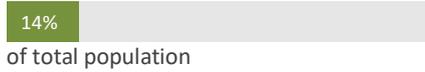


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Floods

Estimated number of people at risk of **floods** in 2025



Risk: Medium

Hill Torrent

Estimated number of people at risk of Hill Torrent in 2025



Risk: Medium

Earthquake

Estimated number of people at risk of earthquake in 2025



Risk: High

Epidemic

Estimated number of people at risk of epidemic in 2025



Risk: Medium

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 proگرامing 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);
- Two consultative meetings of DDMA arranged on 9th February and 15th February for the development of comprehensive District Disaster plan 2025.

DISTRICT PROFILE

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1.	Population	1.329 (M)
2.	No. of Tehsils	4
3.	No. of UCs	44
4.	No. of Revenue Estates	12
5.	Population Density (people per km ²)	341
6.	Family Size	5.9
7.	PCI	1509/ month
8.	Poverty Rate	16% urban and 44% rural
9.	Patient/Doctor Ratio	6.34%
10.	IMR	56/1000
11.	MMR	186/100,000 (Prv. Figures)
12.	Literacy Rate	79%
13.	Global Acute Malnutrition (GAM) rate	24.7%
14.	Severe Acute Malnutrition (SAM) rate	5.5%
15.	Percentage of population having access to clean drinking water	90%

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1.329 (M)					

Source/Note: Click here to enter text.

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks & Mortar)
204792	2.1%	97.9 %

Area (in acres)

Total Area of District in Km ²	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
883310 Acre	320663	-	-

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
79%	85%	67%	89%	85%	86%	72%

Source/Note: Census Report 2017; Multicenter Indicator Survey (MICS) 2017; Pakistan Social and Living Standard Measurement Survey District Report 2015; Poverty Profile BISP 2011. (% underweight)

Government Schools

		Schools	Enrollment
Total/ Overall		804	139931
Boys	Primary	120	
	Middle	38	
	High	95	
	Higher Secondary	4	
Girls	Primary	223	
	Middle	73	
	High	90	
	Higher Secondary	7	
Co-Education	Primary	0	
	Middle	0	
	High	0	
Special Education	Primary	2	
	Middle	4	
	High	1	

Private Schools

		Schools	Enrollment
Total/ Overall		546	154115
Boys	Primary	26	55953
	Middle	109	12263
	High	96	4885
	Higher Secondary	12	1015
Girls	Primary	30	60000
	Middle	133	13002
	High	115	5825
	Higher Secondary	24	1137
Co-Education	Primary	0	0
	Middle	0	0
	High	0	0
Special Education	High	1	35

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	56	01	0	02	01	60
No of Students						21890

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	120	560	0	456	1136
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.): **177539**

Big Animals (cows, buffalos, camel etc.)

252953

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
12%	04%	02%	02%	17%	21%	14%	06%	03%	11%	08%

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. Jhelum effected
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. Jhelum effected
2	2010	Flood			
3	2014	Flood	4435	13	
4	2019	Flood		Nil	
5	2020	Flood		07	
6	2021	Flood		01	
7	2024	Flash Flood	3500	0	Flash Flood in Nullah Gaahan due to collapse of mini dams and thunderstorm rains.

Disaster History – Other disasters (since 1970)

Detail	1992	2010	2014	2019	2020	2021	2024
Level of flood for each flood	Exceptionally High level	Medium level	High Level	Low level	Low level	Low level	Flash Flood
No. of Tehsils affected	03	03	03	01	02	01	03
No. of UCs affected	20	18	19	01		-	07
No. of Mouzaz affected	130	70	120	04	23	03 Villages	14
Approx population affected	Almost 70% population of Dist. Jhelum effected *Exact figure is not available	-	4435	-	372 Acres crop area affected		3500

General Information

Particulars	Detail
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Neighboring districts and their vulnerabilities	Gujrat, Mandi bahauddin, Sargodha (Flood) Rawalpindi urban flooding (Nullah Lai, terrorist attack)
Topographical Features	Coordinates:  <u>32°56'00"N73°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 Coordinate s	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	
Jammergal	Near Jammergal 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	

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 (Ft)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/vulnerable Points	GPS Location of Critical/Vulnerable Points	Remarks
Jhelum Cantt protection bund river	2500 FT	Jhelum	Jhelum	Nil	X:32.91330931 Y:73.72195219	Extension required
Jabbar Bund	4200 FT	Dina	Dina	Nil	X:33.07004714 Y: 73.74441557	
Naugran Flood Bunnd Near Kahan Nullah	27500 FT	Jhelum	Jhelum	Nil	X:32.89843988 Y:73.64686619	Repair work needed
Gurra Ahmed Bund	12750 FT	Jhelum	Jhelum	Nil	X:32.8971943774 Y:73.6440557530	Repair work needed
City Proection Bund	20000 Ft	Jhelum	Jhelum	Nil	X:32.923323368 Y:73.730991949	

DETAIL/SPECIFICATIONS OF CITY FLOOD PROTECTION BUND

- Length of city flood protection bund **20,000 feet (6.6KM)**
- Width of city flood protection bund **25 Feet**
- Height of city flood protection bund **21.20 Feet**
- No of Mauzaz been protected **08 Mauzaz & Complete City**
- No of estimated population being protected **03 Lac (APX)**

FINDINGS/INSPECTION OF FLOOD PROTECTION BUNDS

- Sites/areas will be visited
 - City bund
 - Cantonment Flood Bund
 - Naugran Flood Bund
 - Gurra Ahmed Bund
- Inspection Planned after 1st April 2025

Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
Right Closure Bund	Rasul barrage	N. 326925021 E. 73.5111714	0	0	0	Nil	-

BREACHING SECTIONS

HISTORY OF BREACHING IN THE GEOGRAPHICAL TERRITORY OF BREACHING:

The safety of the barrage is of prime importance and if a condition of exceptionally high flood is reached, some discharge released through Right Closure Bund which provides relief to the barrage structure. To meet with this situation, a breaching section was approved by flood Commission on 02/05/1981 between RD2+500-3+000 of right closure Bund. This will be activated when the critical level of gauge fixed at RD 12 of LMB will attain RL 727.40 and still rising or discharge U/S Rasul barrage approaches 850,000 Cs still increasing whichever happens earlier. The operation of breaching section will provide an immediate additional relief of 50,000 Cusecs. During exceptional high flood of 1992, the breaching section was tried to be operated, but owing to construction of road on right closure bund, the liners were buried/choked as a result of which, same could not be operated. Therefore, choked liners were replaced during 1997-98 and are still in working condition. However, it has been proposed that a dozer is to be deployed in addition so that breaching section be excavated when the discharge rises above 6.40 Lac cusecs below Jhelum bridge under the collective control of military and civil administration.

- a. If breaching was done, the details of breaching (site and size of the breaching area/s)

(N. 326925021 E. 73.5111714) (length =100ft, width= 100 ft, capacity = 50,000 cusc.)

- b. which vital installation was protected
(Head Rasool)

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Kala Gujran	132 KV	X:32.968358731 Y:73.698705167	Pinanwal	132 KV	X:32.655500089 Y:73.230582451
Dina	132 KV	X:33.042996298 Y:73.605227885	Dandot	132 KV	X:32.636496950 Y:72.978325333
Baragawa	132 KV	X:32.910606626 Y:73.388790000	Gharebawal Cement	68 KV	X:32.718506683 Y:73.144230153

Airport / Landing Strips

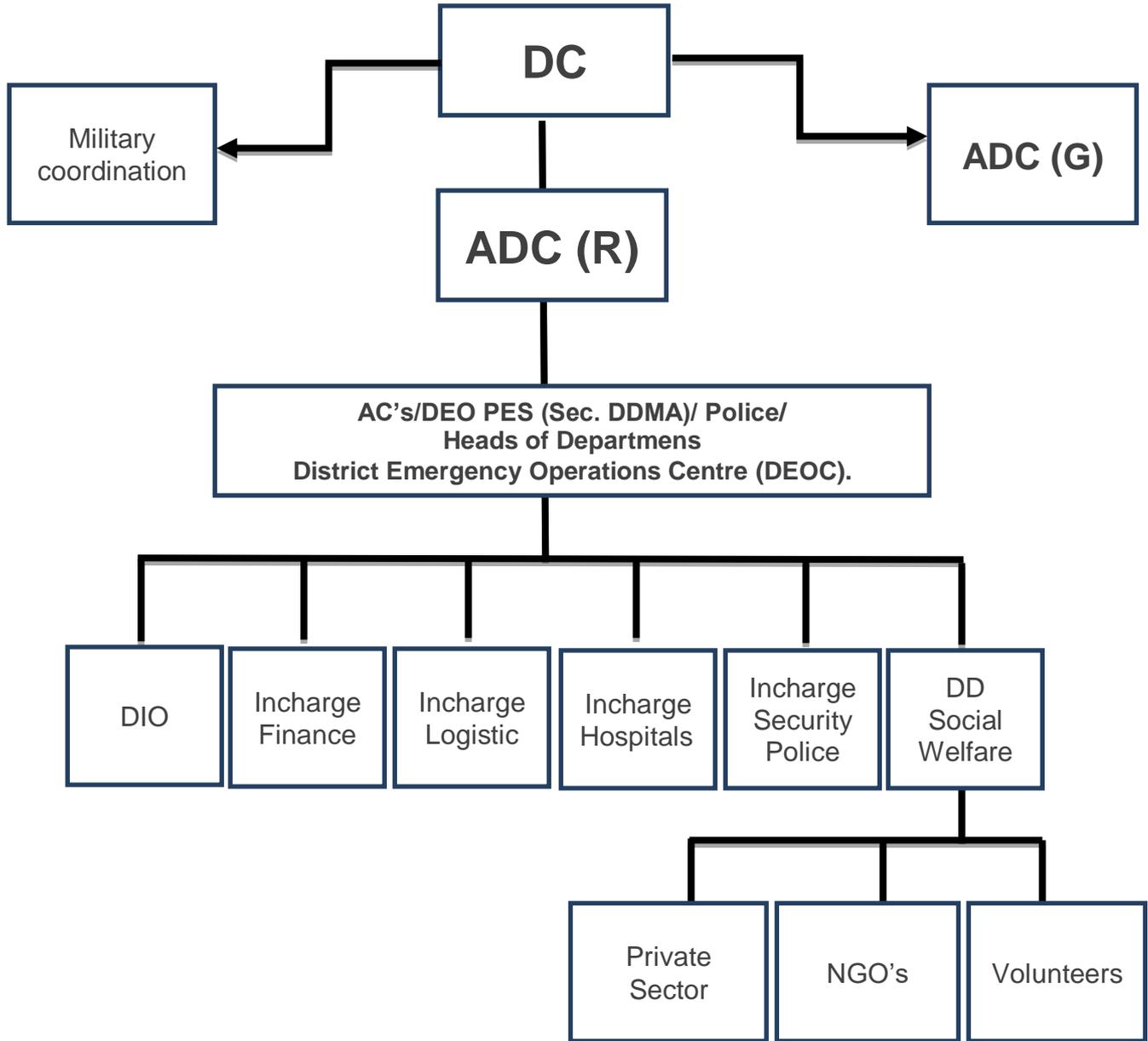
Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Army Aviation	Mangla Airport Chamala	X:33.0569915 Y:73.6310380	Cantonment Air Strip	Jhelum Cantonment	X:32.909756 Y:73.710329

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Nil					
Permanent warehouse needed for District Jhelum.					

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 floodprone areas
- List of Numberdars with their contacts, volunteer from low lying settlements with contact numbers
- Prepare list of vulnerable villages and make an estimate of likely affected population in such villages in the event of flood
- Name and contact numbers of private boat owners and operators Announcement of Flood Warning at settlement level – Patwari responsible Forced evacuation with police
- Rapid assessment for relief goods and ration provision Coordination and reporting
- Carry out survey of entire flood affected areas to assess losses in collaboration with Agriculture, Livestock and Education Department
- Conduct crop damaged/ house damaged surveys.

Zila Council/Neighbourhood Councils

- Zilla Council / Neighbourhood Councils plays an important role of providing Council services in the district including clean drinking water, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Zilla Council / Neighbourhood Councils will provide assistance to the District Government for setting up and management of relief camps/ operations.
- Neighbourhood Councils are responsible for provision & restoration of water and sanitation facilities in their Councils besides disposal of waste or rain water/sewerage.
- Neighbourhood Councils 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.

- Neighbourhood Council, sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- Neighbourhood Council, employ de-watering sets to remove excess water. All Neighbourhood Councils are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The Neighbourhood Council maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Neighbourhood Council 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 Neighbourhood Council under the concerned Administrator i.e DC/ADC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort, the local Neighbourhood Council's 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, Neighbourhood Councils 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 Neighbourhood Council'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. Chairman District Councils
 - iv. All Assistant Commissioners, of District
 - v. Chief Executive Officer, DEA
 - vi. Chief Executive Officer, DHA
 - vii. Additional Director (Livestock)
 - viii. Deputy Director Agriculture (Extension)

- ix. District Food Controller
- x. DSP Special Branch
- xi. XEN, Irrigation Department
- xii. XEN, Public Health Department
- xiii. XEN, Highways Department
- xiv. XEN, Buildings Department
- xv. District Emergency Officer, (Secretary)**
- xvi. Disaster Management Officer, Pakistan
- xvii. All Administrator of Neighbour Council of District.
- xviii. DMO, Red Crescent Society.

- 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 disseminated 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 requests for assistance from outside the district are to be made by the Chairperson DDMA.

Checklist for Control Room:

- Dedicated Staff as per magnitude of the disaster
- Duty roster 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	2	2	4
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 / Pandemic (COVID-19)	2	1	2
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, smog etc.)	2	1	2

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

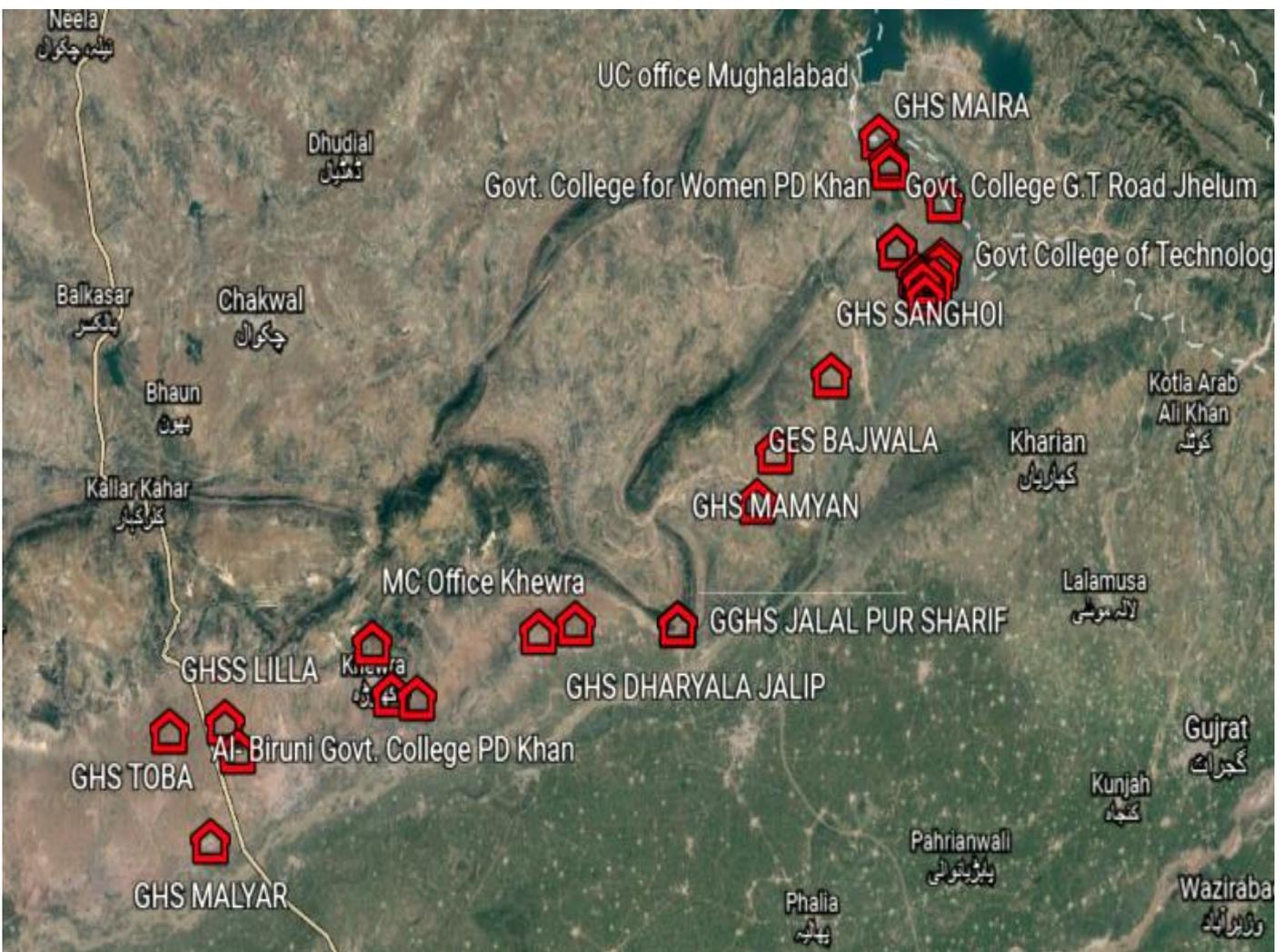
High : 15-25

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.

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

TOTAL NUMBER OF RELIEF CAMPS	
Jhelum	16
Dina	02
Sohawa	01
Pind Dadan Khan	10



¹Derived from information provided by Rescue 1122

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	26	26	Nil	Nil
OBM	25	24	Nil	Nil
De-watering sets	20	17	03	12
Navigators	0	0	Nil	Nil
GIS devices	0	0	Nil	Nil
Life Jackets (Adult)	221	221	Nil	200
Life Jackets (Minors)	50	50	Nil	100
Life Ring	27	27	Nil	20
Scuba diving suit with complete accessories	02	02	Nil	02
Scuba diving suit with complete accessories	02	02	Nil	02
First Aid Kits	13	13	Nil	10
Rescue Bag	0	0	Nil	Nil
Safety Harnesses	10	10	Nil	Nil
Ambulances	20	20	Nil	Nil
Fire Brigade	04	04	Nil	Nil
Water Tanks / Bouzers	08	05	03	Nil
Extendable Ladders	03	03	Nil	Nil
Hydraulic Cutter	01	01	Nil	Nil
Sonar Rader	0	0	Nil	Nil
Jumping Sheet	0	0	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	04	04	Nil	Nil
Pickups/Jeeps/4x4 vehicles/Mini Trucks	04	04	Nil	Nil
Tent	209	0	Unserviceable	200
Mosquito Net	240	0	Unserviceable	200
Plastic Mat	0	0	Nil	100
Blanket	0	0	Nil	Nil
Chain Saw	01	01	Nil	Nil
Generator Sets	02	01	0	Nil
Gas-Cutters	0	0	Nil	Nil
Sonar Radars	0	0	Nil	04
Navigator/GPS Tracker	0	0	Nil	Nil
Generator Mounted Lights 05 KVA	01	01	Nil	03
Battery Operated Hand Torches	0	0	Nil	25
Shoulder Spray Pumps	0	0	Nil	20
Drone Camera	0	0	Nil	01

DEPARTMENTAL INVENTORY DETAILS

Sr. No.	Flood Fighting Equipment	M.C Jhelum	M.C Dina	M.C Sohawa	M.C PindDadan Khan	M.C Khewra	Rescue 1122	Total
1	Boats	0	0	0	0	0	26	26
2	OBM	0	0	0	0	0	24	24
3	De-watering sets	11	03	02	03	01	0	20
4	Life Jackets (Adult)	0	0	0	0	0	221	271
5	Life Jackets (Minors)	0	0	0	0	0	50	50
6	Life Ring	0	0	0	0	0	27	27
7	Life Lines	0	0	0	0	0	0	0
8	Scuba diving suit with complete accessories	0	0	0	0	0	02	02
9	First Aid Kits	0	0	0	0	0	13	13
10	Safety Harnesses	0	0	0	0	0	10	10
11	Ambulances	0	0	0	0	0	20	20
12	Fire Brigade	00	0	0	0	0	04	04
13	Water Tanks / Bouzers	03	02	01	01	0	0	07
14	Extendable Ladders	0	0	0	0	0	02	02
15	Hydraulic Cutter	0	0	0	0	0	01	01
16	Jetting machine	01	0	0	0	0	0	01
17	Mech. Ladder	0	01	0	0	0	0	01
18	Sucker Machine	01	0	0	01	0	0	02
19	Tractor/Trolleys/loader	02	10	01	03	02	0	18
20	Pickups/Jeeps/4x4 vehicles/Mini Trucks	0	02 Jeep	01 Jeep	01 Mini dumper	0	0	04
21	Tent	0	0	0	0	0	209	209
22	Mosquito Net	0	0	0	0	0	240	240
23	Plastic Mat	0	0	0	0	0	0	0
24	Blanket	0	0	0	0	0	0	0
25	Fogging machine	0	01	01	01	01	0	04
26	Mega phones	0	0	0	0	0	01	01
27	Rescue tripod	0	0	0	0	0	0	0
28	Electrical Power Generators	0	0	0	0	0	(5KVA) 01	01
29	Torch / Lights	0	0	0	0	0	0	0

RATIONALIZED DEMAND OF FLOOD EQUIPMENT

Sr.No	Name of Equipment	Demand QTY
01	Tents	200 Nos
02	Life Jackets (Adult)	200 Nos
03	Life Jacket (Minors)	100 Nos
0	De-watering Sets 01, 02&03 Cusec	12 Nos
03	Plastic Mats	100 Nos
04	Mosquito Nets	200 Nos
06	SCUBA Set	02 Nos
07	Mattress	10 Nos
08	Generator with light stand	03 Nos
09	Battery Operated hand Torches	25 Nos
10	Shoulder Spary Pumps	20 Nos
11	Drone Camera	01 Nos

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
- Relief equipment is unserviceable
- 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	<ul style="list-style-type: none"> • Liaison with IRSA and WAPDA authorities through FMC • Repair of embankments/ bunds • Community awareness 	DDMA Irrigation Education Rescue 1122
Urban Flooding	Cleaning of sewerage Community awareness	District Council Rescue 1122 Civil Defense
Flash Floods	<ul style="list-style-type: none"> • Construct surrounding bunds around vulnerable areas • Restrict people to construct their houses at vulnerable areas. • The de-silting of Nullahs, canals and rivers. • Diverting water of Nullahs and canals. 	Irrigation District government / Council
Hill Torrent	construction/ Repair of bunds	Irrigation Small Dam Rescue 1122
Glacial Lake Outburst Flood (GLOF)		
Landslide	Planting trees	Forest Department
Tornado		
Earthquake	Constructing Earthquake resistance buildings	District Councils Building Department Rescue 1122
Drought	Distribution of food (NFI, FI)	District council, DFC
Epidemic, Pandemic (Covid-19)	<ul style="list-style-type: none"> • Vaccination • Health Education • Collection of proper data 	Health Education District Council Rescue 1122
Fire Incidents	<ul style="list-style-type: none"> • Survey of vulnerable buildings • Survey of vulnerable factories • Implementation of building codes. • Training of employed staff. • Community awareness • Handling of Proper disposable material 	District Council Building Department Civil Defense Labor department

		Rescue1122 Environment
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	<ul style="list-style-type: none"> • Identification & removal of black spots • Community awareness • Implementation of traffic rules • Permanent Resettlement of vulnerable buildings 	Rescue1122 Civil Defence Education Traffic police District government / Council

URBAN FLOODING

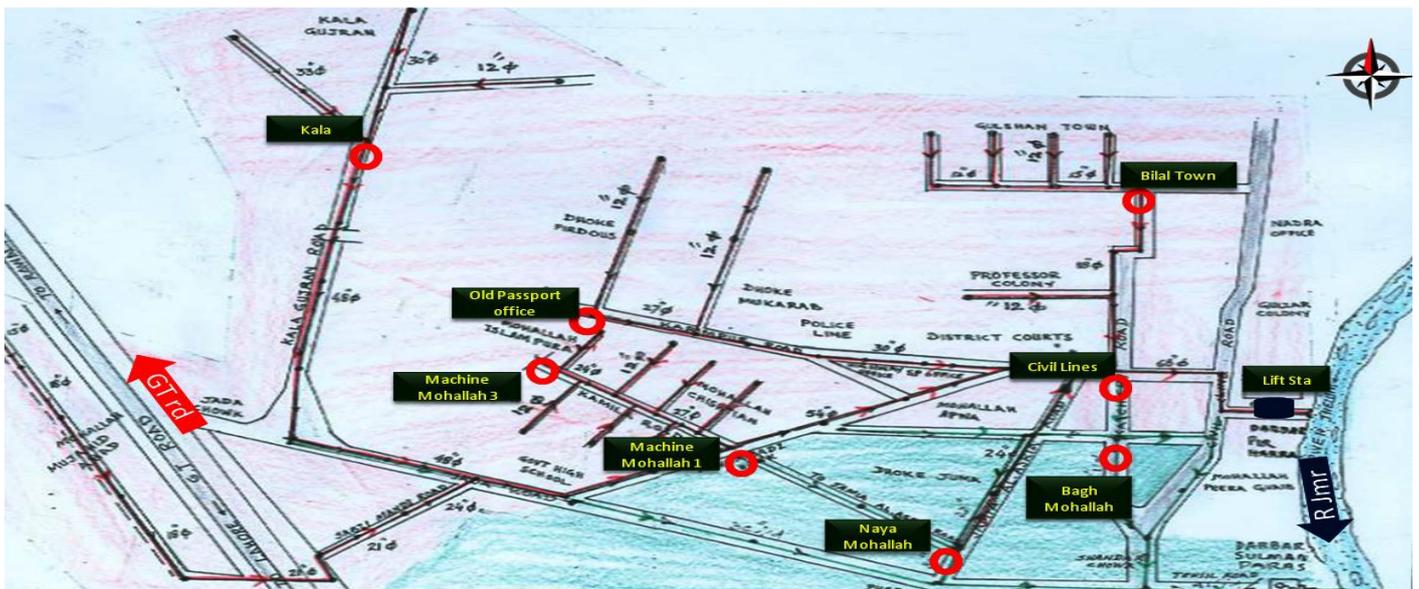
The climate of Jhelum is classified as “Subtropical triple season moderate climate zone” which is characterized by single rainfall season from July to September. The total rainfall during the rainy season is about 60% of the annual rainfall. An unprecedented flood of high magnitude of 1992,2010 and 2014 caused human casualties, partial or complete damage of houses and also disrupted services like water supply, power supply and communication system. Due to topography of the region, floodwater is generally drained out very quickly to Nullahs through natural slopes, characterized as flash flood.

The reaction time to flash flood is generally limited. It is, therefore, imperative that all the stakeholders, departments/ agencies will mobilize all possible efforts and resources well in-time in a systematic and in integrated manner in order to effectively combat any emergency situation.

This flood management / contingency plan is designed accordingly for response during and after riverine flood, flash flood or urban flooding and even preparation before the arrival of monsoon season. Necessary assistance from various NGOs and army authorities will also be sought to augment relief efforts, when required and considered necessary.

Irrigation department will keep functional outlets valves of sewerage drains / nullah at city protection bund. MC Jhelum will have to perform very efficiently as when flood water raised in the river Jhelum the sewerage gate at city protection bund will be closed. Therefore, the sewerage water will be thrown in river through dewatering sets. MC Jhelum will ensure timely placement of dewatering sets at city protection bund. The Public Health Department will keep disposal station of Peer Hara functional at city protection bund.

URBAN SEWERAGE SCHEME JHELMUM



LIST OF NULLAHS/SERWERAGE LINES

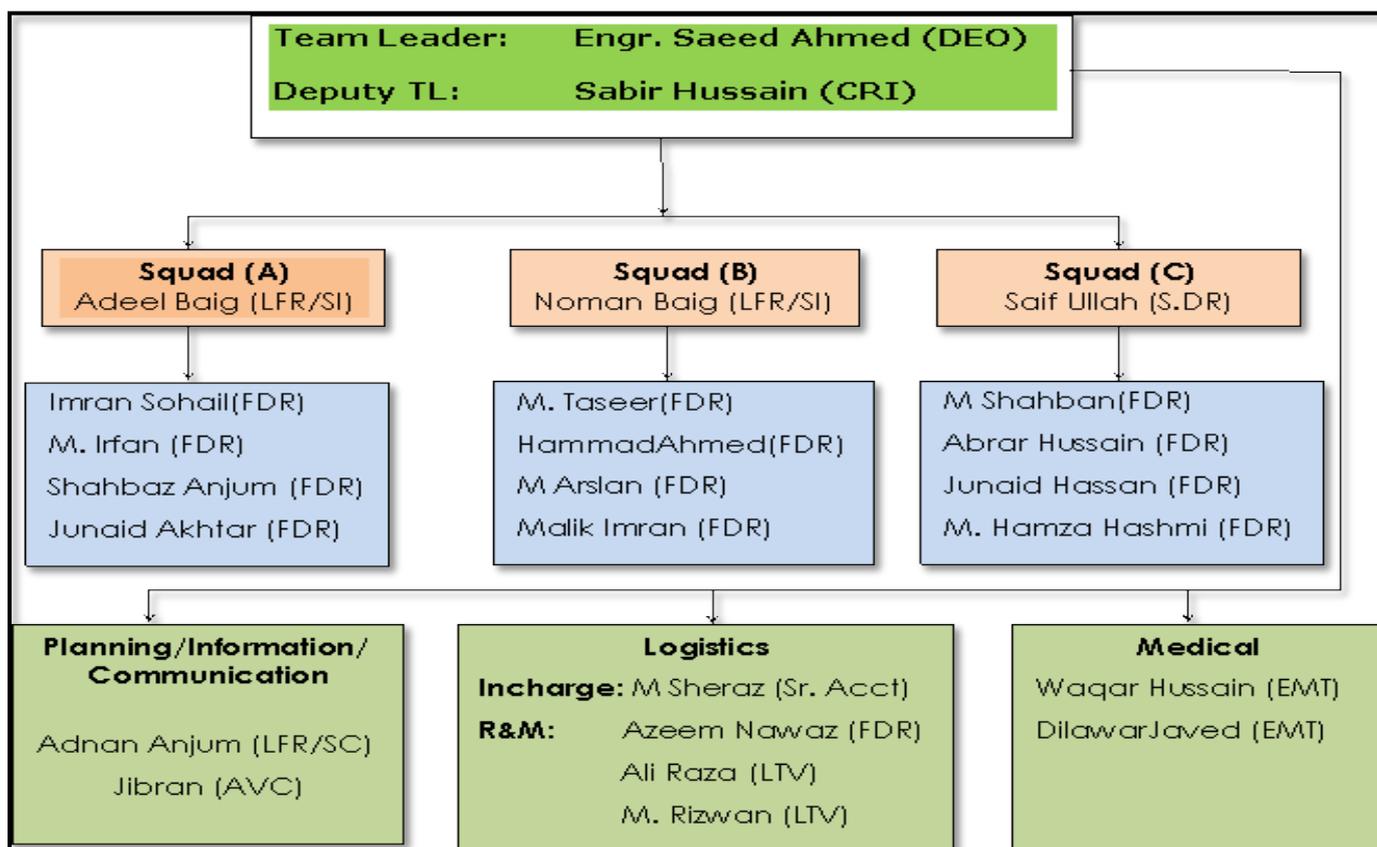
1. Sulman Paras.
2. Bagh Muhallah
3. Shumali Muhallah
4. Peeran Ghaib
5. Peer Hara
6. Al-jallal Kinara
7. Dhok Babo Azam

LIST OF VULNERABLE AREAS

Tehsil	Areas
Jhelum	Civil line road, Ahl e Hadees Chowk, Bilal Town, Dingi Pully, Mohalla Suleman Paras, Bagh Mohallah, Naya Mohallah, Mohallah Shanti Nagar, Mohallah Peeran Ghaib, Jada Chungi, Fruit Market Mujahidabad
Dina	Dina Mangla Road

LIGHT URBAN SEARCH AND RESCUE TEAM

A Light USAR Team comprises of five components required by the INSARAG Guidelines (Management, Logistics, Search, Rescue and Medical). Light USAR Teams should be self-sufficient on a single worksite for 12-hours (with a work-rest cycle of 12 hours rest), over a 5-days period and should be equipped to conduct technical search and rescue operations in collapsed structures of wood, masonry, and light reinforced concrete construction. The Light team should also have the capacity to conduct rigging and lifting operations.

COMPOSITION OF LIGHT URBAN SEARCH & RESCUE TEAM (RESCUE 1122 JHELUM)

ROLE OF PUNJAB EMERGENCY SERVICE (RESCUE 1122) IN URBAN FLOODING

In order to meet serious challenges caused by the riverine and flash flood in Nullahs, the Punjab Emergency Service (Rescue 1122) will take necessary measures for the safety of lives and property. The specialized vehicles/ equipment which may be used for rescue, evacuation and first aid activities is as under;

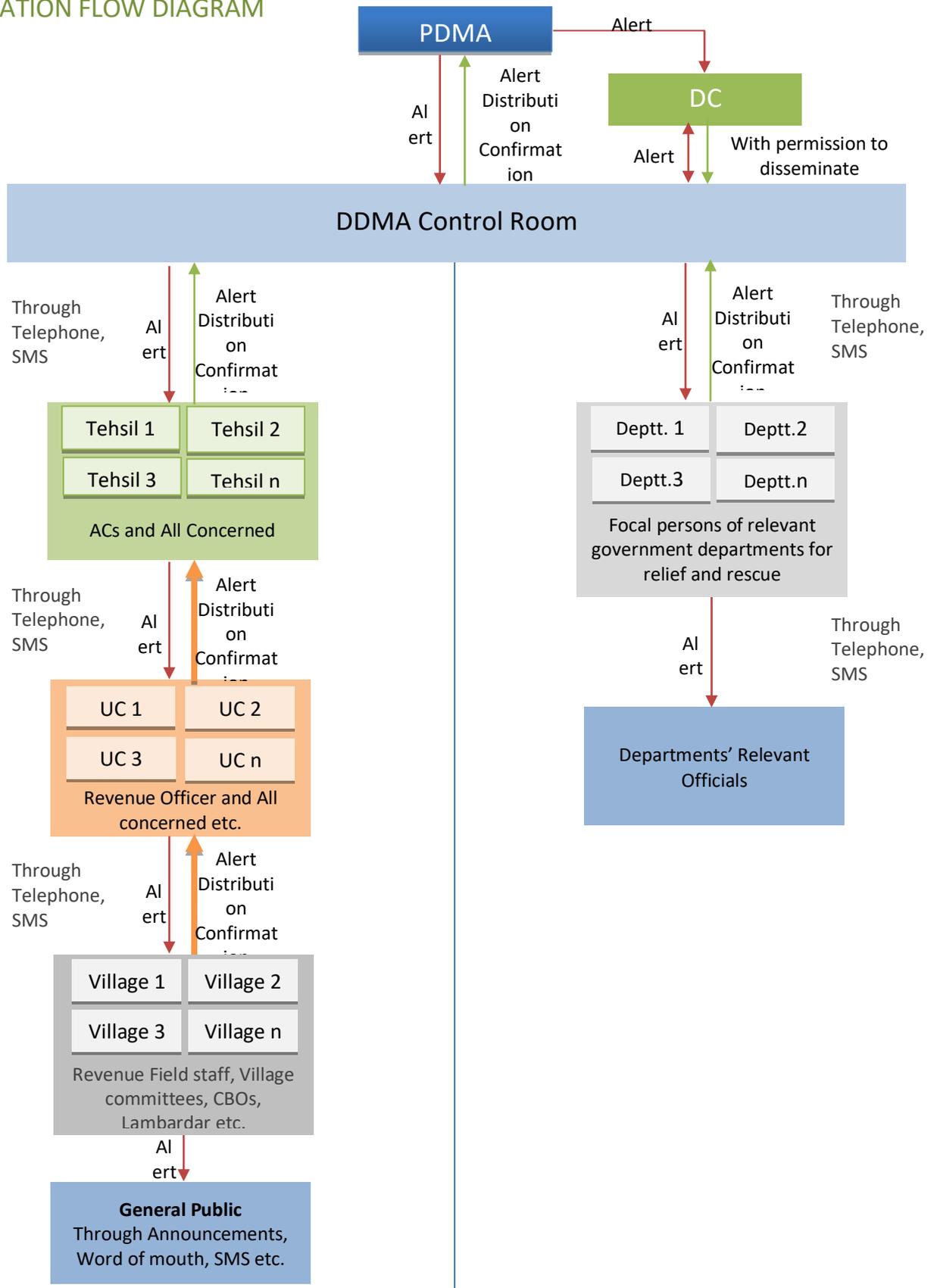
VEHICLES	ASSIGNMENT
Ambulances	Trained staff for first aid and mass evacuation
Fire Trucks	May be used as mobile siren during flash flood situation in low lying areas
Rescue vehicles	Effective in collapsed structure search and rescue activity

LIST OF INITIATIVES TAKEN FOR URBAN FLOODING

1. Cleanliness of Nullahs (TPV)
2. Removal of Encroachments
3. Repair & maintenance of bridges over Nullahs
4. Repair & Maintenance of Electrical installation
5. Alertness of district administration and Line departments
6. Identification/ establishment of relief camps

EARLY WARNING

INFORMATION FLOW DIAGRAM



Alertness Levels

Following four levels alertness have been established:

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

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.

PHASE1

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.

ARRANGEMENT OF BOATS, TRUCKS FOR EVACUATION PURPOSE

- Tehsil Rescue Officer will ensure that required number of boats are requisitioned well in advance and are available with them. They will be responsible for providing Boats along with boatmen to the affected area without loss of time. Further trucks and trollies will be arranged with the coordination of concerned Assistant Commissioner.

- The concerned Tehsil revenue officer will make sure availability of maximum number of life saving tubes through voluntary contribution by transport companies and will hand them over to sector incharge immediately after the receipt of High Flood Warning for evacuation purposes.
- The concerned Tehsil Rescue officer will maintain a close liaison with all relevant agencies for timely evacuation.
- The evacuation of the affected population will be made by the Tehsil Rescue Officers from their respective areas under their personal supervision.
- The SHOs of the flood affected areas shall assist the relief activities and ensure deployment of police in Relief Camps till the closure of flood camps.

EVACUATION PLAN FOR THE AREA LIKELY TO BE FLOOD EFFECTED

SR.	NAME OF SECTOR	NAME OF VILLAGE LIKELY TO BE AFFECTED	NAME OF RELIEF CAMPS	DISTANCE OF VILLAGE FROM RELIEF CAMPS	MODE OF TRANSPORTATION FROM EVACUATION POINT
TEHSIL JHELUM					
1	Chak Daulat	1. BhoondnanJattnan 2. BhoondnanGakhran 3. Matial 4. Paswal 5. PindiKhaira 6. Sheikha Labe Darya 7. AimaAfghana 8. Gatiali 9. ChakDaulat 10. Fazilpur 11. KiriAfghanan	Govt. Institute of Technology Chak Daulat	1 KM approx	Boats/Trolley/Tractors
2	WichlaBaila	1. GurhaNasrullah. 2. LangarpurBaili 3. MonoharpurBaili 4. Makhdumpur. 5. Mehrajpur 6. NoorpurBaili 7. BailiDuliala	Govt. Institute of Technology Chak Daulat	1 KM approx	Boats/Trolley/Tractors
3	ChakKhasa	1. ChakKhasa 2. Rajipur 3. Chauntra 4. Kolepur 5. Kharala 6. Khokhar 7. Kala Dev	Govt. Graduate College Tahlianwala Jhelum	1-3 KM	Boats/Trolley/Tractors
		8. Kalar 9. PindRatwal 10. TawaklpurPakhwal 11. Pakhwalkhas 12. Sahapur 13. Khawasapur	Govt. MC Islamia high school	3-4KM	Boats/Trolley/Tractors
4	Saeela	1. ChakEisa 2. Saeela 3. Bagga 4. BailiBahrwal 5. KotlaFaqir 6. Naugran 7. Chittan	GHS Jhelum	4-6KM	Boats/Trolley/Tractors

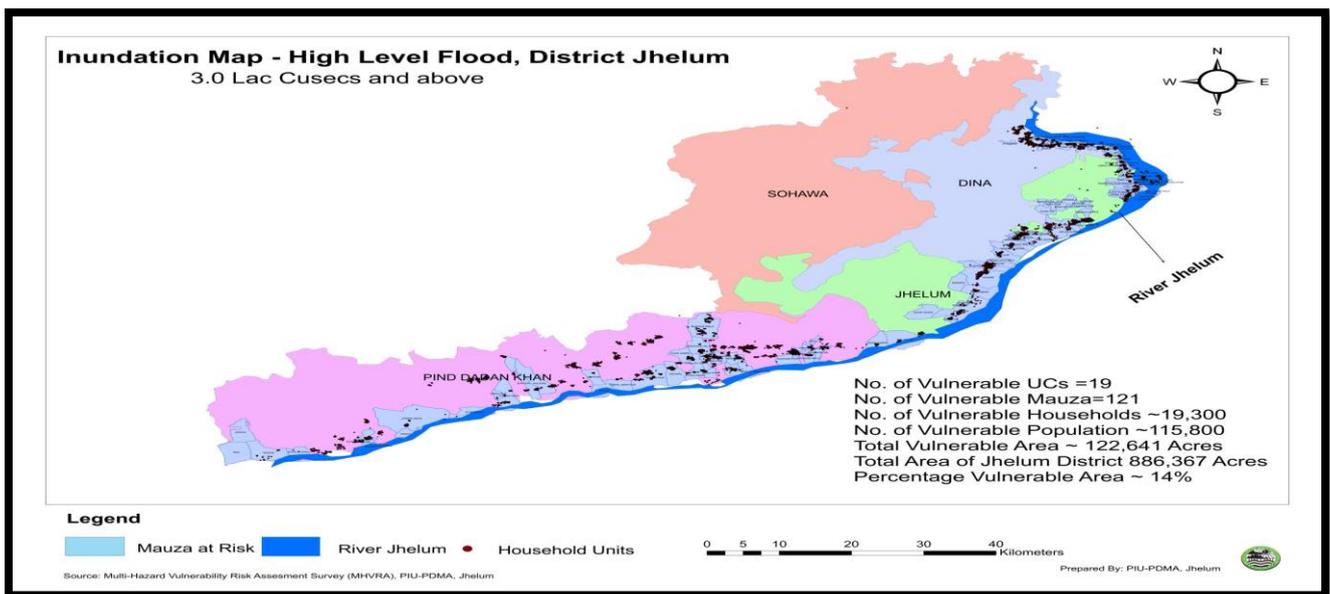
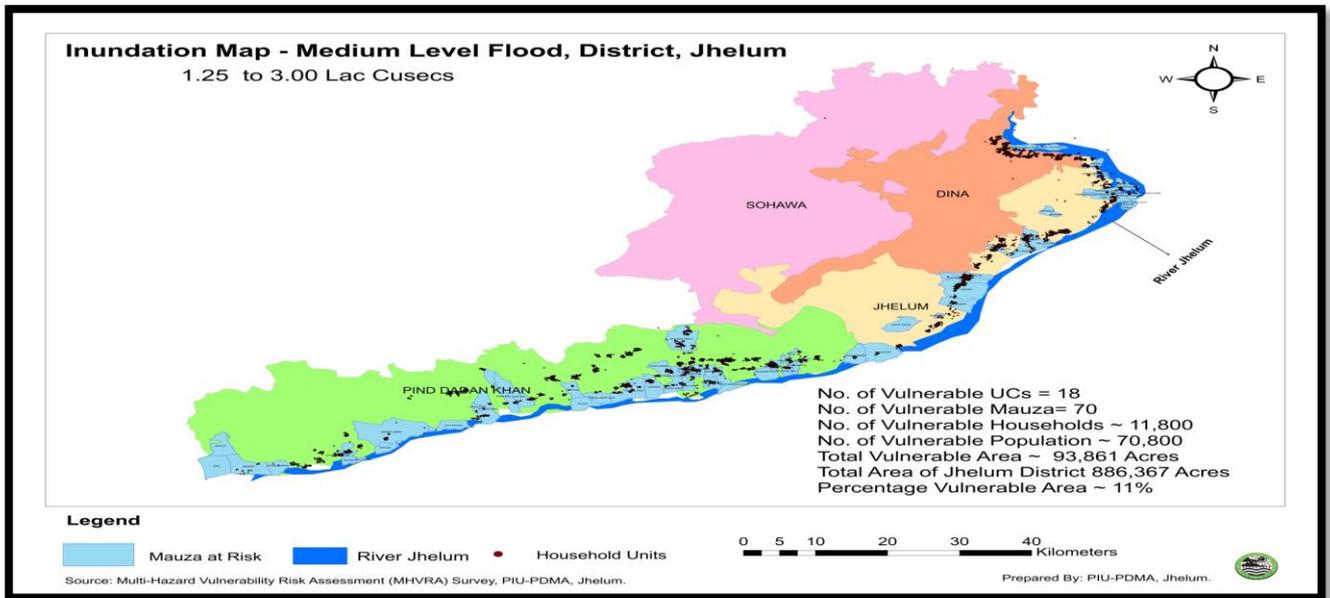
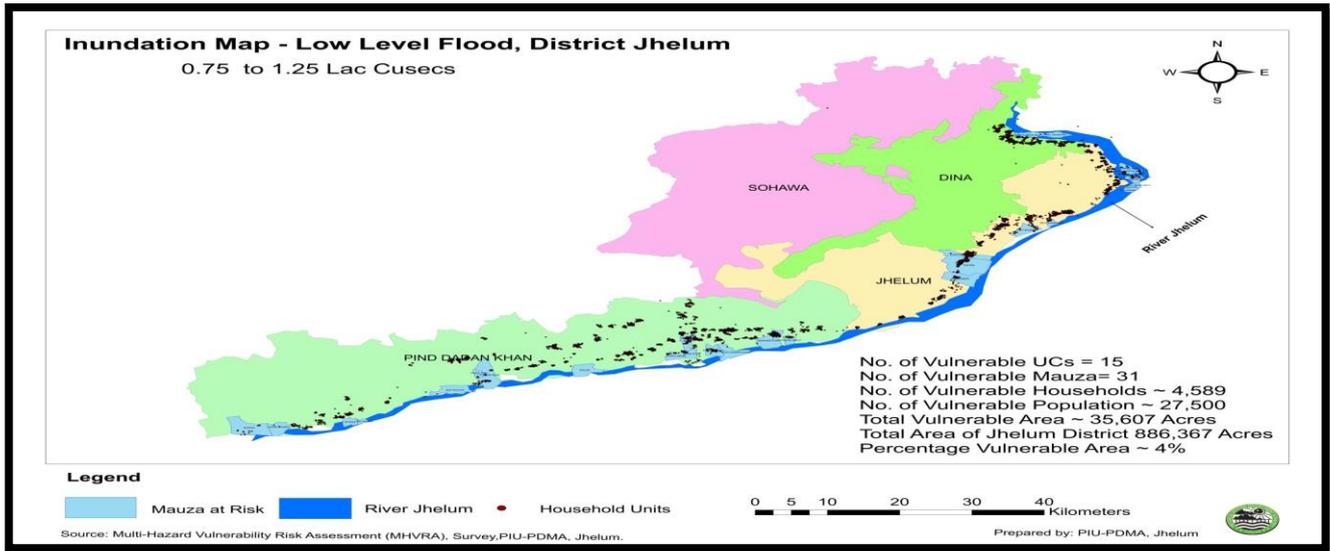
		8. Monan 9. Baigpur 10. Balola 11. KhokharMalwana 12. Baddo 13. Bhatia 14. Gharmala 15. ChakBuddo	Govt. Graduate College G.T Road Jhelum	4-6 km	Boats/Trolley/Tractor s
5	Sanghoi	1. SangoiKhas 2. SanghoiMallu 3. Toor 4. RaryalaBeeram 5. RaryalaJango 6. RaryalaJagdev 7. KotBaseera 8. GurhaSaleem 9. Gurha Ahmed	GHS Sanghoi	1-3KM	Boats/Trolley/Tractor s
6	Chotala	1. Chotala 2. Khurd 3. NawanLok 4. Mamian 5. Bhambhar	GHS MAMYAN	1-3 KM	Boats/Trolley/Tractor s
7	Darapur	1. Darapur 2. Shahpur 3. ChakMoju 4. Dilawar 5. Shah Kameer 6. Malikpur	GHS Darapur	-do-	Boats/Trolley/Tractor s
8	City area Urban Flooding	1. Dhok Abdullah 2. PeeranGhaib 3. Bagh Muhallah 4. ShumaliMuhallah	GHS CH M ALTAF HUSSAIN	1-3 KM	Boats/Trolley/Tractor s
		1. Shanti Nagar 2. Moh. Salman Paris	GHS COMP. JHELM	1-3 KM	Boats/Trolley/Tractor s
TEHSIL P.D KHAN					
9	Jalalpur &Haranpur	1. Shakirpur 2. Piranwala 3. Bhabhanwala 4. Syedanwala 5. Khewanwala 6. Sagherpur 7. Abdullahpur 8. Nawan Loke 9. Kanianwala 10. Burj Ahmad Khan 11. Dewanpur	Govt.High School for Boys. Jalal pur	2-20Km	Boats/Trolley/Tractor s
10	Jalalpur &Haranpur	12. Karimpur 13. Mirzapur 14. Azampur 15. Jaitipur 16. Burj Sattar 17. Fatehabad 18. Khotian 19. Chak Ali Shah 20. Dhingwal 21. Adowal 22. Haranpur 23. KotPhaphra 24. Qambar	Govt.High School for Girls. Jalal pur	3-15 Km	Boats/Trolley/Tractor s

11	Khan No. I	25.Daffar 26. Mahal Barani 27.Khilchi 28. Kalas 29. Mahal Amirpur 30.Naich 31.Kuliwal 32.Sehotra 33.Channanpur 34.Pithar Nadi 35.Kot Katcha 36.P.D.KhanTown (Mahal Chahi, Jhuggian, Mahal Salab, Mahal Wand)	MC Office Khewra	2-12 Km	Boats/Trolley/Tractors
TEHSIL DINA					
12	Mughal Abad	1.Bhora pindi 2.Khataa 3.Manga 4 .joian 5.Hasnot 6. Dulyal 7.Mughl Abad 8.Beli Budhar 9. Ara 10.Budar 11.Lohar	GHS Mera	1Km approx.	Boats/Trolley/Tractors
		1.Bharala 2. Chhan 3. Khurad 4.Pind Rajwal 5.Kotla Dittan 6.Pandori 7.Mughaln	G.H.S Mera	1Km approx.	Boats/Trolley/Tractors

PAKISTAN ARMY

The Pakistan army's resources can be 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 administration. Search & rescue and evacuation are the primary responsibilities of the 'Disaster Response Force' so if the resources of DRF fall short, the Army will immediately be called by the Deputy Commissioner / Chairman DDMA for high level flood.

INUNDATION MAPS

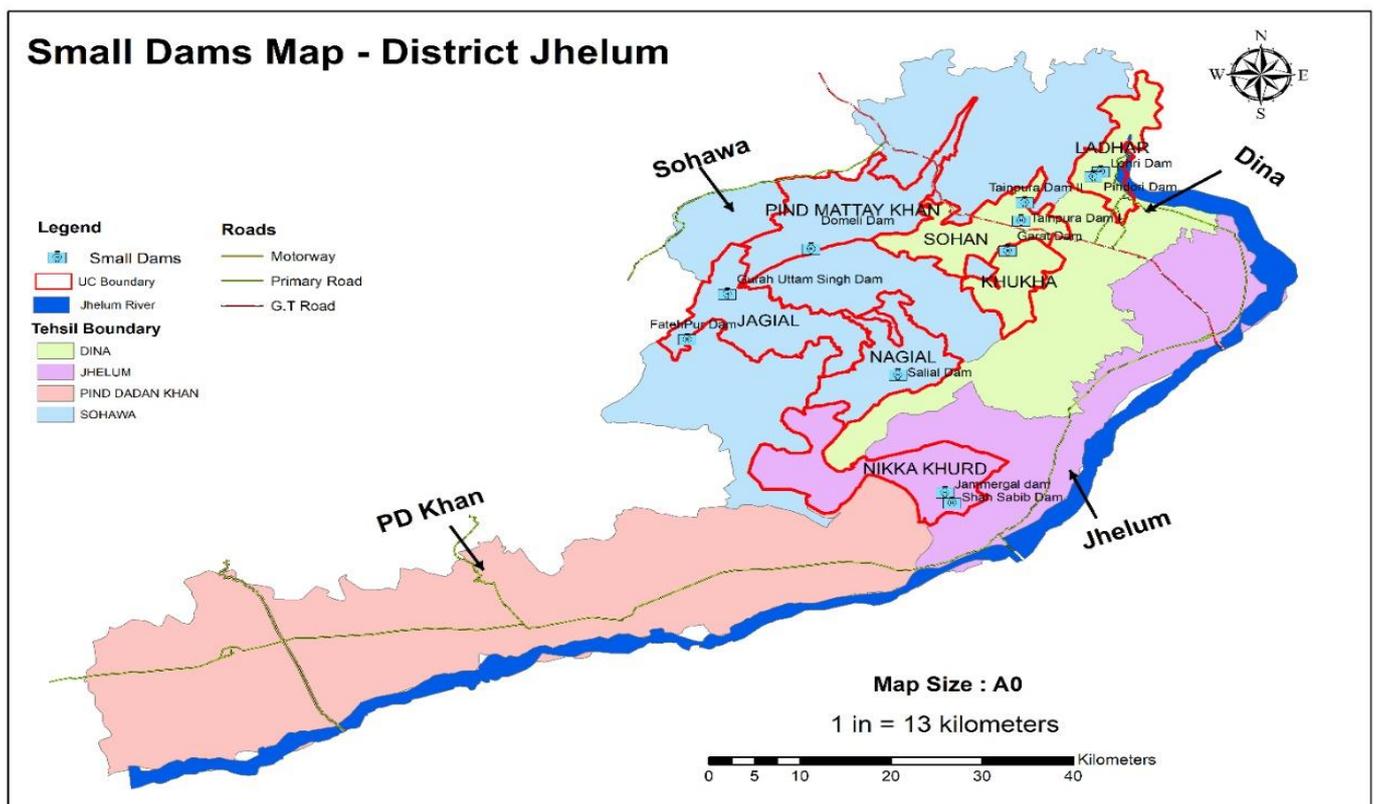


DEPLOYMENT PLAN OF RESCUE 1122 RESOURCES AT STRATEGIC LOCATIONS

TOTAL SECTORS= 06				
1. Sector Area:Channi (02 Boat with OBM-40Hp) Staff Deployed : 12 Rescuers				
Haider		Staff Name	Desig	Mobile No
Sector Incharge		Syed M. Saif Ullah	DR/SI	0345-5708886
2. Sector Area: Pakhwal (03 Boats with OBM-40HP) Staff Deployed : 12 Rescuers				
Shaheen		Staff Name	Desig	Mobile No
Sector Incharges		Mirza Nouman Baig	LFR	0332-3017718
3. Sector Area: Chotala(02 Boats with OBM-40HP) Staff Deployed : 12 Rescuers				
Ghauri		Staff Name	Desig	Mobile No
Sector Incharge		Ali Imran	S.DR/SI	0333-5886288
4. Sector Area: Dewan Pur (02 Boats with OBM-40HP) Staff Deployed : 10 Rescuers				
Mukhtar Shaheed		Staff Name	Desig	Mobile No
Sector Incharge		Faisal Inayat	FDR	0336-5141515
5. Sector Area: P.D Khan(02 Boats with OBM-40HP) Staff Deployed : 10 Rescuers				
Shahid Late		Staff Name	Desig	Mobile No
Sector Incharge		Sajjad Akbar	FDR	0333-8478979
6. Sector Area: Ahmed Abad (02 Boats with OBM-40HP)Staff Deployed : 10 Rescuers				
Janbaz		Staff Name	Desig	Mobile No
Sector Incharge		Sajjad Sarwar	FDR	0301-5818221

PLAN OF SMALL DAMS / HILL TORRENTS (NULLAHS) IN DISTRICT JHELUM

Irrigation department / small dam will issue alert in case of any untoward situation/flooding and Rescue 1122 will deploy resources for any rescue operation.



SMALL DAMS DIVISION JHELUM

S. No	Name of Dam	Tehsil	Gross Storage Capacity (Aft)	Live Storage Capacity (AFT)	Dead Storage Level	Pond Area in (Acres)	Location
1	Jammergal	Jhleum	2432	930	879.25	192	Situated at about 50 Km South West of Jhelum A tributary of Rivre Jhelum
2	Shah Habib	Jhelum	1665	536	902	38	Situated at about 2 Km South West of Jammergl village 50 KM District Jhelum A tributary of Rivre Jhelum
3	Tainpura I	Dina	7300	5775	959	133	Situated at about 12 Km North West of DinaTown, District Jhelum A tributary of Nullah Kahan
4	Tainpura II	Dina	1747	1211.18	989	86	Situated at about 12 Km North West of DinaTown, District Jhelum A tributary of Nullah Kahan
5	Garat	Dina	2227	1763	922.5	17	Situated at about 14 Km West of Dina, District Jhelum, A tributary of Nullah Kahan
6	Lehri	Dina	5705	4595	959	179	Situated at about 14 Km North of Dina Town, District Jhelum A tributary of Rivre Jhelum
7	Pandori	Dina	3795	3244	1451	161	Located at a distance of about 12.0 KM North of Dina town, Tehsil Dina District Jhelum
8	Sallal	Sohawa	527	417	1118.75	38	Situated at about 40 Km South West of Dina Town, District Jhelum A tributary of Nullah Kahan
9	FatehPur	Sohawa	1733	441	1545	60	Situated at about 34 Km South West of Domell Town, 84 KM from Jhelum District.A tributary of Nullah Bunah.
10	Domell	Sohawa	8690	3735	1153	182	Situated at about 3 Km North West of Domell Town, District Jhelum A tributary of Nullah Kahan
11	Gurrah Uttam Singh	Sohawa	2679	1030	1371	127	Situated at about 25 Km South West of Domell village, 75 KM from Jhelum A tributary of Nullah Kahan
			38500	23677.18	12249.5	1213	

HILL TORRENTS DEPLOYMENT PLAN

Sr.	Hill torrent Name	Originated from	Distance from Rescue Station	Tehsil	Emergency Vehicle Deputed
01	Ghaan Nullah	Kot Dhamaik	09 KMs	Sohawa, Dina, Jhelum	JHA-10 JR-1
02	Bunha Nullah	Miswal	32 KMs	Sohawa, Jhelum	JHA-13
03	Barra Gowah Nullah	Sohawa	37 KMs	Sohawa	JHA-14
04	Teen Pura Kas	Lehri	22 KMs	Sohawa, Dina	JHA-05
05	Wagh Nullah	Chamkon Valley	35 KMs	PD Khan	JHA-17
06	Gol Pur Nullah	Mountain	10 KMs	PD Khan	JHA-18
07	Saowal / Kusak Nullah	Mountain	15 KMs	PD Khan	JHA-19
08	Kandwal Nullah	Mountain	38 KMs	PD Khan	JHA-20

HEALTH DEPARTMENT

The overall responsibility of management and coordination would lie with Health & Nutrition Coordination Committee under overall supervision of CEO (DHA). The Coordination Committee will comprise of District Officer Health, Deputy District Officers Health, PHS, DCNP, CDCO, DSV, DSI and representatives from UN Development partners with CEO (DHA) as Chairperson. District Health Department will keep close liaison with DDMA for overall guidance and mobilization of additional resources.

Name	Designation	Cell #
Dr. Mian Mazhar Hayat Akhter	CEO (DHA) chairman	0333-5827424
Dr. Zahid Tanveer	DHO (PS) (Focal Person)	0300-9626148
Dr. Masood Ahmed	DDHO(PS) Jhelum	0332-8787668
Dr. Arshad Ali Tunioa	DDHO (PS) Dina	0300-5431507
Dr. Umair Khalid	DDHO (PS) Sohawa	0334-5097295
Dr. Mudasaar	DDHO (PS) PD Khan	0333-5301965
Dr. Jawad Ahmed	DC NP/PHS	0300-9516187
Mr. Faisal Sohail	DSI District Jhelum	0331-5849058
Mr. Shahid Aslam	DSV District Jhelum	0301-5680848
Mr. Ajmal Bashir	CDCO District Jhelum	0336-9678795

The coordination team would meet on weekly basis before floods to review the preparations and take mitigation measures accordingly. The team will meet more frequently in case of heavy rains or flood situations as announced by the DDMA. The District Control Room (DCR) will start functioning w.e.f 1st May 2023 under the supervision of Dr. Masood Ahmed, DDHO Jhelum contact No. 0332-8787668, which will function round the clock till directions from the DGHS office. At least one official will be available in this cell with telephone facility 24/7.

Declaration of emergency by DDMA will act as trigger to mobilize all mobile and static teams to already designated stations. The supply chain will be maintained to replenish the medicines and consumables on regular basis. District Team will coordinate with Provincial Team in case additional help or resources are required.

BASIC INFORMATION

Health facilities	
DHQs	01
THQs	02
RHCs	06
BHUs	49
Other Health Facilities	29
Human Resources	
Medical Officers	239
Male Paramedic	325
SH&N Supervisor	40
Female Paramedics	180
Support Staff	516

Male	492
Female	24
Drivers	28
Spray man	0
LHW	706
LHS	22
CMW	00

HR FOR EACH FIXED CENTER

➤ Medical officer	2
➤ LHVs	2
➤ Dispensers	2
➤ Support Staff Male	2
➤ Female	2
➤ Total Fixed Center	16

HR FOR EACH MOBILE TEAMS

➤ Medical officer	1
➤ LHVs	1
➤ Dispensers	1
➤ Driver	1

LOGISTIC MANAGEMENT

The district is ensuring prepositioning of reserve stocks before start of monsoon. After wards the replenishment will be made on regular basis from district reserve stores, provincial MSD and Development partners. The replenishment will base on consumption reports from respective Fixed Centers and Mobile Teams. In order to effectively manage the supply chain system, the logistic support system (LSS) will be made operational with the support of W.H.O. The list of essential medicines required in flood like situation is annexed. In addition, the contents of EHK are also annexed.

DISEASE SURVEILLANCE AND EPIDEMIC RESPONSE

At the same time DEWS reporting will be immediately converted to Daily Mode to timely detect and respond to epidemic. The District Epidemic Response Team (ERT) will comprise of DOH, District Pathologist, Medical Specialist and Pediatrician. The DEWS reports will be submitted to Provincial Flood Cell, at the office of DGHS Punjab, Regional Epidemic Response Cells at Medical Colleges, Regional Hubs for flood relief if any established through preferably email or otherwise fax to ensure earliest dissemination of report. At the same time Rapid Assessment for damages will remain an on-going process under close supervision of District Health & Nutrition Coordination Team.

IRRIGATION DEPARTMENT

Following watching establishment will be engaged during the flood season for watching and general maintenance of flood works on monthly basis. However, in case of very high flood or in real emergency, the strength of watching establishment will be increased with the express permission of Executive Engineer, Jhelum Canal Division.

Item	Flood Status									
	Low		Medium		High		Very High		Exceptional High	
	Men	Shift	Men	Shift	Men	Shift	Men	Shift	Men	Shift
1. Jabbar Bund.	1	-	1	2	3	2	4	2	5	3
2. UJC RD. 27500-41000.	1	-	1	1	2	1	3	1	5	2
3. Jhelum Protection Works (Studs & Bunds).	10	-	30	2	40	2	45	2	50	3
4. Guide bunds on left bank of River Jhelum.	8	-	1	-	4	2	25	1	35	2
5. Kahan River. (Gurha Ahmed Bund & Studs).+ Naugran Flood Bund	3	-	16	1	1	1	22	1	30	2
6. UJC RD. 414+000-425+000.	1	-	4	1	2	1	6	1	10	1

ARRANGEMENT AT SENSITIVE SITE

Necessary flood fighting material will be kept ready at vulnerable site.

ESTABLISHMENT OF FLOOD FIGHTING CAMPS

Flood fighting camp will be established at RD 3+500 of flood bund.

STATUS OF RESERVE STOCK

Sr. No.	Name of Division	Reserve Stock Limit (As per Yard Stick)	Quantity available	Balance Required	Tentative Cost of Stone (Rs. In Million)	Remarks
1	2	3	4	5	6	7
1	Jhelum	5.20	0.92	4.69	59.071	Tender for procurement of reserve stone stock were called for Cft and work was allotted to the M/S Balal Construction Co. Govt. Contractor. Contractor carried out Cft stone against Cft notice served / issued to contractor for procurement of remaining quantity of stone.

Detail is as under:-

Sr. No.	Name of Structure	Reserve Stock (Lac Cft)			Remarks
		Limit	Available	Required	
1.	Old Paharwal Guide Wall on Left Bank of River Jhelum	1.00	0.20	0.80	Will be procured before Flood Season on receipt of funds.
2.	Kharka Guide Wall on Left Bank of River Jhelum	1.00	0.00	1.00	
3.	GurhaJattan Guide Wall on Left Bank of River Jhelum	1.00	0.00	1.00	
4.	Malo Kas on Left Bank of River Jhelum.	0.20	0.00	0.20	
5.	New Paharwal Guide Wall on left Bank of River Jhelum.	0.40	0.00	0.40	
6.	Khaderiala Guide wall on Left Bank of River Jhelum.	0.40	0.20	0.20	
7.	Gurha Ahmed Bund on Kahan River.	0.30	0.324	0.00	
8.	Jhelum Cantt: Bund on Right Bank of River Jhelum.	0.20	0.174	0.08	
9.	Jhelum Protection works & studs on Right Bank of River Jhelum.	0.50	0.36	0.14	
10.	Spurs on Kahan River.	0.20	0.00	0.20	
	Total	5.20	1.258	4.02	

ZILA COUNCIL COUNCILS/ MCS/ LOCAL GOVERNMENT DEPARTMENT (DDLG)

- Zilla Council / MCs/ DDLG play an important role of providing Council services in the district including clean drinking water, sanitation facilities, maintenance of drains and removal of encroachment etc.
- Zilla Council / MCs 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 Councils besides disposal of waste or rain water/sewerage.
- MCs are equipped with trucks, water bowers, tractors, dewatering sets, bulldozers, loaders and dump trucks. All these equipment are utilized to restore proper sanitary facilities, they will ensure the delivery of clean water and remove debris or excess water.
- MCs sanitary workers will be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- The 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 MCs maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding. In Jhelum city MC Jhelum will have to perform very efficiently as when flood water raised in the river Jhelum the sewerage gate at city protection bund will be closed. Therefore, the sewerage water will be thrown in river through dewatering sets. MC Jhelum will ensure timely placement dewatering sets at city protection bund.
- The MCs will ensure supply of clean drinking in overhead reservoirs and ensure supply to the affected areas or relief camps through water bowzers. Clean drinking water is a major issue and requirement during any disaster.
- In case of any disaster that requires people to be relocated, the MCs under the concerned Administrator i.e DC/ADC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort, the local MC's 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.

AGRICULTURE EXTENSION DEPARTMENT

District Officer Agriculture (Ext) will utilize all sources for creating awareness among the farming community through special farmer trainings. The primary focus of the awareness program will be to secure the seed, fertilizer, tools, implements, farm machinery and Bhoosa (Fodder dry / wet) to a safer place at a short notice. The District Officer Agriculture will also ensure the supply of dry fodder for animals in the affected areas. For the purpose, the DO Agriculture Ext. will utilize the services of his own staff and local volunteers. The Deputy District Officer Agriculture Extension along-with the Livestock department will assist the DO Agriculture in the purpose.

Presently the Deputy District Officer Agriculture Extension and field staff of District Jhelum put on high alert. The Field Assistants have been assigned special task to survey the low lying areas and also to find any suitable place for the storage of the seed, fertilizer, tools, implements, farm machinery and bhoosa (Fodder dry / wet) to a safer place at a short notice in case of emergency. Close and regular contact with the farming community as well as their tehsil headquarters should be established till the threat of any calamity is over.

DUTIES OF AGRICULTURE EXTENSION

The Deputy District Officers Agriculture Extension will pay frequent and regular visits to such areas and also establish close contact with the administration/ flood control centre of their respective tehsils as well as the allied departments. They will also motivate farmers to harvest the mature crop as soon as possible. A weekly meeting of Field Staff will be arranged in order to get latest update of the situation.

LIVESTOCK DEPARTMENT

The live stock department will ensure veterinary coverage and prophylactic vaccination i.e. HSV, B.Q.V, PPRV, ETV and ND vaccination has been done during vaccination campaign as per notified schedule given by the Admin Department in district Jhelum for the year 2024-25 implemented through the supervision of SVO & V.O. The Para Veterinary Staff will start prophylactic vaccination program in their respective areas.

VETERINARY INSTITUTIONS IN FLOOD AREA

Veterinary Hospitals.	Veterinary Dispensaries.	Veterinary Centre.	A.I. Centre.	A.I. Sub-Centre.	Total
7	2	21	3	4	37

CONTROL ROOM

Flood emergency control cell will be established in the office of the Additional Director Livestock, Jhelum Telephone 0544-920080. This will work round the clock under the supervision of an officer along with two office Assistants for collection of information from the field and to pass on to higher authorities.

LIASION DUTIES

Additional Director Livestock will maintain close contact with the Deputy Commissioner Office (Incharge District Flood Emergency Controlling Cell) to seek instructions and pass on relevant data. The A.D.L. will also depute a responsible official to work in the control room day and night.

LIASION AT TEHSIL LEVEL.

Deputy Director Livestock of the department at Tehsil level shall maintain close contact with Assistant Commissioner and keep him well informed and seek his help if necessary.

MONITORING AND SUPPLY

Additional Director Livestock will supervise the work performance at flood sectors and will ensure the supply of medicines and vaccines.

AWARENESS AND PUBLICITY

The banners regarding flood relief activities will be displayed on the prominent places and on flood relief centers to inform flood affectees about the facilities available for vaccination and treatment of animals.

FLOOD EMERGENCY MEDICINES

Additional Director Livestock will ensure the availability of adequate stock of medicines.

DAILY FLOOD REPORTING SYSTEM

Daily flood reports regarding vaccination work in flood affected areas will remain in progress till 15th October ,2023 to keep in touch with the higher authorities about rehabilitation work (vaccination, treatment and de-worming etc.) in respect of flood affected livestock breeders and farmers.

EMERGENCY TELEPHONE NUMBERS

Designation.	Telephone Nos.	
	Office.	Cell #
Additional Director Livestock Jhelum.	0544-920080	0333-8007720
Deputy Director Livestock P.D.Khan	-	0300-7470958
Deputy Director Livestock Jhelum	-	0300-6744959
Deputy Director Livestock Dina	-	0300-5458814
Veterinary Officer (H) Sanghoi	-	0332-7740930
Senior Veterinary Officer (H) Darapur	-	0315-7462050
Veterinary Officer (H), Chak Akka.	-	0300-5414492
Veterinary Officer (H), Pinanwal	-	0300-9856051
Veterinary Officer (MVD) P D Khan	-	0300-9800487

SOCIAL WELFARE DEPARTMENT

DETAILS OF AVAILABLE HUMAN AND MATERIAL RESOURCES

Focal Persons	Relief Camps	Relief Centers	Officials Gazt/NonGazt	Name of NGOs	Name of NGO's Representative with contact #	Philanthropists / Donor agencies	Available Human and Material Resources (Volunteer / Available with the NGOs)			
							No. of Volunteers (Facilitators in	No. of Blood dono	No. of Swimmers	Other Material Resources
1- (Deputy Director or Social Welfare & Bait UIMaail Jhelum	Tanzeem-eAmal, Jhelum.	ShandarChowk Jhelum	Gazetted=04 Non-Gazetted=30 Total=34	Tanzeem-eAmal, Jhelum.	Khawaja umar 03335861115	07	140	140	Nil	03 Ambulances
	Al-Falah Jhelum	Machine Mohallah No. 2 Jhelum		Al-Falah Jhelum	Umar butt 0331-8001122					
	Khair-un-Naas Tanzeem Jhelum	Jada Chungi Jhelum		Khair-un-Naas Tanzeem Jhelum	Ch. Iqbal 03009522689					
	Al-Markaz Jhelum	Al markaz Road Jhelum		Al-Markaz Jhelum	Col. Ubaid 0333-5169046					
	Rehmat Welfare Foundation Jhelum	Kala Gujran Jhelum		Rehmat Welfare Foundation Jhelum	Ijaz Ahmed 03337105055					

2- (Social Welfare Office rs) Tehsil Jhelum Tehsil Dina & Tehsil PD Khan	AnjumanRafa-e-AamaP.D.Khan	P.D Khan City	AnjumanRafa-e-AamaP.D.Khan	Ch. Irshad Ali 03014188779
	AIMS P.D Khan	AIMS P.D.Khan	AIMS P.D Khan	Ubaid Malik 03005309064
	AnjumanRafa-e-AamaGharibwal.	Dharyala	AnjumanRafa-e-AamaGharibwal.	Abdul aziz 03454257857
	AnjumanBehbood-eMarizan Dina	ManglaCantt Chowkdina	AnjumanBehbood-eMarizan Dina	Saleem Kisana 03009586319
	Burraq Human Rights Welfare Organization	Rohtas Fort	Burraq Human Rights Welfare rganizationRohtas	Ch. Muhammad basher 033454034
	Muhammad Khan social Welfare Council Sohawa	Govt. Elementary School for Boys	Muhammad Khan social Welfare Council Sohawa	Dr. Furqan 03145457351

LIST OF AVAILABLE ITEMS, SOCIAL WELFARE AND BAIT-UL-MAAL

Sr. #	Name of District	Name of Deptt.	Cars/Jeeps	Pick ups	Mini Trucks	Ambulances	Water Tanks/Boilers	Tractors	Tractors/Trolleys	Boats	Boat Engines	De waters/Tanks	Tents	Any Other Equipment
1.	Jhelum	Deputy Director (Social welfare) Jhelum	1	--	---	03 (i) Old Peoples Welfare Society Jhelum (ii) Patient Welfare Society DHQ Jhelum (iii) Rehmat Welfare Foundation Jhelum	--	---	--	--	---	---	--	
2.		Superintendent (Shelter Home) Jhelum	1	--	---	--	--	---	--	--	---	---	--	
3.		SWO (District Jail Jhelum)	1	--	---	--	--	---	--	--	---	---	--	
	TOTAL		3		--	03	--	--	---	--	--	--		---

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:

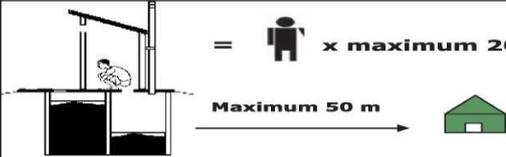
Natural or man-made disasters often displace large numbers of people, forcing them to inhabit temporary shelters and camps. Temporary shelter is provided by the Government and humanitarian organizations as part of the emergency response. The Government utilizes public buildings such as schools or portable tents to provide immediate cover to the affected communities. Public facilities such as schools, barracks, warehouses, play-

grounds, 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 ² per person	 30 - 45 m ²
	Fire breaks	2 m = minimum distance between tents	
Living area	Covered floor area	3.5 m ² 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

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
1	GHS SANGHOI	300	32.8642357 73.6029763	16	GHS TOBA	200	32.5745874, 72.8189404,
2	GHS Chotala	400	32.81287 73.57313	17	GHSS LILLA	225	32.5669455, 72.7471467,
3	GHS MAMYAN	200	32.8011074 73.5304438	18	GGHS JALAL PUR SHARIF	200	32.6572492, 73.4038914
4	GES BAJWALA	100	32.7595206 73.5067396	19	GHSS JALAL PUR SHRIF	250	32.6572492, 73.4038914
5	GHS DARAPUR	150	32.7327785 73.5407479	20	GHS DHARYALA JALIP	200	32.6509357, 73.224436
6	GHS JHELUM	150	32.9442501 73.7187169	21	GHS PINANWAL NO.2 PDKHAN	200	32.6577824, 73.2717291
7	GHS COMP. JHELUM	200	32.9440878 73.720019	22	GHS ATHAR	150	32.5507462, 72.8356483
8	GHSS MC ISLAMIA JLM	100	32.9432081 73.7314204	23	GHS MALYAR	200	32.475276, 72.8005753
9	GHS CH M ALTAF HUSSAIN	150	32.934997 73.735717	24	Govt. Graduate College G.T. Road, Jhelum	500	32.9711616 73.6886784
10	GGHS JR. MODEL JHELUM	200	32.9544474, 73.7448093	25	Govt. Graduate College Tahlianwala Jhelum,	100	32.959426873 7.463176
11	GGHSS NO.2 JHELUM	180	32.9409026, 73.7213898	26	Govt. Graduate College for Women Jhelum	200	32.9431634 73.7368629
12	GHS JADA JHELUM	150	32.9480042, 73.7139815	27	Govt. Associate College for Women Sanghoi, Jhelum	30	32.891411 73.652429
13	GHS MAIRA	200	33.037795, 73.6797247	28	Govt. Associate College (W) PindDadan Khan	100	32.9711616 73.6886784
14	GGHS DHANYALA	150	33.042546, 73.6782071	29	Govt. Al-Biruni Associate College PindDadan Khan (Jhelum)	200	32.5986984 73.0339777
15	GHS Domeli	150	33.011072 73.341348				

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 Chautra Kolepur Kharala Khokhar Kala Dev Kalar PindRatwal TawaklpurPakhwal PakhwalKhas Sahapur Khawaspur
		Kotla Faqeer, Sanghoi		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
		Chotala, Darapur		Chotala Khurd NawanLok Mamian Bhambhar
Floods				Darapur Shahpur ChakMoju Dilawar Shah Kameer Malikpur
	Dina	Mughal Abad		Bhora pindi Khataa Manga Joian Hasnot Dulyal Mughl Abad Beli Budhar Ara Budar Lohar
		Dhanyala		Bharala Chhan Khurad Pind Rajwal Kotla Dittan Pandori Mughaln
	Pind Dadan Khan	Jalalpur, Pindi Saidpur, Dharyala Jalib, Chak Shadi, Dolat Pur & Haranpur		Shakirpur Piranwala Bhabhanwala Syedanwala Khewanwala Sagherpur Abdullahpur Nawan Loke Kanianwala Burj Ahmad Khan Dewanpur Qamar Karimpur Mirzapur Azampur Jaitipur Burj Sattar Fatehabad Khotian Chak Ali Shah Dhingwal Adowal Haranpur Kot Phaphra

Floods		Gujjar, P.D. Khan & Gol Pur		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)
		Ahmedabad & Lillah		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		
2	Pind Swika	Tehsil Jhelum	32°46'6N 73°21'25E	BHU		
3	Haranpur	Tehsil PD Khan	32°36'11N 73°8'53E	BHU		
4	Sauwal	Tehsil PD Khan	32.6500°N 73.2220°E	BHU		
5	Kotla Syedan	Tehsil PD Khan	32°40'0N 73°20'0E	BHU		
6	BHU Panchore	Tehsil Sohawa	33.1536°N 73.5609°E	BHU		

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	33.055920 73.724270			
2	GGES Jagta	Middle	32.819630 73.512620			
3	GBES Pandori	Middle	33.055910 73.724260			
4	GBPS Janwal	Primary	32.998200 73.723120			
5	GBPS Munwar Pur Beli	Primary	32.994480 73.769560			
6	GBPS Makhdoom Pur Beli	Primary	32.988500 73.779100			
7	GGHS Haran Pur (Primary Portion)	High	32.602550 73.154600			
8	GMPS Kukar Pindi	Primary	32.698610 73.172190			
9	GMES Doulat Pur	Middle	32.687800 73.296750			
10	GGPS Dera Yar Muhammad	Primary	32.591686 73.053699			
11	GGPS Chitti	Primary	32.666520 73.384210			
12	GGPS Kot Peero Wala	Primary	32.603780 73.168530			
13	GMPS Adhowal	Primary	32.616650 73.179760			
14	GBPS Malyar	Primary	32.471400 72.798250			
15	GBPS Jati Pur	Primary	32.624430 73.238080			
16	GGPS Chak Esa	Primary	32.928420 73.654250			
17	GHS Dina	High	33.033300 73.595850			
18	GMPS Doyian	Primary	32.996170 73.573180			
19	GES Thekrian	Middle	33.039350 73.597320			
20	GGPS Teen Pur Bala	Primary	33.061620 73.537720			
21	GPS Chah Faqeer Ullah	Primary	32.985870 73.591460			

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
22	GGES Muftian	Middle	33.018930 73.597840			
23	GES Thill Hamlet	Middle	32.699330 73.322960			
24	GMPS Ara Khariot	Primary	33.191260 73.515800			
25	GPS Bogi Chak	Primary	32.947870 73.459980			
26	GPS Ghaziot	Primary	32.944040 73.411590			
27	GPS Sari Ghanial	Primary	32.939820 73.403570			
28	GES Shah Safeer	Middle	33.058320 73.301040			
29	GBPS Khurd	Primary	32.807520 73.576340			
30	GGPS Ghowra	Primary	32.692100 73.339900			
31	GBPS Kot Kalan	Primary	32.591080 73.049470			
32	GGPS Chak Hameed	Primary	32.638600 73.207560			
33	GBPS Mandi Muhammad Saddique	Primary	32.581980 73.035010			
34	GBPS Chajja	Primary	33.0797092 73.6327259			
35	GGPS Gagar Khurd	Primary	32.992180 73.541770			
36	GGPS Ali Pur	Primary	32.933150 73.220080			
37	GGPS Kandiri	Primary	33.086130 73.363190			
38	GGPS Purana Kot	Primary	33.020110 73.208810			
39	GMPS Ladwa	Primary	32.665560 73.330480			
40	GGPS Pindi Baikh	Primary	32.5484052 72.9681762			

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	32.9883005 73.6759097	-		Low	Fire	Mirza Anayat Ullah.	0345-5311882
3	M/s Supreme Elastic Ind:	21,22-B	32.9894344 73.6773474	-		Low	Fire	Haji Abdul Ghafoor	0314-5420000
4	M/s Luqman Industries.	46-A	32.9893984 73.6782164	-		Low	Fire	Naeem Iqbal Chishti	0300-9513099
5	M/s Mughal Brothers.	205-A	32.9872656 73.6800940	-		Low	Fire	Kafayat Ullah	03009583684
6	M/s Ali Lal Flour Mills.	65-A	32.9874996 73.6791284	-		Low	Earthquake	Mushtaq Ahmed	03055093083
7	M/s Crescent Industries.	170,171-B	32.9891194 73.6786563	-		Low	Fire	Kafayat Ullah	03009583684
8	M/s Al-Saleem Flour Mills.	58,59-A	32.9882735 73.6758346	-		Low	Earthquake	Anjum Saleem Meer	03215454999
9	M/s M.A.S. International.	27-B	32.9891734 73.6773796	-		Low	Fire	Ch: Shabir Hussain	Not available
10	M/s Sherbaz Flour Mills.	42-A	32.9892364 73.6758346	-		Low	Earthquake	Raja Raees Iqbal	0300-9511343
11	M/s S.S. Melamine Industries.	164,165-C	32.9889125 73.6754484	-		Low	Fire	Sh: Sohail Jaan.	0300-9518543
12	M/s Raheel Soap.	47-B	32.9881565 73.6790855	-		Low	Earthquake	Raheel Kayani	0300-6296618
13	M/s New Mughal Traders.	81-B	32.9883005 73.6758097	-		Low	Fire	Mirza Anayat Ullah	0345-5311882
14	M/s Jhelum Wood Works.	175-B	32.9873646 73.6781306	-		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 Umer 03335861115
2	Al-Falah Jhelum	Local	Machine Mohallah No. 2 Jhelum	General Welfare	Umar butt 0331-8001122
3	Khair-un-Naas Tanzeem Jhelum	Local	Jada Chungi Jhelum	Health, Education and General Welfare	Ch. Iqbal 03009522689
4	Al-Markaz Jhelum	Local	Al markaz Road Jhelum	Sports, General Welfare	Col. Ubaid 0333- 5169046
5	Rehmat Welfare Foundation Jhelum	Local	Kala Gujran Jhelum	Health Facilities for Kidney Patients	Ijaz Ahmed 03337105055
6	Anjuman Rafa-e- Aama PD. Khan	Local	P.D Khan City	Industrial Home	Ch. Irshad Ali 03014188779
7	AIMS P.D Khan	Local	AIMS PD Khan	General Welfare	Ubaid Malik 03005309064
8	Anjuman Rafa-e- Aama Gharibwal.	Local	Dharyala	General Welfare	Abdul Aziz 03454257857
9	Anjuman Behbood-e- Marizan Dina	Local	Mangla Cantt Chowk Dina	Patient Welfare	Saleem Kisana 03009586319
10	Burraq Human Rights Welfare Organization Rohtas	Local	Rohtas Fort	General Welfare	Ch. Muhammad basher 03215403488
11	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	Designation	Telephone (Office)	Mobile
Focal Person for Disasters		Addl.Deputy Commissioner (Rev), Jhelum	05449270102	0322-4742074
Sr.#	Name	Designation	Telephone No.	Mobile No.
1	Meesam Abbas	Deputy Commissioner, Jhelum	0544-9270081	0304-0920071
2	M Tariq Aziz Sindhu	District Police Officer, Jhelum	5449270042	0300-9521434
3	M. Hassaan Ahsan	Addl.Deputy Commissioner (Rev), Jhelum	0544-9270102	0322-4742074
4	Ms. Saba Sehar	Addl.Deputy Commissioner (G), Jhelum	0544-9270109	0301-4423004
5	Shams Ur Rehman	Assistant Commissioner, Jhelum	0544-920012	0341-5223565
6	Ms. Safa Abid	Assistant Commissioner, Dina	0544-280371	0323-4149800
7	Ms. Nadia Parveen	Assistant Commissioner, P.D Khan	0544-221101	0320-5200475
8	Afzaal Chowan	Assistant Commissioner, Sohawa	0544-224036	0313-1527000
9	Vacant	Assistant Commissioner, (HR/Coord)	0544-9270108	
10	Syed Faizan Hayder Shah	S.E (Hydrology) WAPDA Mangla	---	0300-3032188
11	Engr. Saeed Ahmed	District Emergency Officer, Rescue 1122	0544-275522	0333-5526365
12	Mubashar	DO CTD, Jhelum	0544-274035	0345-5826311
13	Tariq Shafi	DSP Traffic	0544-9270300	0323-0411717
14	Iftakhar Ahmed Bhatti	DSP NH&MP	0544-284385	0300-5273827
15	Ahsan Butt	Chief Security Officer	0544-9270060	0333-8600866
16	Shakeel Ahmed	District Attorney	--	0300-5441411
17	Syed Hassan Mujtaba Shah	Superintendent, District Jail Jhelum	0544-9270062-63	0333-8758599
18	Shahzad	Tehsiladar Jhelum	.-	0345-5743818
19	Shamsher Ranjha	Tehsildar Dina	.-	0300-8720257
20	Saleem Raza	Tehsildar PD Khan	.-	0300-9500543
21	Jamal Nazeer	Tehsildar Sohawa	.-	0333-5003091
22	Usman Gondal	Chief Officer District Council, Jhelum	0544-9270141	0303-6060551
23	Mubarak Ali	CO (MC) Jhelum	0544-9270098	0333-5147057
24	Gulshan Noreen	CO(MC), Dina	0544-630684 0544-636550	0321-4944907
25	Akhtar Islam	CO(MC), Sohawa	0544-224045-47	0301-6257057
26	Arbab Arif	CO(MC), PD Khan	0544-210211 0544- 212811	0300-9626945
27	M. Suleman	CO(MC), Khewra	0544-231011	0300-5332259
28	Ali Haider	XEN P.H.E.D	0544-9270114	0331-5144400
29	Fahad Mazhar	XEN Building Division Jhelum	0544-280269	0323-4759210
30	Ms. Ezza Saleha	XEN Prov. Highway	0544-280237	0336-5273059
31	Mubashir Majeed	XEN Irrigation UJC JLM	0544-9270330	0332-5449212
32	Raja Sohail	XEN Irrigation LJC JLM Rasul	0546-553211	0340-7159459
33	Muhammad Naveed	XEN Irrigation MB DIN	0546-506302	0333-4915939
34	Mubashar Majeed	XEN Small Dam	0544-651360	0332-5449212
35	Madam Sumbal Zahra	XEN SNGPL Jhelum	0544-272032	0331-2132356

S#	Person Name	Desigantion	Telephone (Office)	Mobile
36	Zakir Hussain	XEN IESCO Jhelum	0544-920288	0319-5990404
37	Dr. Mazhar Hayat	Chief Executive Officer, DHA Jhelum	0544-9270266	0333-5827424
38	Dr. Zahid Tanveer	DHO(PS) DHA Jhelum	0544-9270267	0300-9626148
39	Dr. Mudassar	DDO Health PD Khan	0544-210998	0331-6459854
40	Dr. Masud Ahmed	DDHO Jhelum	0544-9270418	0332-8787668
41	Dr. Umair Khalid	DDHO Health Sohawa	0544-710590	0334-5097295
42	Dr. Arshad Ali	DDHO Health Dina	0544-635944	0300-5431507
43	Dr. Shakeel	MS DHQ Hospital Jhelum	0544-9270262	0300-5422339
44	Dr. Awon	MS THQ Hospital PD Khan	0544-210810	0345-5375749
45	Dr. Suresh Kumar	MS THQ Hospital Sohawa	0544-710759	0301-5377889
46	M. Saleem Shah	Chief Executive Officer, DEA Jhelum	0544-9270208	0300-6599988
47	Hammad Raza	Dy. Director Colleges	0544-734193	0334-7366612
48	Ishtiaq Ahmad	Dy. Director (Development)	0544-9270016	0334-8758494
49	Muhammad Irfan	District Election Officer	0544-273322	0300-5495577
50	Bilal Sarwar (Add. Charge)	District Monitoring Officer, Jhelum	0544-9270089	0344-7700111
51	M. Ahsan Saleem	Assistant Director Mines & Minerals	0544-276489	0346-4396604
52	Saboor Saqib	DDMC Jhelum	0544-230151	0333-5863919
53	Shakeel Akhtar	System Network Administrator Jhelum	0544-276727	0333-4149029
54	Ijaz Ahmad	Rescue & Safety Officer, PD Khan	0544-210172	0336-7321122
55	Zia Ullah Khan	Station Coordinator, Dina	0544-280295	0300-7230224
56	Zia Ullah Khan	Station Coordinator, Sohawa	0544-710224	0300-7230224
57	Abid Javid	Deputy Director Agri. Extension	0544-9270324	0300-9517630
58	Imran	District Sport Officer, Jhelum	0544-9270273	0333-6791738
59	Ghulam Murtaza	Addl. Director Live Stock, Jhelum	0544-9270080	0300-4664832
60	Saeed Ahmad	DO IPW&M (Industries)	0544-276643	0300-5423376
61	Muhammad Nabeel	District Information Officer	0544-276346	0321-6190795
62	Khizar Hayat Khan	Dy. Director (Social welfare)	0544-9270190	0340-1772993
63	M. Saleem	Manager District Sanatzar	0544-9270199	0314-9557035
64	Kamran Kazmi	Divisional Forest Officer, Jhelum	0544-9270032	0335-5122512
65	M.Imran	District Food Controller	0544-9270094	0305-2353531
66	Maryam	Dy. Director Local Government	0544-9270101	0335-3066630
67	Babar Imran	Assistant Director (Enviroment)	0544-272937	0334-6045437
68	Hassan Khalid	District Population Welfare Officer	0544-734515	0321-6219007
69	Malik Tahir Shahzad	Excise & Taxation Officer, Jhelum	0544-9270309	0305-4892392
70	Raza Haider Mahboob	Sec. DRTA, MVE Jhelum	0544-276785	0311-5044461 0311-7000600
71	Farhan Waseem	D.D Punjab Food Authority	0544-646127	0330-1423319
72	M. Ishfaq	DO Civil Defence	0544-9270255	0322-8409512
73	Sanaur Rehman Anjum	DO Zakat & Ushar	0544-276307	0334-9048400
74	Rana Ishfaq	AD Wildlife	0544-9270344	0333-7701812

ANNEX VIII: LIST OF VOLUNTEERS

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
DETAILS OF ACTIVE UN PAID CIVIL DEFENCE VOLUNTEERS JHELUM FOR ANY EMERGENCY						
<u>DUTIES</u>						
1	Sajjad-ul-Haq S/O M. Mazhar-ul-Haq	37301-6910956-3	Near Police Lines, Dhoke Muqarrab, Jhelum	0335-5418103		543
2	Hussain Ali S/O Ghulam Rasool	37301-9598169-7	Near Islamia High School, Moh. Sultan Pura Jhelum	0303-8181442		763
3	Raheel Ali S/O Mehboob Elahi	37301-7819395-3	Mohallah Bagh, Jhelum	0333-5846918		709
4	Ramzan Ali S/O Mumtaz Ali	37301-1945017-7	House No. C/83, Mohallah Malahan Jhelum	0300-5422186		740
5	Muhammad Irfan S/O Nazir Muhammad	81202-8299778-1	House No. D/97, Bagh Mohallah Jhelum	0336-9353770		749
6	Muhammad Afzal S/O Abdul Aziz	37301-2250996-3	House No. B-1-705, Street No. 2, Mohallah Chishtian Jhelum,	0313-5463423		741
7	Ikram S/O Rahim Dad	37301-7578280-9	Shalom Christian Center, Civil Lines Jhelum	0332-0505220		682
8	Abu Huraira S/O Zahid Ahmed	37301-5082262-1	House No. D-367, Bagh Mohallah Jhelum	0304-1669088		732
9	Suleman Zahid S/O Muhammad Zahid	37301-6500153-9	House No. D-314, Bagh Mohallah Jhelum	0332-2953612		734
10	Raja Muhammad Farooq S/O Raja Abdul Ghani	37301-9049623-7	House No. B-X-3-R-37, Bagh Mohallah Jhelum	0334-9200007		544
11	Muhammad Waqas S/O Muhammad Ramzan	37301-6781856-9	House No. B-V-99, Moh. Kharadian, Jhelum	0322-5894361		679
12	Usama Azhar S/O Azhar Hussain	37301-9088219-9	House No. C/52, Mohallah Malahan, Jhelum	0305-8706812		708
13	M. Akhter Ali S/O Nazir Ahmed Mirza	37301-2333685-5	H. # BX-1-3R-33, Baba Karam Shah Jhelum	0300-4724384		545
14	Tariq Mehmood S/O Haji Ata Muhammad	37301-0328199-9	House No. C-30, Mohallah Shumali, Jhelum	0336-5816576		549
15	Bilal Haider S/O Muhammad Akhter Ali	37301-4881716-5	Mohallah Shumali, Jhelum	0331-5564962		550
16	Muhammad Mushtaq S/O Muhammad Ismail	37301-2358396-9	House No. A-80, Ghallah Mandi, Jhelum	0321-5425119		554
17	Muhammad Saeed S/O Muhammad Aslam	37301-2252864-3	House No. BXI-14-5-2, Moh. Shumali, Jhelum	0306-8164884		556
18	Asif Mehmood S/O Ata Muhammad	37301-2242281-5	House No. C-30, Mohallah Shumali, Jhelum	0336-5816576		553
19	Shafiq-ur-Rehman S/O Nazeer Ahmed	37301-2360363-1	Mohallah Ameer Muavia, Jhelum	0300-9515101		680
20	Nazir Mehmood S/O Subah Sadiq	37301-2299333-9	Street No. 8, Mohallah Shumali, Jhelum	0332-5842708		547
21	Asif Mehmood S/O Muhammad Hussain	37301-6164336-3	Kutchehry Road, Mohallah Dhoke Muqarrab, Jhelum	0301-8165326		761

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
22	Asad Mehmood S/O Arshad Mehmood	37301-5341095-9	Nai Abadi Karim Pur Road, Mohallah Dhoke Firdaus, Jhelum	0307-5649271		762
23	Muhammad Yousaf S/O Noor Muhammad	37301-2409103-3	Machine Mohallah No. 3, Jhelum	0313-0815102		733
24	Nasir Malik S/o Muhammad Afsar	37301-7693804-7	House No. D-159, Mohallah Bagh, River Road Jhelum	0313-5411982		730
25	Rashid Mehmood S/O Muhammad Ramzan	37301-4906569-5	House No. B-V-99, Moh. Kharadian, Jhelum	0315-5861662		672
26	Qasim Hussain S/O Mushtaq Hussain	37301-9232460-9	Near Sabri Masjid, Bilal Town Jhelum	0317-5596946		767
27	Asghar Ali S/O Ghulam Qadir	37405-7616166-5	Civil Lines, Jhelum	0300-4724384		673
28	Nasir Jameel S/O Muhammad Sabir	37301-5144391-9	H. # BII-15, Moh. Baba Mehdi Shah, Jhelum	0308-9149775		681
29	Muhammad Awais S/O Muhammad Ramzan	37301-6575742-9	House No. B-V-99, Moh. Kharadian, Jhelum	0332-9496618		677
30	Saeed Ahmad S/O Muhammad Saddique	37301-2242299-9	H. # B-II-56-S, Machine Moh. No. 03, Jhelum	0300-9515070		592
31	Saim Tariq S/O Tariq Hussain	37301-6877959-5	H. # K-104, Machine Moh. No. 03, Jhelum	0309-5971537		685
32	Nazar Hussain S/O Nazeer Hussain	41304-0503200-7	Machine Mohallah No. 03, Jhelum	0314-5442688		637
33	Shaheen Adil S/O Salehon	34401-7292110-1	Jada, Mohallah Mujahid Abad, Jhelum	0340-3317842		704
34	Muhammad Usman S/O Hakim Ali	81302-5964267-9	Moh. Abbas Pura, Near Police Lines Jhelum	0342-5247748		705
35	Muhammad Saghir S/O Muhammad Nazir	37301-1594766-1	Iqbal Town, Dhoke Firdaus Jhelum	0336-5124152		
36	Shabbir S/O Manzoor Hussain	37301-9328452-3	H. # B-1-120, Dhoke Naik Alam, Jhelum	0343-8501394		739
37	Adnan Iqbal S/O Zafar Iqbal	37301-2302817-5	Dhoke Firdaus, Jhelum	0344-5357542		765
38	Ali Asghar S/O Muhammad Nazir	37301-7630757-5	Iqbal Town, Dhoke Firdaus Jhelum	0336-5336588		766
39	Faisal Shahzad S/O Muhammad Farooq	37301-6152742-5	H. # 247/74, Karim Pura Road, Dhoke Firdaus, Jhelum	0310-9214302		738
40	Jahangir Nasir S/O Nasir Mehmood	37301-6276136-1	H. # BX-3-S-55, Moh. Mistran, Jhelum	0331-4458580		713
41	Tahir Waseem S/O Ch. Muhammad Sultan	37301-2069826-3	Machine Moh. No. 03, Near Masjid Allah Wali, Jhelum	0300-9523599		684
42	Muneer Ahmed S/O Abdul Aziz	37301-2272707-7	Civil Lines, Mohallah Kausar Colony, JLM	0309-0540470		639
43	Muhammad Hamza S/O Sana Ullah	37301-0338615-3	Near G.G.P.S Moh. Karim Pura, Jhelum	0318-0562326		715
44	Umar Farooq S/O Sh. Rafi-ud-Din	37301-1597409-7	H. # C/13, Koocha Daktran, Moh. No. 03, Jhelum	0331-5998785		769
45	Sadaf Hussain S/O Muhammad Khaliq	37301-7449268-3	H. # BII-802, Machine Moh. No. 03, Jhelum	0348-5610510		656
46	Ghyas Ali S/O Zamurd Hussain	37301-8744524-9	House No. 309, Moh. Shumali Jhelum	0321-5431732		763

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
47	Iftikhar Ahmed S/O Muhammad Younas	37301-2299297-5	Shumali Mohallah Jhelum	0332-5883536		709
48	Ali Ahmed Khan S/O Abdul Qayyum Khan	37301-4001014-1	House No. G-169, Machine Moh. No. 2, JLM	0333-5823780		740
49	Javed Mehmood Butt S/O M. Anwar Butt	37301-3334801-5	Chak Baraham Road, Kala Gujran Jhelum	0334-8995783		749
50	Umair Majeed Ahmed S/O Majeed Ahmed	37301-5812236-5	House No. D-429, Bilal Town Jhelum	0302-5835790		741
51	Yasir Saleem S/O M. Saleem Raza	37301-5636099-7	Usman Street, Moh Itehad Colony Jhelum	0334-5419080		682
52	Muzaffar Iqbal S/O M. Iqbal	37301-2233576-7	Kotha Purana, P.O Kal Gujran, Jhelum	0312-6753684		732
53	Shahid Mehmood S/O Rasheed Ahmed	37301-2302732-1	Village Raia, Jhelum Cantt.	0300-5430600		734
54	Muhammad Azeem S/O Muhammad Naeem	81102-4688949-5	Dhoke Juma, Jhelum	0317-7907918		544
55	Sabir Hussain S/O Roshan Din	82102-8232261-7	Mohallah Chishtian, Jhelum	0301-5832979		679
56	Luqman Talat S/O Talat Mehmood	37301-3918306-7	Imam Bargah, Machine Moh. No. 01, Jhelum	0331-5964526		708
57	Talal Ali S/O Sajjad Azmat	37301-5823465-9	House No. B-1-1526, Bilal Town Jhelum	0342-5248906		545
58	Asad Ali S/O Azhar Ali	37301-3110787-1	Near Masjid Gunbad Wali, Jhelum	0321-5811999		549
59	Aafaq Rasheed S/O Muhammad Rasheed	37301-5682877-1	Mohallah Chishtian, Street No. 4, Jhelum	0301-5823942		550
60	Muhammad Usman S/O Ehsan Ahmed	37301-8885342-9	House No. D-835, Bilal Town Jhelum	0310-1569385		554
61	Waleed Anwar S/O Muhammad Ishaq	37301-9958144-7	Yousaf Street, Madni Mohallah Jhelum	0321-1554945		556
62	Jahanzaib Anwar S/O Muhammad Anwar Aasi	37301-1928827-7	Street No. 5, Bilal Town Jhelum	0332-5030302		553
63	Abid Hussain Shah S/O Mehmood Ali Shah	37301-2356268-7	Kashmir Colony, Jhelum	0336-0593710		680
64	Gul Faraz S/O Gul Nawaz	37301-8333650-7	Raji Pur, Tahlianwala, Jhelum	0304-0134696		547
65	Muhammad Shakir Alam S/O M. Noor Alam	37301-7553012-9	House No. 12, Bilal Town Jhelum	0344-5511023		761
66	Haroon Shahzad S/O Rasab Khan	37301-7274601-9	Village Jandwal, Chak Daulat, Jhelum	0300-5431734		762
67	Muhammad Ali S/O Muhammad Sharif	37301-0500552-1	Street No. 5, Mohallah Chishtian, Jhelum	0304-5979170		733
68	Kamran Shahzad S/O Amanat Ali	37301-7170057-7	Kharala, Jhelum	0334-5280623		730
69	Aadab Hussain S/O Abdul Rehman	37301-0952083-1	Mohallah Mujahid Abad, Jhelum	0345-5052004		672
70	Rashid Mehmood S/O Allah Ditta	37301-2357167-3	Haji Street, M.M No. 3, H. # B- 11-36-41, JLM	0310-5413000		767
71	Sultan Mehmood S/O	37301-2292306-9	Shamas Pur ,Jhelum	0332-5825975		673

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
	Ghulam Meeran					
72	Naveed Ahmed S/O Zafar Iqbal	37301-4873334-1	Dhoke Mehar Adalat Khan, Rohtas Road JM	0321-5422119		681
73	Ghulam Shabbir Shah S/O Ameer Shah	37301-5546785-3	Street No. 04, Mohallah Chishtian, Jhelum	0300-5456488		677
74	Tariq Mehmood S/O Ghulam Meeran	37301-2292307-2	Shamas Pur, Jhelum	0302-8787360		592
75	Sajjad Hussain S/O Muhammad Sadiq	37301-2205841-5	Bagh Wala Kunwan, Kala Gujran, Jhelum	0313-5415499		685
76	Shoaib Sarwar S/O Shabbir Hussain	37301-2268473-1	H. # B-1-179, Mohallah Mujahid Abad, JLM	0333-5847513		637
77	Tahir Abbas S/O Muhammad Latif	37301-6815039-3	Mohallah Mujahid Abad, Jhelum	0309-5160255		704
78	Asad Mehmood S/O Arshad Ali	37301-3166634-1	Mohallah Mujahid Abad, Jhelum	0323-5782428		705
79	Yasir Sohail S/O Muhammad Sadiq	37301-2199409-3	Machine Mohallah No. 03, Jhelum	0342-5286621		739
80	M. Naveed Ashraf S/O M. Ashraf	37301-3635994-3	H. #B-II-33-S-12, Machine Moh. # 03, JLM	0314-9518016		765
81	M. Haasin Muzaffar S/O Muzaffar Iqbal Qureshi	37301-8158236-1	House No. B.I.178/A, Mujahid Abad, Jhelum	0336-1564229		766
82	Usama Babar S/O Babar Hussain	37304-0348904-3	Mujahid Abad, Jhelum	0316-5526724		738
83	Tanveer Tahir Kiyani S/O Faiz Rasool Shakoori	37301-0572468-1	Malot, Jhelum	0300-5442580		713
84	Ch. Ahtazaz Ahmed S/O Muhammad Fiaz	37301-1892868-1	Chak Miyana, Jhelum	0324-5724963		684
85	Naeem Sajjad S/O Muhammad Sajjad	37301-2344615-1	Bakra Mandi Jada, Jhelum	0300-9527021		639
86	Mansoor Qalib S/O Raja M. Tasleem Bhatti	37301-8023195-1	Kotla Aima, P.O Kala Gujran Jhelum	0334-5583050		715
87	Khurram Ali S/O Shabbir Hussain	37301-7514981-7	H. No. A-12, Kashmir Colony Jhelum	0308-8789276		769
88	Ghaffar Ahmed S/O Muhammad Anwar	37301-9971966-3	House No. B-1, Kashmir Colony, Jhelum	0307-8622361		656
89	Mohsin Ali Mughal S/O Muhammad Ashraf Mughal	37301-2798148-5	Kashmir Colony, Rathian, House No. A-24, Jhelum	0306-0887490		661
90	Umair Rizwan S/O Kausar Rasheed	37301-7041817-5	Qaid Abad, Kala Gujran Jhelum	0335-2124295		566
91	Sheeraz Ahmed S/O Muhammad Maskeen	37301-2363365-9	Kashmir Colony, Jhelum	0332-5454661		364
92	Tahir Mehmood S/O Muhammad Maskeen	37301-7043211-5	Bhatial, P.O Kashmir Colony, Jhelum	0302-5800527		701
93	Zeeshan Rauf S/O Abdul Rauf	37301-4878002-3	Bhatial, P.O Kashmir Colony, Jhelum	0334-5452800		417
94	Muhammad Adnan S/O Muhammad Haneef	37301-6129500-5	H. No. A-35, Kashmir Colony Jhelum	0317-3960505		579

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
95	Syed Nouman Ahmed S/O Shamas Ur Rehman Shah	37301-2950271-3	House No. A-28, Kashmir Colony, Jhelum	0335-5058813		567
96	Saadat Shafiq S/O Abdul Shafiq	37301-2996322-3	Kotla Aima, P.O Kala Gujran Jhelum	0333-5957864		209
97	Mazhar Nazir S/O Nazir Ahmed	37301-2258387-1	H. # 3456/3, Fine Flour Mill G.T Road JLM	0333-5563613		450
98	Hurair Saddique S/O Iftikhar Waseem	37301-044889-3	Kotla Aima, P.O Kala Gujran Jhelum	0334-5583050		580
99	Muhammad Tanveer S/O Fazal Karim	37301-9373004-1	Muslim Town, Jhelum	0346-4695526		213
100	Rizwan Afzal Hashmi S/O M. Afzal Hashmi	37301-8223741-3	Chak Khasa, Tahlianwala Jhelum	0300-9510032		582

RESCUE 1122 VOLUNTEERS

1	Asfandiyar Asad	37301-1526977-3	Jhelum City	0334-0112393		20 Minutes
2	Jabbar Ahmed	37301-4936241-9	Jhelum City	0334-8885816		20 Minutes
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	Muhammad Ahsan	37301-6793578-5	Muhammdi Chowk Jhelum	0336-5694093		18 Minutes
11	Fahad Ahmed Malik	37301-3427848-9	Muhammdi Chowk Jhelum	0348-5121642		18 Minutes
12	M Adnan Farooq	37301-9578000-3	Muhammdi Chowk Jhelum	0335-0544644		18 Minutes
13	Sheikh Zain	37301-9368797-3	Muhammdi Chowk Jhelum	0336-5858058		18 Minutes
14	Saqib Ali	37301-8877997-1	Muhammdi Chowk Jhelum	0335-5086416		18 Minutes
15	Mazhar Hussain	37301-8848710-7	Muhammdi Chowk Jhelum	0308-5533680		18 Minutes
16	Mobeen Siddique	37301-7552917-7	Muhammdi Chowk Jhelum	0323-8906605		18 Minutes
17	Mohsin Mehmood	37301-9398351-7	Dhoke Juma Jhelum	0330-3851122		18 Minutes
18	Shahzaib Mughal	37301-5877914-3	Dhoke Juma Jhelum	0310-5473103		18 Minutes
19	Abdul Muqet Hassan Usman	37301-8577905-3	Dhoke Juma Jhelum	0323-5843437		18 Minutes
20	Rehan Afzaal	37301-2713204-1	Dhoke Juma Jhelum	0303-5788897		18 Minutes
21	Jahanzeb Ur Rehman	37301-354176-5	Dhoke Juma Jhelum	0305-5772926		18 Minutes

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
22	Muzamil Afzaal	37301-3007464-1	Dhoke Juma Jhelum	0302-9870463		18 Minutes
23	Muhammad Ashar Afzal	37301-7017592-1	Dhoke Juma Jhelum	0310-5090341		18 Minutes
24	Sheikh M Fakher Rasheed	37301-5290409-5	Kala Gujran Jhelum	0311-500323		05 Minutes
25	Muhammad Akaash	37301-1080051-5	Kala Gujran Jhelum	0336-5769574		05 Minutes
26	Sohaib Shamsher	37301-5850582-9	Kala Gujran Jhelum	0336-6377478		05 Minutes
27	M Khayam Kayani	37303-1285038-9	Kala Gujran Jhelum	0323-9344130		05 Minutes
28	Awais Ahmed	37302-1149202-7	Kala Gujran Jhelum	0300-4534167		05 Minutes
29	Muhammad Huzaifa	42000-2442812-9	Kala Gujran Jhelum	0342-0881044		05 Minutes
30	Muhammad Mustafa	37301-1405823-1	Kala Gujran Jhelum	0331-5931082		05 Minutes
31	M Adnan Waseem	37301-0826188-7	Kala Gujran Jhelum	0318-1554534		05 Minutes
32	Muhammad Junaid Anjum	37301-5639838-7	Maira Jhelum	0300-5414536		20 Minutes
33	Amir Sohail	37301-5609639-1	Maira Jhelum	0344-9037561		20 Minutes
34	Raheel Arslan	37301-1603525-9	Maira Jhelum	0312-9560161		20 Minutes
35	Ameer Hamza Ali	37301-2245715-5	Maira Jhelum	0315-6851318		20 Minutes
36	Muhammad Murslin	37301-9529869-3	Maira Jhelum	0333-5868309		20 Minutes
37	M Shafiq Mohi Uddin	37301-6439898-3	Maira Jhelum	0316-5577519		20 Minutes
38	Shamraiz Ahmed	37301-1428162-5	Maira Jhelum	0311-5691375		20 Minutes
39	Chan Zeb Ahmed	37301-9451187-7	Maira Jhelum	0313-0586291		20 Minutes
40	Arslan Ali	37301-6929296-3	Maira Jhelum	0305-6000786		20 Minutes
41	Dawood Ur Rehman Zafar	37301-2720302-1	Maira Jhelum	0344-6572212		20 Minutes
42	Muhammad Salman Shehzad	37301-6775259-3	Maira Jhelum	0318-5994650		20 Minutes
43	Rukhsar Baig	37301-0809959-1	Village Chotala Jhelum	0341-5030409		30 Minutes
44	Muhammad Ramzan	37301-5222047-3	Village Chotala Jhelum	0342-0329037		30 Minutes
45	Muhammad Shahban	37301-8706204-5	Village Chotala Jhelum	0349-4616410		30 Minutes
46	Mirza Ismail	37301-6797722-1	Village Chotala Jhelum	0318-1563512		30 Minutes
47	Haris Ali	37301-2852377-3	Village Chotala Jhelum	0313-4455675		30 Minutes
48	Muhammad Arslan	37301-2460514-7	Village Chotala Jhelum	0349-5150302		30 Minutes
49	M Adnan Baig	37301-6630066-5	Village Chotala Jhelum	0344-0533322		30 Minutes
50	Waris Ali	37301-5046983-9	Village Chotala Jhelum	0345-1945986		30 Minutes
51	Shabbir Ahmed	37301-4349011-1	Village Chotala	0346-5144038		30 Minutes

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
			Jhelum			
52	Muhammad Sami	37301-0164198-1	Village Chotala Jhelum	0318-1563692		30 Minutes
53	Mirza Bilal		Village Chotala Jhelum	0349-9681759		30 Minutes
54	Mohsan Raza	37301-9530272-7	Village Chotala Jhelum	0349-5740349		30 Minutes
55	Abdul Rehman	37301-4019065-1	Village Chotala Jhelum	0344-8533540		30 Minutes
56	Shahzaib Mirza	37301-2606500-5	Village Chotala Jhelum	0346-5840125		30 Minutes
57	Sajid Mehmood	37301-2685187-3	Village Chotala Jhelum	0347-5562807		30 Minutes
58	Muhammad Qaseem Ud Din	37301-5308572-3	Village Chotala Jhelum	0345-5142259		30 Minutes
59	Hafiz Hassan Raza	37301-25001943	Village Chotala Jhelum	0317-5770460		30 Minutes
60	Tayyab	61101-2425820-1	Village Chotala Jhelum	0340-5968658		30 Minutes
61	Raja Kamran	37301-4286494-3	Village Chotala Jhelum	0348-0555789		30 Minutes
62	Touseef Haider	37301-4913728-9	Village Chotala Jhelum	0349-9398085		30 Minutes
63	Syed Zain		Village Chotala Jhelum	0340-5783990		30 Minutes
64	Syed Shahpal	37301-5875467-3	Village Chotala Jhelum	0345-8618302		30 Minutes
65	Sami Ullah	37301-2475536-3	Village Chotala Jhelum	0320-1159312		30 Minutes
66	Atta Ul Mustafa	37301-87436019	Village Chotala Jhelum	0345-1591325		30 Minutes
67	M.Abdullah Zarar Sheikh	37301-6685348-5	Kala Gujran	0312-9510189		10 Minutes
68	Sheroz Hassan	37301-8070120-3	Kala Gujran	0312-5442272		10 Minutes
69	Sheikh Virad Ali	37301-3289492-9	Kala Gujran	0333-9498552		10 Minutes
70	Sheikh Abdul Wadood Ali Saeed	37301-3385347-9	Kala Gujran	0342-1512902		10 Minutes
71	Danyal Ahmed	37301-1594029-1		0302-5215309		10 Minutes
72	Furqan Anjum	37301-2361378-5	Islamia High School Mohalla, Jhelum	0324-7581122	A+	20 Minutes
73	Faizan Ahmed Raza	37302-9047525-7	Haran pur PD Khan	0346-5833363	O+	20 Minutes
74	M Furqan Butt	37301-6582738-1	Kala Gujran Jhelum	0313-5663143	O+	20 Minutes
75	Sajjad Farooq	37301-9560397-9	Sagri Dina Jhelum	0334-8632712	O+	20 Minutes
76	Muhammad Saeed	37301-0268814-9	Talianwala	0300-9524765	B+	20 Minutes

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
	Arif		Jhelum			
77	Faheem Khudadad	37301-7843884-5	Kolpur Tahliawala Jhelum	0344-5674010	A+	20 Minutes
78	Ahmad Nabeel Ahsan	37301-9812367-1	Jada Jhelum	0331-9290712	O+	20 Minutes
79	Umer Shahzad	37301-3446486-3	Karim Pura Jhelum	0308-5812626	O+	20 Minutes
80	Qamar Shahzad	37301-9595950-7	Karim Pura Jhelum	0315-5730086	O+	20 Minutes
81	Muhammad Bilal	37301-2149905-1	Muhammadi Chowk Jhelum	0342-5991475	O+	20 Minutes
82	Naeem Akhtar	37301-2248790-9	Chak Doulat Jhelum	0300-5438253	A+	20 Minutes
83	M Saqlain Khan	37301-2224788-7	Fazil Pur Chak Dolat Jhelum	0300-5426746	O+	20 Minutes
84	Imran Shahzad	37301-2584412-3	Janwal Chak Dolat Jhelum	0346-5882313	A+	20 Minutes
85	Ghulam Murtaza	37301-9966936-5	Masoom Pur Chak Dolat Jhelum	0344-1545425	B+	20 Minutes
86	M Hamza Meer	37301-4643787-7	Chak Dolat Jhelum	0331-5848163	O+	20 Minutes
87	Muhammad Ramzan	37301-9833946-1	Chak Dolat Jhelum	0303-5645102	B+	20 Minutes
88	Danial Hussain	37301-9735520-5	Fazil Pur Chak Dolat Jhelum	0332-1504485	O-	20 Minutes
89	Danyal Ahmad	37301-6124540-5	Masoom Pur Chak Doulat Jhelum	0331-5663164	O+	20 Minutes
90	M Adil	37301-0473957-7	Masoom Pur Chak Doulat Jhelum	0324-7558587	B+	25 Minutes
91	Ikhtlaq Hussain	37301-4349962-1	Pasrali, PO Jakkara, Jhelum	0306-5810914	O+	20 Minutes
92	Muhammad Gulzar	37301-2312436-5	Chak Dolat Jhelum	0331-5580588	O+	20 Minutes
93	Muhammad Nisar	37301-9777997-5	Chak Dolat Jhelum	0331-8726348	AB-	20 Minutes
94	Abdul Jabbar	37301-2312501-5	Chak Dolat Jhelum	0300-5439108	A-	20 Minutes
95	Muhammad Sulman Mir	37301-9001492-3	Chak Dolat Jhelum	0333-8899872	A+	20 Minutes
96	Khayyam Ahmed	37301-5473336-5	Chak Dolat Jhelum	0332-5728528	B+	20 Minutes
97	Muhammad Imran	37301-8420294-3	Chak Dolat Jhelum	0334-8600913	A+	20 Minutes
98	Muhammad Irfan Mir	37301-5276732-5	Chak Dolat Jhelum	0331-5800923	O+	20 Minutes
99	Yaseen Ali	34202-5310619-3	Chak Dolat Jhelum	0336-8532499	A+	20 Minutes
100	M. Raza Mughal	37301-1616779-5	Jhelum City	0337-6115227		20 Minutes
101	Rehan Saleem	34203-4261988-9	Jhelum City	0332-5403334		20 Minutes

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
102	M Ehsan Khan	43504-0376345-1	Jhelum City	0345-5965787		20 Minutes
103	Yasir Ali Malik	37301-2287409-5	Jhelum City	0334-5959004		20 Minutes
104	Ehsaan Raza	37301-1015987-9	Jhelum City	0332-5729096		20 Minutes
105	M Asim Khan	37301-6294248-3	Jhelum City	0332-5868589		20 Minutes
106	Zubair Sultan	37301-4351509-7	Jhelum City	0340-8106049		20 Minutes
107	Usman Javed	37301-6125345-7	Jhelum City	0332-8882444		20 Minutes
108	Ch Shujat Ahmed	37301-6641538-1	Jhelum City	0342-0783799		20 Minutes
109	Sharyar Haider	81302-0555392-5	Jhelum City	0315-5611485		20 Minutes
110	Arshad Malik	37301-1990057-9	Jhelum City	0312-1888486		20 Minutes
111	Waleed Amir	37301-5365517-7	Jhelum City	0344-3602577		20 Minutes
112	Syed Abbas Jamil	37301-8503572-7	Jhelum City	0321-9834399		20 Minutes
113	M. Rohaib	37301-8777806-3	Jhelum City	0332-5898738		20 Minutes
114	Raja Muhammad Imran	37301-8757822-7	Jhelum City	0315-5757427		20 Minutes
115	Raja Jahanzeb Nazir	37301-0756360-3	Jhelum City	0333-1560005		20 Minutes
116	Syed Asad Mehmood	37301-3120817-1	Jhelum City	0336-4242000		20 Minutes
117	Waleed Ur Rehman	37301-3039799-1	Jhelum City	0312-5974066		20 Minutes
118	Sheryar Ali	37301-1632522-3	Jhelum City	0315-5975099		20 Minutes
119	Umer Raza	37301-4448233-3	Jhelum City	0336-5146672		20 Minutes
120	Malik Zeeshan Awan	37301-3024829-7	Jhelum City	0317-5425030		20 Minutes
121	Ahmed Zulfiqar Malik	37301-9506256-9	Jhelum City	0311-5436244		20 Minutes
122	Muhammad Bilal Dar	37301-4885786-5	Jhelum City	0305-5170406		20 Minutes
123	Humza Dar	37301-2472504-3	Jhelum City	0312-7611786		20 Minutes
124	Sheraz-Sultan	37301-3970907-3	Jhelum City	0334-8620560		20 Minutes
125	Yasir Rafique	42401-1544890-7	Jhelum City	0347-8310099		20 Minutes
126	M Waheed Iqbal	37301-5220587-9	Jhelum City	0300-5454851		20 Minutes
127	Asad Ali	37301-3726014-5	Jhelum City	0332-1926892		20 Minutes
128	M Asim	37301-9769933-9	Jhelum City	0301-2425026		20 Minutes
129	Taseer Ali	37301-8378225-5	Jhelum City	0300-5419300		20 Minutes
130	Khizar Hayat	37301-3801919-5	Jhelum City	0311-9522023		20 Minutes
131	Waleed Ur Rehman	37301-3039799-1	Jhelum City	0312-5974066		20 Minutes
132	Muhammad Abdullah	37301-6479551-7	Jhelum City	0317-8093258		20 Minutes
133	Saad Mirza	42401-4732652-3	Jhelum City	0332-9785228		20 Minutes
134	Inam Ul Hassan	37301-6885149-5	Jhelum City	0335-9515045		20 Minutes
135	Muhammad Mateen Naeem	37301-2937554-3	Jhelum City	0341-6543509		20 Minutes
136	Malik Faizan	37301-8563174-1	Jhelum City	0332-5585857		20 Minutes
137	Waseem Abbas	37301-5597574-9	Jhelum City	0313-5600687		20 Minutes
138	Ibtehaj Hassan	34203-9202862-9	Jhelum City	0340-7015692 0301-2705861		20 Minutes
139	Hamza Khan	37301-7336698-5	Jhelum City	0348-1898861		20 Minutes
140	Waheed Sarwar	37301-0520746-1	Jhelum City	0309-5242271		20 Minutes
141	Farhan	37301-4869733-7	Jhelum City	0332-5827894		20 Minutes
142	Abdur Rehman	37301-0384770-5	Jhelum City	0306-5850694		20 Minutes
143	Name M Mateen Asad	37301-5615241-3	Jhelum City	0304-9460549		20 Minutes

S#	Volunteer Name/ Father Name	CNIC	Address	Contact Number and Email	Blood Group	Volunteer No.
144	Ch Sohail Ahmed	37301-2364036-5	Jhelum City	0300-9514320		20 Minutes
145	Sarfraz Khan	37301-7699565-5	Jhelum City	0346-8514288		20 Minutes
146	Touseef Haider		Jhelum City	0347-9666875		20 Minutes
147	Ayaturrehman Khan Barki	42301-5558563-9	Jhelum City	0324-7588898		20 Minutes
148	Ch. Ehtisham Tariq	37301-5868237-1	Jhelum City	0313-5516279		20 Minutes
149	Musa Nouman	37301-1234916-5	Jhelum City	0314-7564224		20 Minutes
150	Zaryab Ali	37301-4174239-5	Jhelum City	0314-5428431		20 Minutes
151	Sahil Mehmood	37301-0646031-1	Jhelum City	0314-9357300		20 Minutes
152	Tayyab Khalid	81202-0917461-3	Jhelum City	0303-5251113		20 Minutes
153	Masroor Ul Haq	37301-7200423-3	Jhelum City	0336-5463515		20 Minutes
154	Umer Iqbal	37301-8729047-3	Jhelum City	0303-5603920		20 Minutes
155	Sheraz Sultan	37301 3970907 3	Jhelum City	0334-8620560		20 Minutes
156	Naveed Ahmed	37301-7179219-1	Jhelum City	0307-5242218		20 Minutes
157	Fida Hussain	373012-306693-7	Jhelum City	0333-5834420		20 Minutes
158	Usman Amin	37301 6029186 5	Jhelum City	0324-5021302		20 Minutes
159	Hamza Naeem	37301-5623605-9	Jhelum City	0346-5295266		20 Minutes
160	M. Afzal	42000-5882629-1	Jhelum City	0303-8078329		20 Minutes
161	Muhammad Umer	42000-5732380-3	Jhelum City	0332-5212746		20 Minutes
162	Yousaf Raza	37301-2216991-1	Jhelum City	0335-8284120		20 Minutes
163	Adnan Shahzad	37301-4276655-9	Jhelum City	0317-5382417		20 Minutes
164	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
MNA-NA-60	Bilal Azhar Kayani	Railways Minsiter of State	0300- 5556627	MPA-PP-24	Riffat Zaidi		0344-1919019 0306-5410242
				MPA-PP-25	Yasir Mehmood Qureshi		0300-5441745
MNA-NA-61	Ch. Farrukh Altaf		0300- 8510510	MPA-PP-26	Mushtaq Ahmed		0321-4001007

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 Reporsing Performa

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Focal Person: _____

Date: _____

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

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

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

ANNEX XIII: FLOOD BUNDS

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

	Total in feet.		1,35,000
	Total in miles		25.57
LBDC(IP)			
1	Balloki Head works Division	Left Marginal Bund	15,000
2	do	Right Marginal Bund	15,000
	Total in Feet		30,000
	Total in miles		6
LAHORE ZONE			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	10,000
2	do	Rayya flood Bund	5,000
3	Pasrur Link Division Sialkot	City Flood Protection Bund along Aik Nullah	7,340
4	do	Hajoipur Flood Protection Bund along Aik Nullah	86,00
5	do	Left Flood Protection Bund over deg Nullah from defence embankment to Zafarwala Kingra road	10,000
6	Marala Division UCC	Left Marginal Bund	50,000
7	do	Right Marginal Bund	10,000
8	Lahore Drainage Div.	Shahdara Flood Protection Bund	15,000
	Total in Feet		115,940
	Total in miles		22
	Grand total in miles		114

INFORMATION REGARDING FLOOD BUND CATEGORY B

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

		Total in miles		54.92
MULTAN ZONE				
1	Trimmu Division		-do-	80,000
2	Suleimanki Division		-do-	50,000
3	Shujabad Canal Division		-do-	60,000
		Total in feet.		190,000
		Total in miles		35.98
D.G.KHAN ZONE				
1	Taunsa Barrage		-do-	80,000
2	Kot Adu Canal Division		-do-	90,000
3	Muzaffargarh Canal Division		-do-	180,000
4	River Diversion Division		-do-	80,000
5	Jampur Construction Division		-do-	140,000
6	D.G.Khan Construction Division		-do-	60,000
		Total in feet.		630,000
		Total in miles		119.32
LBDC (IP)				
1	Balloki Headworks Division		-do-	40,000
2	Okara Division		-do-	40,000
3	Sahiwal Division		-do-	20,000
		Total in feet.		100,000
		Total in miles		18.94
LAHORE ZONE				
1	Flood Bund Division Narowal		-do-	40,000
2	Pasrur Link Division Sialkot		-do-	10,000
3	Chakbandi Division		-do-	20,000
4	Marala Division UCC		-do-	50,000
5	Lahore Drainage Division		-do-	80,000
6	Kasur Division		-do-	80,000
7	Gujranwala UCC		-do-	100,000
8	Rachna Drainage		-do-	42,000
		Total in feet.		422,000
		Total in miles		79.92
PMO BARRAGES				
1	Jinnah Barrage		-do-	20,000
		Total in feet.		20,000
		Total in miles		3.79
		Grand Total (in miles)		350.76

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.