

DISTRICT DISASTER MANAGEMENT PLAN 2025



Division: Faisalabad

District: Jhang



IDP Camp in 2009



Earthquake



Floods in 2014



Drought

Prepared by: Deputy Commissioner Office Jhang.

Approved by: Deputy Commissioner Jhang.

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6.0 Lac out of 27.43 Lac at risk of floods in 2025
22%
of total population
Risk: High
0 out of 27.43 Lac people at risk of Hill Torrent in 2025
0%
of total population
Risk: Low
0 out of 27.43 Lac people at risk of earthquake in 2025
0%
of total population
Risk: Low
2.74 Lac out of 27.43 Lac people at risk of epidemic in 2025
10%
of total population
Risk: Low

Executive Summary

District Jhang is a land of two Rivers Chenab and Jhelum. Floods normally hit the district during the monsoon season starting from early July to late August while overflow of river Chenab and Jhelum in August & September is main cause of flood in Jhang.

The plan integrates the standard operating procedures (SOPs) of various provincial government departments and proposes a consistent approach for reporting damages and need assessment for relief.

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 Jhang and outlines the key institutional and programing components relative to effective risk management and emergency response and recovery.

AIM AND OBJECTIVES

The plan is aimed to manage emergencies by putting in place requisite mitigatory measures using available resources 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 (DDMA) and other district stakeholders to set priorities and provide directions for disaster management
- To define the roles of various stakeholders in disaster management during all the three phases i.e. pre, during and post disaster activities.
- To raise awareness amongst 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 of emergency response through the clarification of goals, strategies, roles and responsibilities
- To strengthen response coordination between government departments and humanitarian organizations (UN agencies, I/NGOs)

District Profile

Jhang in local dialect means grove of trees and was invaded by Alexander the Great on his way back to Macedonia in the 4th century BC. The city of Jhang was founded by Mal Khan Sial in 1462 AD. Sial tribe ruled this city for 360 years. Last ruler of the Tribe was Ahmad Khan (1812 to 1822) before the Sikhs took over. From the Sikhs, Jhang was taken over by the British. The District was established in 1849. Till 1904, the district remained divided into six tehsils, Jhang, Chiniot, Shorkot, Lyallpur (Faisalabad), Samundari and Toba Tek Singh. Major tribes of the district are Sials, Syeds, Awans, Sheikhs, Sipras, Balouch, Nauls, Bhattis.

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1.	Population	2743416
2.	No. of Tehsils	4
3.	No. of UCs	91
4.	No. of Revenue Estates	724
5.	Population Density (people per km ²)	481 / km ²
6.	Family Size	4
7.	Pop Growth Rate	2.16%
8.	PCI	\$ 1386 Rs. 145530/12127
9.	District GDP/Annual Income	Rs.145530
10.	Poverty Rate	22%
11.	Patient/Doctor Ratio	2550/Doctor
12.	AMR	8 Deaths/ 1000 Population
13.	IMR	85 Deaths/1000 Live birth
14.	MMR	225 Deaths/100,000 birth.
15.	Literacy Rate	58%
16.	Global Acute Malnutrition (GAM) rate	15.9%
17.	Severe Acute Malnutrition (SAM) rate	4.1%
18.	Percentage of population having access to clean drinking water	20%
19.	Annual Crime	1159

Source/Note: Punjab Development Statistics, 2021

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
2743416	750604	701321	670956	601392	19143

Source/Note: Bureau of Statistics, 2017

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks& Morter)
190053	56732	133321

Source/Note: Punjab Development Statistics, 2021

Area (in acres)

Total Area of District in Acres	Area under cultivation in Hectares
15,22,705	4843450

Source/Note: Agriculture Department, Jhang

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
65%	62%	32%	66%	53%	64%	43%

Source/Note: DO Literacy

Government Schools**Private Schools**

		Schools		Enrollment			Schools	Enrollment
Total/ Overall		1492	389730		Total/ Overall		1012	186643
Boys	Primary	378	76986		Boys	Primary	63	
	Middle	78	13077			Middle	240	
	High	114	69147			High	111	
Girls	Primary	741	115484		Girls	Primary	50	
	Middle	76	39369			Middle	318	
	High	86	50755			High	154	
Co-Education	Primary	-	-		Co-Education	Primary		
	Middle	-	-			Middle		
	High	-	-			High		

Special Education		9	848				
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Source/Note: CEO Education

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	18 Public 25 Private	2	2	14	2	45
No of Students	23065 Public 5420 Private	457	180	2387	825	10504

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	96	05	-	-	101
Annual OPDs	664286	1341052	-	-	1985338
No of beds	358	750	-	-	1108
Doctors Available	193	192	-	-	385
Paramedical staff	429	84	-	-	513

Livestock: Small Animals (goats, sheep etc.): 657935

Big Animals (cows, buffalos, camel etc.): 1162014

Poultry : 624451

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
45%	25%	4%	2%	5%	3%	2%	4%	2%	3%	5%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	No. of Revenue Estates affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	1973	275477	73	24	9836	4360		

2	1992	707432	19	22	7728	3525		
3	2010	113060	4	323	695	432		
4	2013	60996	3	6	1433	574		
5	2014	460726	11	411	21450	12800		

Disaster History – Other disasters (Since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
-	-	-	-	-	N/A

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Toba Tek Singh, Faisalabad, Chiniot, Sargodha, Khushab, Bhakhar, Layyah, Muzaffargarh, Khanewal. Flood, Epidemics, drought
Weather/Climate pattern	Like max , min , temperature, annual precipitation, storms, heat waves, snow fall etc. The climate here is mild, generally warm temperate. The rainfall in Jhang is significant, with precipitation even during the driest month. The average annual temperature is 21.8 °C in Jhang. At an average temperature of 32.5 °C, June is the hottest month of the year. At 10.2 °C on average, January is the coldest month of the year. The rainfall here averages 679 mm. Precipitation is the lowest in November, with an average of 9 mm. In August, the precipitation reaches its peak, with an average of 166 mm. Between the driest and wettest months, the difference in

	precipitation is 157 mm. The variation in annual temperature is around 22.3 °C. Annual precipitation/Rain Fall: 385 mm
Major Rivers,Head Works and Drains	River Chenab (147Km) River Jhelum (63Km), Trimmu Headworks, Khairwala Drain,
Major Canals	Haveli Mainline, Trimmu-Sidhani Link Canal, Rangpur canal and 43 branches
Vulnerable Motorways/Highways	Jhang Sargodha Highway Near Riwarz Bridge, Jhang Bhakar Highway near 18 Haazari, Jhang Multan Highway near Mahram Sial
Railways	Revaz Bridge at Chenab River near Chund Bharwana
Geological features	Like fault line, mountainous areas etc. Jhang is the oldest District in the sub-continent, has been established around 2000 BC, When it was known as "Jhang Sial". Jhang is bordered by Sargodha District to the North, Faisalabad District & Toba Tek Singh District to the east, Khanewal District & Muzaffargrah District to the south, Layyah District & Bhakkar District to the North West. The fauna and flora of the area include: Jand trees (Prosopis juliflora), Karir (Capparis phylicifolia), Beri (Zizyphus jujuba), Van (Salvadora aegyptiaca), Kikar (Acacia arabica), Shisham (Dalbergia spp.) and Aak (Calotropis procera) are found within the area.

Major Embankments/Bunds

Sr.No	Name of Embankment	Length (km)	GPS Location of Critical/Vulnerable Points	Remarks
1	Jhang Flood Protection Bund	21.64	X: 31.372652, Y: 72.357144	There are no vulnerable reaches. structure is in safe condition.
2	Thatta Mahla Flood Bund	15.55	X:31.414410, Y: 72.432822	Thatta Mahla Flood Bund is in satisfactory condition
3	Loop Band	3.51	X:31.397743, Y:72.401791	loop Bund is a 2nd defence line and is in safe condition.
4	Left Marginal Bund	14.8	X : 31.146503 Y : 72.152272	satisfactory condition
5	Right Marginal Bund	17.3	X : 31.146703 Y : 72.14155	satisfactory condition
6	Hasso Wali Bund	23.17	X: 30.990711 Y: 72.172447	satisfactory condition
7	Rajbana Flood Bund	7.3	X: 30.8646 Y: 72.029006	satisfactory condition
8	Colony Ring Bund	1.93	X: 31.81798 Y: 72.93721	satisfactory condition
9	Lakhi Flood Bund	14.4	X: 30.791417 Y: 71.973236	satisfactory condition
10	Dadal Flood Bund	16	X: 30.812911 Y: 71.835231	satisfactory condition
11	Massan Flood Bund	21.5	X: 301.422078 Y: 72.2633167	satisfactory condition

Dams (including small dams)

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

Breaching Section

Name of Bund/ Embankment /Infrastrucure	Name of Breaching Section	Location with GPS Coordinates	Remarks
Chenab/ Railway Line	Revaz Bridge	X: 31.404482 Y: 72.297813	- Breaching Section is under the Control of Railway Department - However following mouza are likely to be affected in the case of breach - Chak Sheikhana - Chaotala - Koriyan Wala - Chak kouriana Shumali - Kul Kurai - Nandkana
Jhelum/ RMB	Head Trimmu	X: 31.145152 Y: 72.145577	- Breaching Section is under the Control of Chief Engineer irrigation Department - However following mouza are likely to be affected in the case of breach 18 Hazari - Sidha - Umrana Janubi - Kot Noulun - Bela Chaountra - Chauken Janpur - Wasu Astana - Jamali Khurd - Dall - Dara Sakhira - Kaserwala - Wasawa - Jamali Kalan - Uch Gul Imam - Jaboana - Basti Sultan Lashari - Rehar - Kot Bahadar Janubi - Malkana - Lashari - Rodu Sultan - Kalyar Wala - Bahr Sharqi - Bahr Gharbi - Jannan

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Gird Station Toba Road Jhang-I	132-KV	X:31.25246021 Y: 72.32353985	Grid Station Havili Bhahdar Shah	132-KV	X:31.0733227 Y: 72.18614537
Grid Station Chiniot Morr Jhang-II	132-KV	X:31.29153388 Y: 72.36638546	Grid Station Sargodha Road Morr Mandi	132-KV	X:31.5619149 Y: 72.2611758
Grid Station Chiniot Road Khewa	132-KV	X:31.4572337 Y: 72.4735227	Grid Station Shorkot City	132-KV	X:30.8318336 Y: 72.0764437
Grid Station Shorkot Cantt, Chuttiana	132-KV	X: 30.7910088 Y: 72.2393399	Grid Station 18-Hazari	132-KV	X: 31.1957696 Y: 72.04803944
Haveli Bahadur Shah Power Plant	Power House	X: 31.1261417 Y: 72.1931833	Grid Station Mehmood Kot	132-KV	X: 30.9142694 Y: 71.8932194
Haveli Bahadur Shah Power Plant	Power House	X: 31.1155583 Y: 72.1895722	Grid Station Ahmed Pur Sial	132-KV	X: 30.7027861 Y: 71.7476306

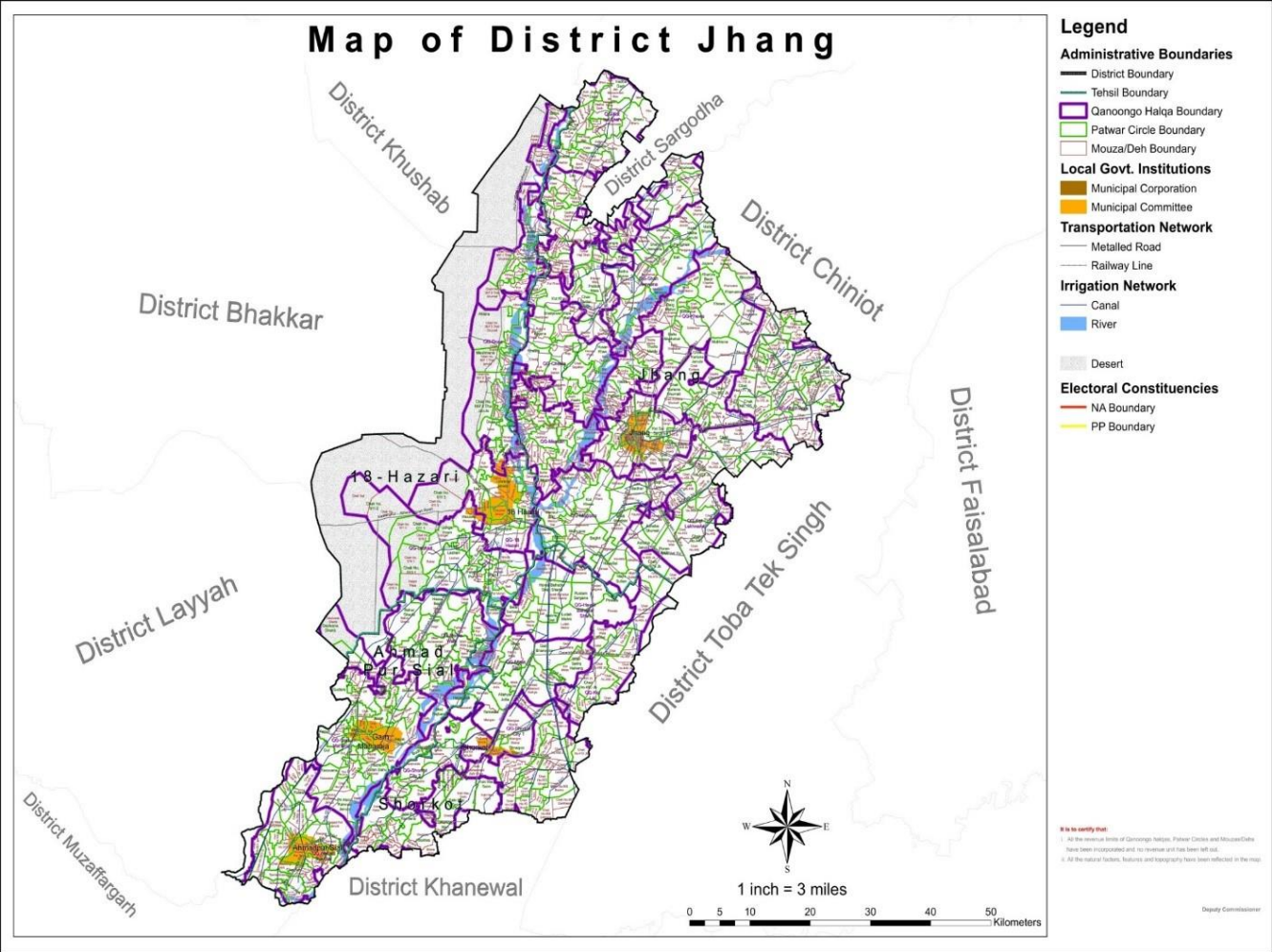
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Air Base	Raffqui air base shorkot	X: 30.755296 Y:72.280260	-	-	-
Land strips	Not defidend	-	-	-	-

Govt. storage facilities/warehouses in the district

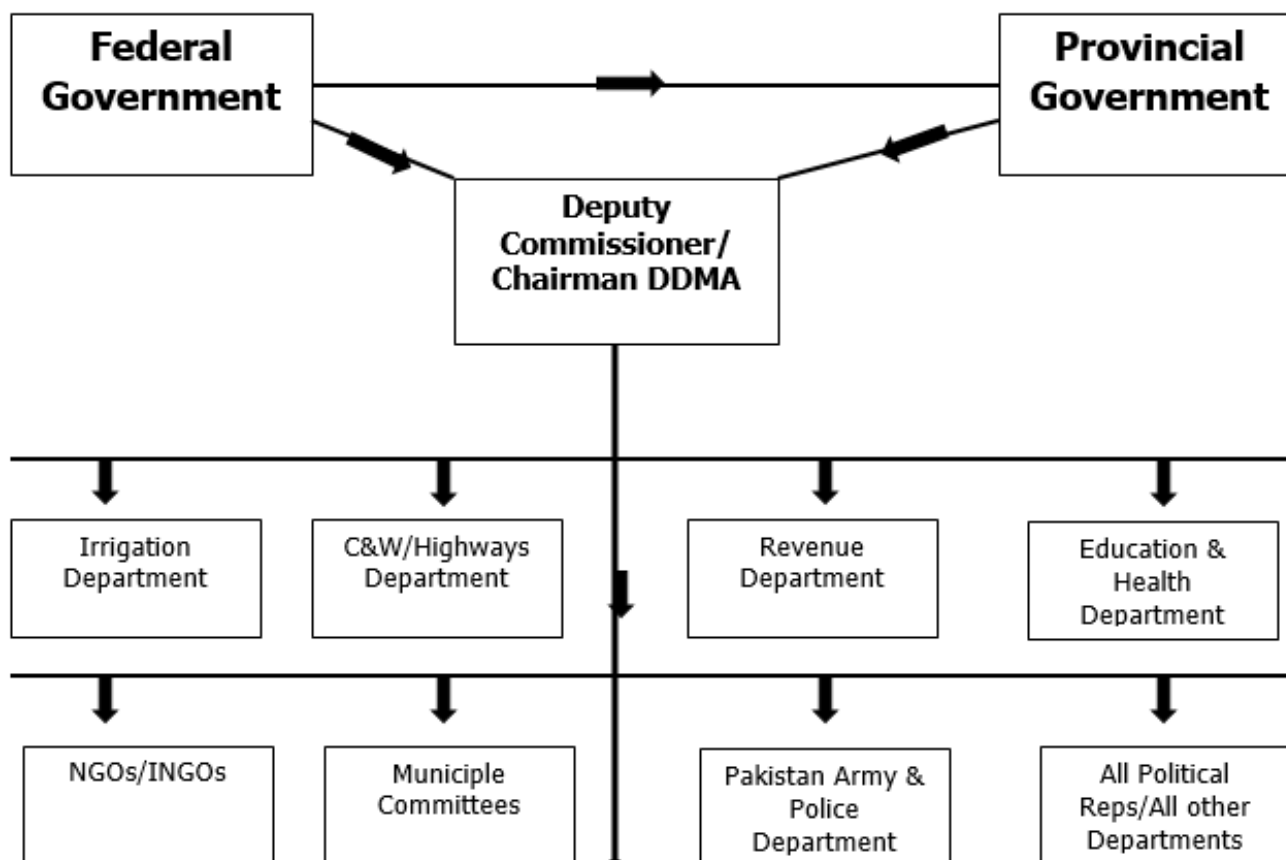
Facility Type	Capacity (M.Tons)	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Jhang Set-I House type Godowns	12000	X:31.152514 Y: 72.192599	Chak Kuriana Bini Shell Godowns	57000	X: 31.192668 Y: 72.214921
Jhang Set-II House type Godowns	10000	X:31.152030 Y: 70.193225	Mochiwala House type Godowns	5000	X:31.180922 Y: 72.334528
Jhang Set-III House type Godowns	9000	X:31.152520 Y: 72.213285	Chak No. 170 House type Godowns	6000	X:31.221072 Y: 72.324163
Shorkot City House type Godowns	3000	X:30.493334 Y: 72.043231	Rustam Sargana House type Godowns	1600	X:31.023675 Y: 72.150349
Shorkot Cantt. House type Godowns	7000	X:30.471103 Y: 72.142246	Ahmad Pur Sial House type Godowns	10500	X:30.413289 Y: 71.442233
Garh More House type Godowns	21000	X:30.512465 Y: 71.505617	Waryan House type Godowns	1600	X:30.573364 Y: 72.152194
Shah Jewana House type Godowns	9500	X:31.4529917 Y: 72.26030	-	-	-

District baseline/reference map



Source: DC office Jhang

COORDINATION MECHANISM



Powers and functions of District Disaster Management Authority under NDMA 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:

- prepare a disaster management plan.
- coordinate and monitor the implementation of the National Policy, Provincial Policy, National plan, Provincial Plan and District Plan;
- 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;
- ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and the Provincial Authority are followed by all departments of the Government at the district level and the local authorities in the district;

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

District Plan:

- a) Every District of the Province will maintain a plan for disaster management.
- b) The District Plan shall be prepared by the District Authority in accordance with 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 will 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 all the departments.
- 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 vulnerable areas.
- In case of evacuation the district administration should be very clear about the places where the relief camps or shelters will be established. Teams should be formulated which will look after these camps and will be in-charge for provision of tents, food, water and maintaining general law and order. Provision of cooked food is also to be ensured.
- Proper ware houses and stores should be made available for storing of aid and donated items that may be received from authorities such as PDMA, WFP etc. A committee should be constituted to look after the record of all the items in the store.
- Proper crop surveys or girdawaris should be conducted through the revenue officials so that crop damage assessment can be made after disaster or flood affects the district. These surveys will also help in determining the identity of the true owners as well.
- Post damage assessment should be carried out by joint teams constituted of patwaris, teachers, and agriculture field assistants. Technology should be involved and android sets should be used to gather accurate data.
- Round the clock active control rooms should be set up and the numbers be circulated amongst all the concerned departments. The control rooms should be equipped with wireless, telephones and computers. All information 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 SystemNetwork Administrator should be declared as the focal person for collection of relevant information such as number of casualties, damages to infrastructure, injured, perished livestock etc. for onward submission to PDMA etc.
- Mock exercises should be carried out along with all concerned departments specially 1122, Police, civil defence and Pakistan army regarding the action plan during any emergency or flood. This will give a fair idea about the preparedness of the district.
- Availability of vehicles should be ensured for use during any emergency especially off road vehicles like jeeps.
- Suitable locations should be identified for accommodating armed forces like the Pakistan army. Normally schools, colleges or stadiums are allocated for the armed forces

Checklist for Revenue Department:

- ☐ Survey of entire District (Preparation of Village level information by Patwari)
- ☐ Identification of Low lying, medium and high vulnerable areas
- ☐ 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

Municipal Committees

- Municipal Committees play an important role for providing municipal services in the district, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Municipal Committees will provide assistance to the DDMA/District Administration for setting up and management of relief camps/ operations.
- Municipal Committees are responsible for provision of sanitation facilities in their respective municipalities besides disposal of waste or rain water/sewerage.

- Municipal Committees are equipped with trucks, water bowzers, tractors, dewatering sets, bulldozers, loaders and dump trucks. All of these equipment are utilized to restore proper sanitary facilities, ensure the delivery of clean water and remove debris or excess water.
- Sanitary workers of Municipal Committees can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- Municipal Committees should keep de-watering sets functional to remove excess water. All Municipal Committees are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The Municipal Committees maintain a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Municipal Committees should 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 Municipal Committees will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the, manpower of the Municipal Committees 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)

- District Disaster Management Authorities 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.
- DDMA's 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 Deputy Commissioner. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122 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 .
- 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. Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue Department. Patwaris will inform the Numbardars, Headmasters of the Schools, Imam Masjids, Chokidars, village influential to make announcements etc.
- The tactical operations would be headed by the Additional Deputy Commissioner (Revenue). The ADC (R) would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- District Disaster Management Authority comprising the following has been notified.
 - i. Deputy Commissioner, (Chairman)
 - ii. District Police Officer, Jhang
 - iii. Additional Deputy Commissioner (General), Jhang
 - iv. Additional Deputy Commissioner (Revenue), Jhang
 - v. Additional Deputy Commissioner (F & P)
 - vi. MNA Jhang
 - vii. MPA Jhang
 - viii. Chief Executive Officer District Education Authority, Jhang
 - ix. Chief Executive Officer District Health Authority Jhang
 - x. Executive Engineer Highways, Jhang
 - xi. Executive Engineer Buildings, Jhang
 - xii. XEN Irrigation Department Jhang Division, LCC (W) ,Jhang
 - xiii. XEN Irrigation Department Trimmu Barrage Division Trimmu
 - xiv. XEN Irrigation Department Sargodha Division, L JC ,Sargodha
 - xv. XEN Operations, FESCO, WAPDA Jhang
 - xvi. Deputy Director Agriculture, Jhang
 - xvii. Deputy Director Livestock, Jhang
 - xviii. Deputy Director Social Welfare, Jhang
 - xix. District Officer Special Branch, Jhang
 - xx. Assistant Commissioner, Jhang
 - xxi. Assistant Commissioner, Shorkot

- xxii. Assistant Commissioner, AP. Sial
- xxiii. Assistant Commissioner, 18-Hazari
- xxiv. District Emergency Officer Rescue 1122 ,Jhang
- xxv. M.S DHQ Hospital, Jhang
- xxvi. District Disaster Management Co-coordinator, Jhang
- xxvii. Secretary DRTA, Jhang
- xxviii. Chief Officer Zila Council ,Jhang
- xxix. Chief Officer Municipal Committee Jhang
- xxx. Chief Officer Municipal Committee Shorkot
- xxxi. Chief Officer Municipal Committee AP Sial
- xxxii. Chief Officer Municipal Committee 18-Hazari
- xxxiii. President Global welfare society Shahjewna.
- xxxiv. General Secretary Idara Taraqi-e-Khawateen, Jhang

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

Establishment of District Emergency Operation Center (DEOC).

District Emergency Operation Center (DEOC) had been established which is fully functional and working round the clock with telephone number 047-9330005, 047-9330057. Human Resource/staff from the various government departments has been deployed in the DEOC. The DEOC will also perform as District Flood Control Room. The DEOC will maintain updated information regarding the threat of disaster and post disaster statistics. The center will maintain a regular communication with the Flood Forecasting Division, PDMA, the dam authorities upstream in case of a flood.

- District administration / DDMA will 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.
- Deputy Director (Agriculture) and Additional Director Livestock would arrange fodder and feed supplement for livestock and animals displaced.
- District Regional Transport Authorities (DRTA) in all districts of Punjab are managed by Secretaries who would coordinate with local transporters to arrange for 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 to the needy district to assist the evacuation of people.

District Emergency Operation Center/District Control Room

(functions and responsibilities)

A District Emergency Operation Center has been established and working round the clock having following functions and responsibilities:

- The DEOC is the main information center in terms of disaster management or any other emergency.
- To monitor, coordinate and implement the actions for disaster management.
- Periodic check to ensure that all warnings, communication systems and instruments are in working condition.
- To receive reports on the preparedness of the district level departments and the resources at their disposal to arrange and meet their requirements.
- To maintain an inventory of all resources.
- To give warning signals as per the need of the hour.
- To collect and transmit information concerning natural calamities and relief at all levels.

- To make arrangements for dissemination of information to all vulnerable places.
- To brief the media of the situations and furnish the day-to-day reports to the State Disaster Management Committee during disasters.
- To report the ground situation and the action taken by the District Administration accordingly.

Checklist for DEOC:

- ☐ Dedicated Staff
- ☐ Duty roaster of the staff
- ☐ Dedicated telephone line
- ☐ IP Phone and Camera
- ☐ Dedicated Fax
- ☐ Wireless
- ☐ Printer and Photocopier
- ☐ Internet and Email or any other source of communication
- ☐ Power backup(Solar System and Generator)

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 paramedical staff.

Checklist for Relief Camp Incharge:

- ☐ List of staff displayed with name and department teams will work in shifts
- ☐ Presence of representatives of all service providers i.e. Health, livestock, Rescue 1122, Civil Defence etc.
- ☐ No movement without the permission of Centre Incharge
- ☐ Each shift in-charge to contact District Control Room on arrival and then on departure

- ☐ In-charge will keep close liaison with SHO of the respective area
- ☐ No of affectees in camp (sick, aged and children) shall be communicated daily
- ☐ Availability of at least one emergency vehicle at center be ensured
- ☐ Keep record of private boat owners and their contacts details
- ☐ List of Doctors and private hospital in the vicinity
- ☐ List and contact of philanthropists in the vicinity
- ☐ Keeping record of donations coming directly to Centre and report the same to Tehsil and District Incharge.
- ☐ Centre Incharge shall ensure vaccination of animals and humans against Communicable diseases
- ☐ List of missing persons must be displayed at all Relief Camps

Role of Health Department

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

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

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

- To provide first aid to the injured people and arrange evacuation of patients for further assistance.
- Medical camps and mobile health teams should be arranged for prevention and control of communicable diseases, immunization and provision of essential drugs.
- Health department would make a roster of all medical officers and paramedics that would be deployed to these camps and teams.
- Drugs and other medical equipment should be available at all these camps and with mobile teams. The medicine should be for relevant flood related issues, particularly Anti-snake venom, Anti-rabies.
- Availability of adequate medicines for treatment of common issues, particularly for snake and dog bite cases and general vaccines at each relief camp.
- The shelters or relief camps established by the district administration should have medical centers with ambulances and special facilities for women and children.

- An emergency control room will be established in the office of Directorate General Health Services and a representative of this emergency control room would be designated to PDMA's control room.
- A list of essential medicines would be prepared by the Health department and it would ensure that medicines and other resources are present in sufficient stocks in hospitals in disaster hit areas.
- Medical colleges may be involved to create Emergency Response teams
- Health department would also coordinate with international organizations such as WHO and UNICEF.
- Extensive disease surveillances in the disaster hit areas should be carried out warnings if needed be issued through the Disease Early Warning System.
- Medical teams and paramedic staff should be mobilized and deployed for rapid assessment and quick response in the affected areas.
- A contingency plan will be prepared and submitted regarding preparedness for any disaster or calamity.
- The National Disaster Management Authority has designated WHO as the key organization that will fill the gaps in the supply of medicines, rapid diagnostic kits, and vaccinations etc.
- The department would employ female health workers in emergency areas specially, for spreading awareness regarding health risks in a disaster and for any vaccination or immunization programme that may be needed during any emergency.
- A Health and Nutrition Cluster for overall management and oversight of Health department's disaster response would be formed at the Directorate General Health office.
- In case the medicine stocks or even the infrastructure is damaged due to floods, the department would draw up a plan for early recovery of health infrastructure and service delivery.

Civil-Military Coordination Mechanism

The Paksitan 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. The Deputy Commissioner 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 for requesting the support of the Army is submission of request by the Deputy Commissioner through Home Department, and the Ministry of Defense.

Volunteer Network

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

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 life saving 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 Defence 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

Potential hazards of the district

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

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

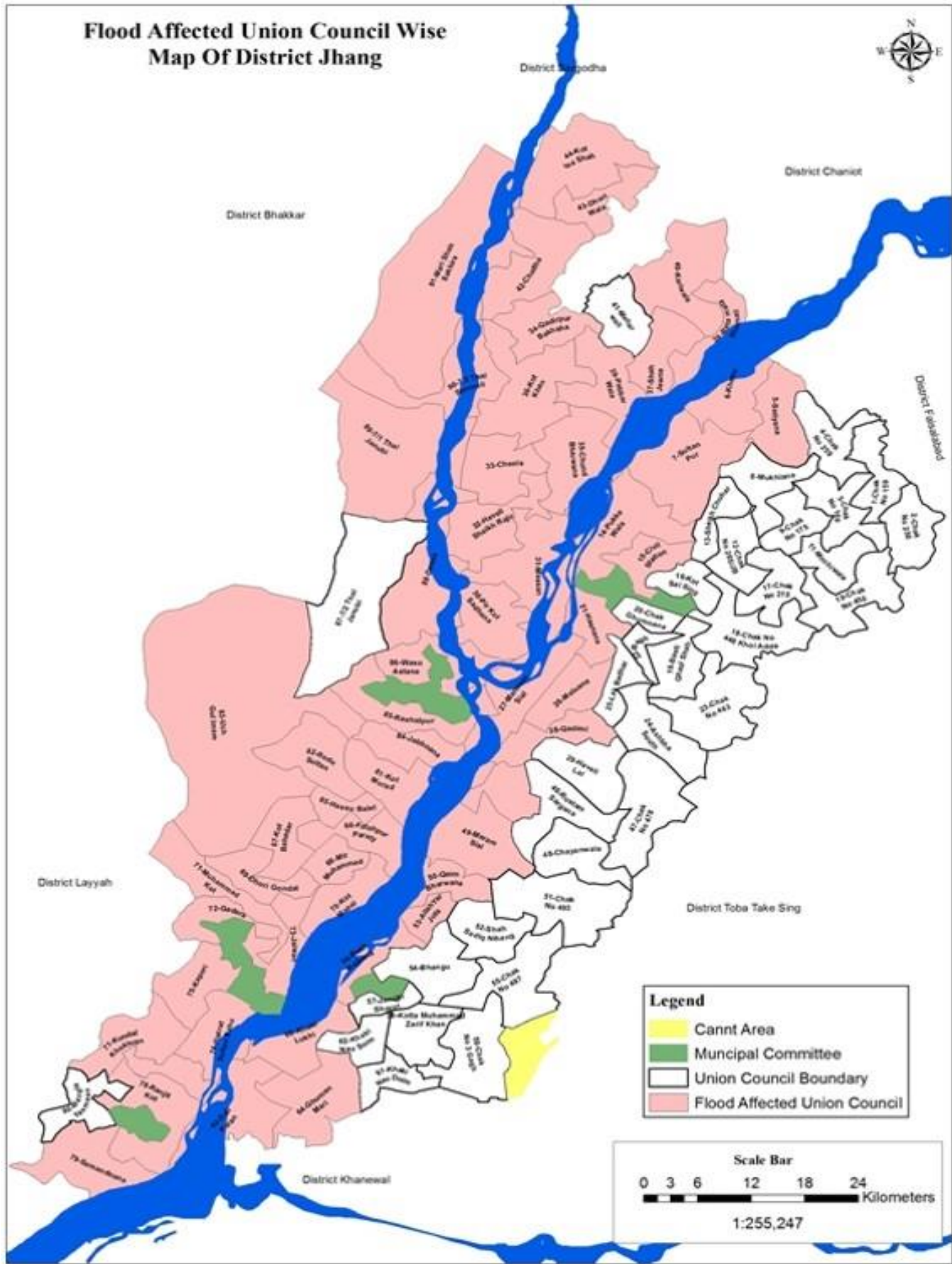
High : 15-25

Hazards

- Disasters occurred over the past two to three decades and their impact on communities and development sectors.
- Only flood disaster has occurred during the past two to three decades, due to these disasters crops, houses, roads, building were damaged.
- Provide a brief description of the hazards being planned for (medium and high risks), including potential location that could be affected;
- Briefly outline the triggers

Floods, Urban Flooding, Traffic Accidents, Fire Incidents and Locust attack. Illegal encroachment and construction of the buildings inside bund area.

District detail map with vulnerable Union Councils of District Jhang



Source: Survey of Pakistan

Response & Operational Capacity

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

- Pre-Flood warning through field staff and loud speakers to the general public in the Kacha areas.
- Establishment of Flood relief centers in the District.
- Availability of ample human and veterinary medicines at all relevant govt. facilities.
- Rescue operations during flood.
- Provision of food and non food items in the flood affected areas.
- The District Authorities will be in the state of readiness during the monsoon season to give assistance to the disaster victims with the available means and resources.
- On receipt of first hand information, the Assistant Commissioners will arrange for necessary proclamation for moving to the safer places already notified to the public.
- In the cases when forcible evacuation is required, help of police shall be requested to the deptt.
- On occurrence of the disaster if the normal/available resources to deal with the situation are considered inadequate, a SOS shall be sent to the army deputed in the area for help. All agencies whether official or private shall be put into operation for protecting the human life and property.

1. Strategic Resources (Rescue 1122)

S. No.	Name of Item	Available	Functional	Non-Functional	Extra Demand
1.	Pneumatic Boats 13Ft	1	1	0	3
2.	Fiber Glass Boat 10Ft	1	1	0	0
3.	Fiber Glass Boat 19Ft	36	36	0	0
4.	Fiber Glass Boat 23Ft	1	1	0	0
5.	Fiber Glass Boat 24Ft	2	2	0	0
6.	Aluminium Boats 19Ft	1	1	0	0
7.	OBM 15 HP	1	1	0	0
8.	OBM 25 HP	4	4	0	0
9.	OBM 30 HP	2	2	0	0
10.	OBM 40 HP	43	43	0	0
11.	OBM 48 HP	2	2	0	0
12.	OBM 60 HP	0	0	0	0
13.	Fire Vehicles	0	0	0	0
14.	Life Jackets	578	578	0	300
15.	Life Ring	216	216	0	0
16.	Scuba Sets	5	5	0	3
17.	Generator with light stand set	1	1	0	0
18.	Generator 3.8 KV	0	0	0	0
19.	Generator Sets 5KV	1	1	0	0
20.	Mini Trucks	1	1	0	0
21.	Ambulances	20	20	0	0
22.	Water Tanks/Bouzers	1	1	0	0
23.	Any Other	0	0	0	0

2. Strategic Resources (Municipal Committee Jhang, District Jhang)

S. No.	Name of Item	Available	Functional	Non-Functional	Extra Demand
1	De-Watering Sets 1 cusec	29	17	12	
2	De-Watering Sets 2 cusec	0	0	0	
3	Generators 200 KV	5	4	1	
4	Fog Machines	0	0	0	
5	Trolleys	11	11	0	
6	Tractors	11	11	0	
7	Water Tanks/Bouzers	2	2	0	
8	Loader Tractors	6	6	0	
9	Front Blade Tractors	2	1	1	
10	Sucker Machine	3	2	1	
11	Jetting Machine	3	3	0	

3. Strategic Resources (Municipal Committee Shorkot, District Jhang)

Sr. No.	Items	Available	Functional	Non-Functional	Extra Demand
1.	Spray Machine	17	17	0	0
2.	Dewatering Sets	4	4	0	3
3.	Fog Machine	4	4	0	0
4.	Water Tanks/Bouzers	2	1	1	0
5.	Tractors	5	5	0	0
6.	Armed Role Truck	2	1	1	0
7.	Trollies	3	3	0	0
8.	Jetting Machine	1	1	0	
9.	Sucker and jetting Machine	1	1	0	0
10.	Generator	3	3	0	1 (50KVA)
11.	Disposal Stations	3	3	--	1
12.	Loader Rickshaw	6	6	--	--

4.StrategicResources (Municipal Committee 18 Hazari, District Jhang)

Sr.No	Items	Available	Functional	Non-Functional	Extra-Demands
1.	Dewatering Sets	4	4	0	
2.	Water Tanks/ Bowsers	1	1	0	
3.	Tractor	1	1	0	
4.	Trolleys	1	1	0	
5.	Sucker Machine	1	1	0	

5.StrategicResources (Municipal Committee Ahmad Pur Sial District Jhang)

Sr.No	Items	Avail able	Functional	Non-Functional	Extra Demand
1	De-Watering sets 1- Cusec	5	3	2	5
3	Generators	2	2	0	1
4	Fog Machines	2	0	2	-
5	Spray Pumps	5	5	0	-
6	Tractors	1	1	0	-
7	Trollies	1	1	0	-
8	Water Tanks/Bouzers	1	1	0	-
9	Sucker& Jetting Machine	1	1	0	-
10	Front Blade Tractor	1	1	0	

6.Strategic Resources (Municipal Committee Garh Maharaja District Jhang)

Sr.No	Items	Avail able	Functional	Non-Functional	Extra Demand
1	De-Watering sets 1 Cusec	3	3	0	3
2	Disposal stations	2	2	0	0
3	Generators 3 KV	2	2	0	1
4	Fog Machines	0	0	0	1
5	Spray Pumps	3	3	0	2

6	Tractors	2	2	0	0
7	Trollyes	2	2	0	1
9	Water Tanks/Bouzers	1	1	0	0
10	Jetting Machine	0	0	0	1
11	Front Blade Tractor	0	0	0	0

7. Strategic Resources (District Council Jhang)

Sr. No.	Items	Available	Functional	Non-Functional	Extra Demand
1.	Generators	1	1	0	0
2.	Dewatering Sets 1cuces	3	3	0	0
3.	Tractors	1	1	0	0
4.	Trollies	1	1	0	0
5.	Water Tanks/Bouzers	1	1	0	0

8. Strategic Resources(Health)

S. No.	Items	Available	Functional	Non-Functional	Extra Demand
1	Fixed Teams	54	0	0	0
2	Preventive Mobile Teams/Medical Mobile Team	34/06	0	0	0
3	Anti Rabic Vaccines	08	0	0	0
4	Anti Snake venom	10	0	0	0
5	Alpha Cyperethrine 10%SC	234 Lit	0	0	0
6	Lambda Cyhaltorhin 2.5 EC	30 Lit	0	0	0
7	Temiphos 1%	40L/198kg Lit/kg	0	0	0
8	Measles Vaccine	2800 Doses	0	0	0
9	Aqua Tab	6000	0	0	0
10	Bet Net	00	0	0	0
11	Foggers	08	0	0	0

12	Spray Pumps	46	0	0	0
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9. Strategic Resources (Social Welfare)

S. No.	Items	Available	Functional	Non-Functional	Extra Demand
1	Mosquito Net	3200	3200	0	0
2	Plastic Mat	3255	3255	0	0
3	Plastic Cane	981	981	0	0

10. Strategic Resources (Agriculture Department)

S. No.	Items	Available	Functional	Non-Functional	Extra Demand
1	Spray Machinies (Shoulder Mounted)	41	41	0	0
2	Spray Machinies (Tractor Mounted)	02	02	0	0
3	Spray Machinies (Vehicle Mounted Plungeries)	05	05	0	0
4	Power Wheel Barrow	02	02	0	0
5	Boom Sprayer	01	01	0	0

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.)
- Despite repeated warning of flood, people of the Katcha /likely to be affected areas don't shift themselves to the safer areas/flood relief camps until the crucial situation occurs.
- Building of houses and cultivation of crops in the river bed.
- Scatterd population / deras / residences out of main villages.

- Road cuts due to flood.

Mitigation Strategy

Actions taken to prevent or reduce the risk to life, property, social and economic activities, and natural resources from natural hazards is important for preparation and mitigation to any disaster. Awareness, education, preparedness, prediction and warning systems can reduce the disruptive impacts of a natural disasters on communities. Mitigation measures such as adoption of zoning, land-use practices and building codes are needed, however, to prevent or reduce damages following preventive steps are needed.

- Planning to cope with any disaster
- Identification of areas likely to be affected by any disaster
- Constitution of teams and micro planning.
- Establishment of Static Posts/Emergency First Aid Centers
- Flood Emergency Cell be established in District and respective Tehsil.
- Inspection of Flood Protection Bund
- Mock exercise to examine the preparedness for flood is carried out

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

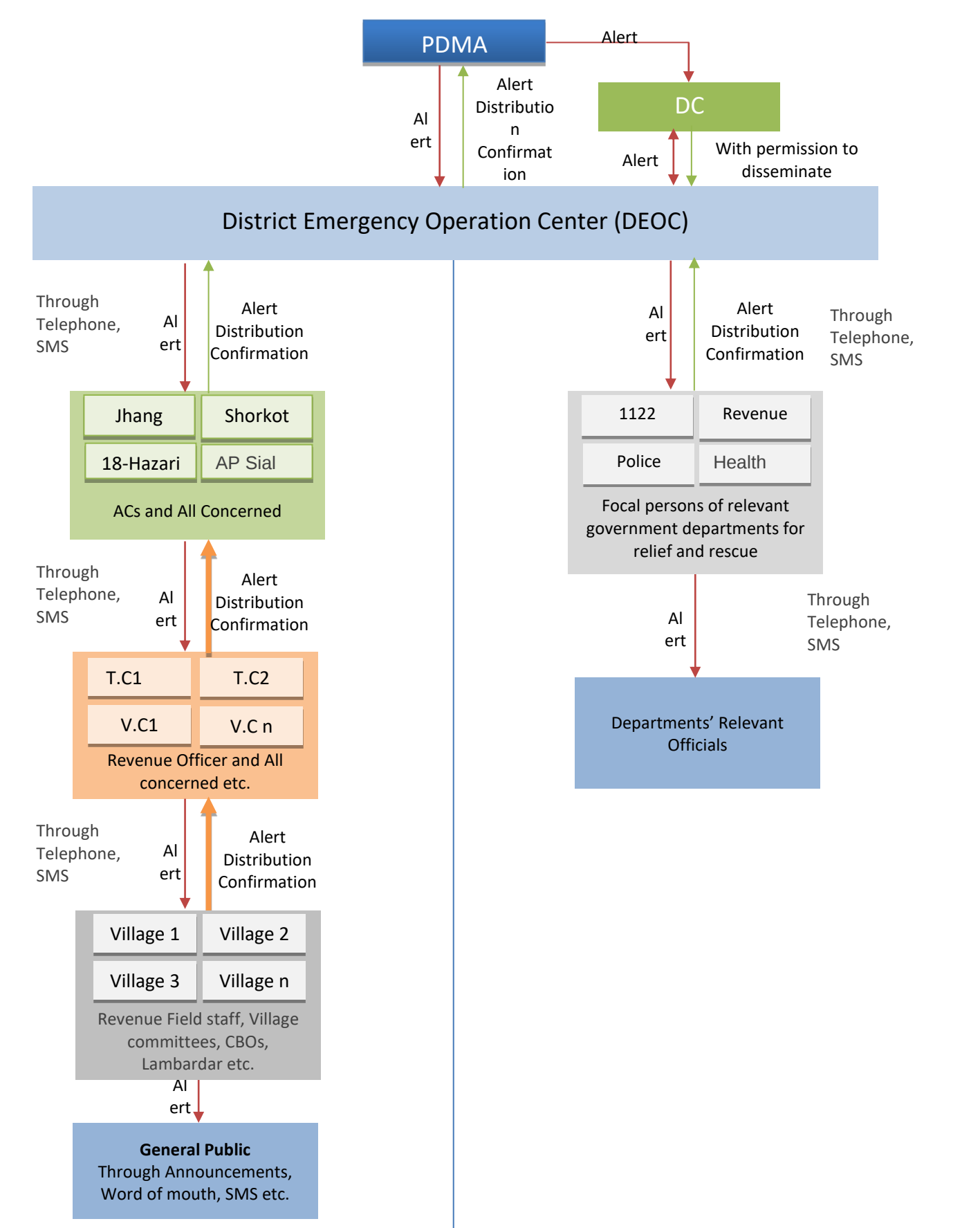
Hazards	Mitigate Actions	Responsible Department
Floods	Proper maintenance and repair work of Bunds and safety spurs. Awareness to the people of Kacha areas for proper shifting towards the safe areas. Public awareness through SMS, Wide Publicity, Radio, TV, Print Media and Social Media etc.	All ACs, All Revenue Officers, Information Department, Irrigation Department

Urban Flooding	Proper maintenance,de-silting and repair work of drains of urban areas of district must be ensured.	All ACs ,CO MCs
Tornado	Public awareness in this regard must be ensured. Training/awareness sessions must be conducted at education institutes and amongst the community through field formations of the various government line departments	All ACs, All Govt.deptts.
Earthquake	Public awareness in this regard must be ensured. Training/awareness sessions must be conducted at education institutes and amongst the community through field formations of the various government line departments	All ACs, All Govt.deptts.
Drought	Public awareness in this regard must be ensured. Training/awareness sessions must be conducted at education institutes and amongst the community through field formations of the various government line departmentsspecially irrigatin and agriculture department.	All ACs, Agri Deptt.
Epidemic	Public awareness in this regard must be ensured. Awareness sessions must be conducted at education institutes and amongst the community through field formations of the various government line departments. Necessary medical treatment will be given by the health department to the affectees through the health facilities and special Mobile Health Teams. Separate wards will also be established in DHQ and THQs in this regard.	All ACs, CEO (Health)
Fire Incidents	Rescue 1122 and DEOC will be kept on high alert, if any incident is reported, Fire vehicle will be mobilized immediately. Fire fighting, fire controlling and reporting will be ensured.	Rescue 1122

Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	Rescue 1122 and DEOC will be kept on high alert, if any incident is reported, relevant machinay/HR will be mobilized immediately. In time action and response from relevant departments and necessary assistance should be given.	All ACs, Building Deptt. Rescue 1122 Airforce
Environmental Hazards (industrial accidents, severe pollution etc.)	Rescue 1122 and DEOC will be kept on high alert, if any incident is reported, relevant machinay/HR will be mobilized immediately. In time action and response from relevant departments and necessary assistance will be ensured.	All ACs, Rescue 1122,Environment deptt,Industries deptt. Airforce

EARLY WARNING

Information Flow Diagram



Early warning

- People in riverine/likely to be affected area will be kept informed through SMS alert regarding flood situation.
- Announcements will be made through the loudspeakers of the mosques by revenue field staff/Dehi Markaz Maal.
- Police wireless network will also be used in this regard.
- Telephone Numbers of the District Emergency Operation Center (DEOC), official staff dealing with flood fighting will be widely circulated.
- Local Government, agriculture, Police field staff, Numderdars, Imam Masjid will also be deployed for quick communications/dissemination of information in inaccessible areas.

Alertness Levels

Following four levels alertness have been established:

Level-D (Disaster threat is perceptive)	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.
Level-C (Alert) (Warning issued but likelihood of occurrence is less than 100%)	Activities to be undertaken in level D + DDMA shall issue "alert" to all concerned for the vulnerable area. DDMA and LDMA (tehsil level) control rooms be made operational 24/7 and ensure availability of all required (available and additional) resources for on call mobilization and monitor the situation 6 hourly. Only DC and DPO shall grant leave according to the situation.

Level-B (High Alert) (Disaster threat is imminent)	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, Municipal Committee etc) facilities shall work 24/7 with full staff strength. DDMA shall monitor the situation on hourly basis.
Level-A (Red Alert) (Disaster is materialized)	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.

Rescue Strategy

- What actions will be taken as an immediate response to the situation? E.g. Evacuation, medical assistance
- Who does what and when? Responsible departments/agencies
- How and when Pakistan Army will be requested to support the rescue activities
- Camp sites identified for displaced persons.

The required machinery, equipment, along with HR shall be immediately mobilized to the affected area. All allied departments will jointly handle the situation. If the high magnitude of the disaster occurred resources from the neighboring districts would be called to tackle the situation. In the high magnitude of disaster, Deputy Commissioner will also request to army for support in Rescue and relief operations. Roles and responsibilities of the departments have been clearly mentioned in the plan.

Evacuation:

Emergency evacuation is the rapid shifting of people from a threatened environment to a safer place. Punjab Emergency Services and Civil Defense, Department 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 Construction & 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.

Flow of Rivers and the discharges at upstream headworks will be closely monitored. On issuance of any threat alert regarding flood by the PDMA in the District or when the DDMA considers that evacuation is necessary at certain Flood Level, concerned departments will be directed to make the necessary announcements regarding flood situation, need and importance of the in time evacuation and will initiate the evacuation starting from, low laying areas. Revenue Department will facilitate and make arrangements for evacuation through Tractor Trolleys from inside of the Flood

Protection Bunds / Low Laying Areas and shall drop the affectees at evacuation points established at dry areas, from here buses / Hiaces will be utilized for transportation of the affectees to the Flood Relief Camps established at safer places.

At increased level of Flood Rescue 1122 will facilitate / execute evacuation through Boats from inner side of the Flood Protection Bunds / across the Rivers and shall drop the affectees at the evacuation point / dry area under direction of the DDMA. From here buses / Hiaces will be utilized for transportation of the affectees to the Flood Relief Camps established at safer places. At Flood Relief Camps affectees will be registered by the team of camp Incharge.

Evacuation of the livestock will also be made through the Tractor Trolleys by the livestock Department. The evacuated animals will be kept near the Flood Relief Camps, fodder / wanda will be provided by the livestock Department. Police Department will ensure security of flood relief camps and Livestock camps established near the flood relief camps.

Police Department will ensure deployment of their Human resource with Boats and Vehicles used for evacuation of the affectees.

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.

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 .

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

Pakistan Army:

The Paksitan Army's resources are employed for immediate search, rescue and evacuation. The Army is called in the 'Aid of Civil Power' only when a disaster overwhelms the resources at the disposal of

the district Government. Search, rescue and evacuation are the primary responsibilities of the 'Disaster Response Force' so if the resources of this force fall short, the Army is immediately called in.

Humanitarian Assistance

- Damage and losses data will be collected through the revenue, irrigation and agricultural filed staff, will be consolidated at the District Level and shared with the PDMA Punjab.
- DDMA/District Administration will determine the need and priorities regarding food, shelter, health keeping in view magnitude of the Disaster.
- Awareness, Provision of safer places/relief camps, rescue & relief activities/provision of food, shelter and security for human being and livestock will be ensued by the concerned department.
- Pre-Qualification of venders will be done at district level the maintain standardization of food hamper, cooked food/catering, tents and Tent Service, Sound System, Lighting, Generators
- International standard for camp Management will be ensure.
- District can handle caseload regarding high flood as district has already faced very high flood in 2014.
- To deal with the protection, gender and age, environment and other relevant cross-cutting issues will be responsibility of Social Welfare Department, the department will notify committees and fix responsibilities of the same in this regard.
- Volunteers of Rural and Urban areas will participate in rescue activities during flood.
- Local I/NGO's will participate in rescue and relief operation with their own resources as per direction of the District Administration.
- All other departments will ensure execution of necessary measures for the safety/assistance of the vulnerable community in the area.
- List of Volunteers have been prepared by DO (Civil Defence) and DEO (Rescue-1122) and all Assistant Commissioners in the district should provide volunteers according to need.

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, Jhang City	400	X: 31.304736 Y: 7. 322698	10	GHS Jabboana	450	X: 31.0860694 Y: 72.0721208333
2	GHS Chund Bharwana	350	X: 31.41878 Y: 72.26701	11	GHSS H.B Shah	400	X: 31.0694139 Y: 72.181588334
3	GHS Shah Jewena City	400	X: 31.56116 Y: 72.28672	12	GHS, BadhRajb anaJanubi	400	X: 30.8391917 Y: 72.017847222
4	GHS pir Abdul Rehman	400	X: 30.7423306 Y: 71.8091388889	13	GHS Dabkalan	400	X: 30.7185222 Y: 71.896808333
5	GHS Kot Shakir	400	X: 31.48196 Y: 72.08656	14	GHSS Garh Maha Raja	500	X: 30.83208 Y: 71.90433
6	GES BalloShahable	200	X: 31.40051 Y: 72.3771	15	GHS Kot Bahadur Shah	400	X: 30.98015 Y: 71.95003
7	GHS Khanoana	400	X: 31.471388 Y: 72.4964619	16	GHS Ahmad Pur Sial	400	X: 30.812473, Y: 71.863546
8	GHS Shair Chakar, Haveli Sheikh Raju	500	X: 31.39293 Y: 72.1995	17	Govt. Boys College 18-Hazari	800	X: 31.182449
9	GHS Moonda, near mormandi	400	X: 31.56283 Y: 72.24629	18	GHS Kot Khaira	500	X: 31.18423 Y: 72.24979

Annex II:List of hazard prone villages/Revenue Estates

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Jhang, Shorkot, 18-Hazari, Ahmad Pur sial	Khewa, Sultan Pur, Sheikh Chohar, Pakkey Wala, Civil Station, Hasnana, Bagh, Lak Badhar, Pir Kot Sadhana, Massan, Haveli Sheikh Raju, Chaila, Qadir Pur, Chund Bharwana, Shah Jewana, Pabbar Wala, Chatta, Dhoori Wala, Kot Essa Sha, Chaiyan Wala, Mehram Sial, Qaim Bharwana, Shah Sadiq Nehang, Allah Yar Joota, Bhangoo , Badh Rajbana, Shorkot Janubi, Kakki Nau Doim, Kakki Nau Soim, Dab Kalan , Ghuman Marri, Hassu Balail, Fateh Pur Peratti, Kot Bahadar Shah, Meer Muhammad, Kot Murad, Rodu Sultan, Uch Gul Imam, Jaboana, Rasheed Pur, Wassu Astana, Doosa.	Jhang Chak Katcha, Jhang Chak Noor Shah, Khorora, Bela Bagar, Pakkeay Wala, Douka, Wagha Kalaka, Patowana, Bela Jhabana, Jandran, Khana Bati, Topa Bela Sharqi, Naikokara, Bela Mirjana, Dhouian Saidan Shah, Koorayanwala, Nandkana, Dadowana Nou, Chutala, Kharora Baqir, Sahmal, Cha Kameer, Bindi Baig Mehni, Dhunowala, Lakhnana Nou, Lakhnana Khona, Kaloo Sahmal, Kul Kuria, Joogra, Bela Rattar, Opth Bhadar Shah, Bindi Said Lal, Dhouan Muhammad, Dadowana Khona, Pepole Wala, Jahan Khan, Rajana, Katchan, Lughari, Mul Sultan, Havilee Dewan, Long Junoobi, Rakh Sajhowal, Pir Kot Sadhana, Chak Said Beram, Batafi, Chak Janpur, Kalar Quershi, Bulha Patowana, Bela Jotaanawala, Basti Balochan, Malkhiana, Alman Sharqi, Sobhaina Gharbi, Kot Braham, Lala Johla, Adhowana, Tehli Gadawali, Choori Noona, Jhugay Rug Shah, Bela Sahadani, Namdar Phully, Bela Patowana, Qadir Pur Khurd, Massan, Kot Bahadar Shumali, Binda	Jhang Chak Katcha, Jhang Chak Noor Shah, Khorora, Bela Bagar, Pakkeay Wala, Douka, Wagha Kalaka, Patowana, Bela Jhabana, Jandran, Khana Bati, Topa Bela Sharqi, Naikokara, Bela Mirjana, Dhouian Saidan Shah, Koorayanwala, Nandkana, Dadowana Nou, Chutala, Kharora Baqir, Sahmal, Cha Kameer, Bindi Baig Mehni, Dhunowala, Lakhnana Nou, Lakhnana Khona, Kaloo Sahmal, Kul Kuria, Joogra, Bela Rattar, Opth Bhadar Shah, Bindi Said Lal, Dhouan Muhammad, Dadowana Khona, Pepole Wala, Jahan Khan, Rajana, Katchan, Lughari, Mul Sultan, Havilee Dewan, Long Junoobi, Rakh Sajhowal, Pir Kot Sadhana, Chak Said Beram, Batafi, Chak Janpur, Kalar Quershi, Bulha Patowana, Bela Jotaanawala, Basti Balochan, Malkhiana, Alman Sharqi, Sobhaina Gharbi, Kot Braham, Lala Johla, Adhowana, Tehli Gadawali, Choori Noona, Jhugay Rug Shah, Bela Sahadani, Namdar Phully, Bela Patowana, Qadir Pur Khurd, Massan, Kot Bahadar Shumali, Binda

			Bahadar Shumali, Binda Palkana, Kot Bora, Najabat, Kot Sukha, Beli Ahmad Khan, Wasil Shah, Sajhar Kalassan, Bindi Amir Khan, Karamowana, Talwara, Saliana, Sai Sarwar, Khotiana, Bela Khotiana, Shana, Ghaghaiana, Havilee Ghulam Janat, Chak Ganish Das, Pir Balol, Bela Quershi, Kharkhan, Bali Noulana, Par, Chak Sialan, ObhanWala, Noonari, Mazari, Wanpal, Kot Essay, ShahSargana, Dhoukar, Jhoke Usman, Quershi, Jhoke Daya, Bhone, Jan Muhammad Khona, Bonga Tatari, Jahangir Pur, Pattai Alaanwali, Doaba, Kolar, Thatha Mehla, Habib, Sumandri Khurd, Kabli, Gunyana, Bindi Patowana Kalan, Bela Bangus, Bela Chandi Nath, Kiran, Chak Madrasa, Khchiana, Bangus, Bhochra, Thathi Punjoo, Douka Balouchan, Kot Ram Kore, Thathai Quershian, Bhorana, Vighlana, Jhalar Wahab Shah, Bindi Patowana Khurd, Chak Jalal Din, Bhokni, Mahram Sial, Thathi Shah Shakoor, Haiden, Kalara, Deraj, Kot Sahib, Bela Anaranwala, Kot Khan, Chak Darzi, Mansoor Sial, Jharki, Bhagat Ram Jas, Tiba Dhup Sari, Chella, Topa Bela Gharbi, Dhedoana, Sultan Pur, Thathai Panah, Sabar, Lal Jhalar, Aqil	Palkana, Kot Bora, Najabat, Kot Sukha, Beli Ahmad Khan, Wasil Shah, Sajhar Kalassan, Bindi Amir Khan, Karamowana, Talwara, Saliana, Sai Sarwar, Khotiana, Bela Khotiana, Shana, Ghaghaina, Havilee Ghulam Janat, Chak Ganish Das, Pir Balol, Bela Quershi, Kharkhan, Bali Noulana, Par, Chak Sialan, ObhanWala, Noonari, Mazari, Wanpal, Kot Essay, ShahSargana, Dhoukar, Jhoke Usman, Quershi, Jhoke Daya, Bhone, Jan Muhammad Khona, Bonga Tatari, Jahangir Pur, Pattai Alaanwali, Doaba, Kolar, Thatha Mehla, Habib, Sumandri Khurd, Kabli, Gunyana, Bindi Patowana Kalan, Bela Bangus, Bela Chandi Nath, Kiran, Chak Madrasa, Khchiana, Bangus, Bhochra, Thathi Punjoo, Douka Balouchan, Kot Ram Kore, Thathai Quershian, Bhorana, Vighlana, Jhalar Wahab Shah, Bindi Patowana Khurd, Chak Jalal Din, Bhokni, Mahram Sial, Thathi Shah Shakoor, Haiden, Kalara, Deraj, Kot Sahib, Bela Anaranwala, Kot Khan, Chak Darzi, Mansoor Sial, Jharki, Bhagat Ram Jas, Tiba Dhup
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			Pur,Jangle Katora,Tehli Ghulamo,Kotla Afghana,Qadir Pur Katcha,Hasnana, Bindi Haiden,Denar,Hassan Khan,Kala Bali,Baloo Shahbal, Khanowana, Mongar,Jhang Chak Shumali, Chhatta Dilawari,Mohal,Chandia Fraz,Havilee Sheikh Rajoo, Kilcha,Khewa,Chak Aliana, Jangle Katanwala,Sialan Wala,Nidha Ghar,Zinda Shah,Chaund BharwanaSalamanaShah Jewana Bhutta,Ali PurMahran Wala,Chhatta,Kot Khera,Bela Mohal, Lou, Bhojowana ,Maghiana Chak Noon, Sajhowal, Bali,Nika Doultana,Ratta Matta Junoobi,Bori Ghulam Jahanain,Chak Sheikhana,Katcha Shameer, Thatha Koryana,Sher Grah,Qadir Pur Pakka,Qadian,Kot Dewan,Thatha Jhabana, Ratta Matta Shumali, Punjgrain,Korayana Junoobi,Chak Balouchan Wala,Pabar Wala,Jan Muhammad Nou18- Hazari, Latif Shah,Basti Sanga, Kamra, Lashkari,Amrana Janubi,Bela Chontdra, Chontdra, Sidha, Dhabi, Sarwani Patowani,Ludrka,Kotla Nake Ahmad,Munday Syed,Sobhiana Gharbi, Alman Gharbi,Loharan Wala,Kharal,Chokin Janpur, Malkana, Binda Malkana,Rasheed Pur, Kot Bahader Janubi,Binda Rasheed Pur,Jamali	Sari,Chella,Topa Bela Gharbi,Dhedoana,Sultan Pur,Thathai Panah,Sabar,Lal Jhalar,Aqil Pur,Jangle Katora,Tehli Ghulamo,Kotla Afghana,Qadir Pur Katcha,Hasnana,Bindi Haiden,Denar,Hassan Khan,Kala Bali,Baloo Shahbal,Khanowana,Mon gar,Jhang Chak Shumali, Chhatta Dilawari,Mohal,Chandia Fraz,Havilee Sheikh Rajoo,Kilcha,Khewa,Chak Aliana, Jangle Katanwala,Sialan Wala,Nidha Ghar,Zinda Shah,Chaund BharwanaSalamanaShah Jewana Bhutta,Ali PurMahran Wala,Chhatta,Kot Khera,Bela Mohal,Lou,Bhojowana,M aghiana Chak Noon,Sajhowal,Bali,Nika Doultana,Ratta Matta Junoobi,Bori Ghulam Jahanain,Chak Sheikhana,Katcha Shameer,Thatha Koryana,Sher Grah,Qadir Pur Pakka,Qadian,Kot Dewan,Thatha Jhabana,Ratta Matta Shumali,Punjgrain,Koray ana Junoobi,Chak Balouchan Wala,Pabar Wala,Jan Muhammad Nou18-Hazari, Latif Shah,Basti Sanga,Kamra,Lashkari,A mrana Janubi,Bela Chontdra,Chontdra,Sidha ,Dhabi,Sarwani Patowani,Ludrka,Kotla Nake Ahmad,Munday Syed,Sobhiana
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			kalaan,Kot Murad,Pahard Pur,Trord,Parowana Shumanli, Basti Nusrat,Jaboana,Binda Jaboana,Dargahi Shah,Sultan Lashari,Dhan Miani,Bela Ali Khanana, Haveli Mohengar,Bati,Kot , Rustam,Lashari,Rodu Sultan,Kalyar Wala,Uchgul Imam,Raird,Wasu, Jamali Khurd,Fateh Shah,Shah Mehmood,Wasawa,Kasar Wala,Dara Sakhira,Dosa,Kotli Baqir Shah, Kot Maldev,Gadhri Fatehullah,Kunnal Sheroana,Chohan,Turk,Ku rian Wala,Jhaki,Loha Bhidr, Machiwaal,Kot Langar,Noon Sangra,Jhok Bhorani, Machiana,Amrana Shumali, Sial,Sahjar,Aliana, Haveli Haji Mehmood,Kot Shakar,Guniana Joya Mussali, Sangra, Chakwana,Ahmad Abad,Khokhar, Thathi Nusrat,Lal Daatri,Thathi Gul,Thathi Khair Shah,Thathi Mahrani,Paropi,Chandi Nashab,Ora, Bela Bakhshah,Bela Chandia,Mari Shah Sakhira, Goraya,Chandna,Bela Shehr,Butta Kotla,Balo, ThathiRahmon, Thathi Langar,Thathi Janoon,Tataar Kot,Chokin,Jand Maali, Jhalaar Fateh Khan,Dhirkaan,Jasrat Mal,Daal,Kot Noulan,Bela	Gharbi,Alman Gharbi,Loharan Wala,Kharal,Chokin Janpur,Malkana,Binda Malkana,Rasheed Pur,Kot Bahader Janubi,Binda Rasheed Pur,Jamali kalaan,Kot Murad,Pahard Pur,Trord,Parowana Shumanli, Basti Nusrat,Jaboana,Binda Jaboana,Dargahi Shah,Sultan Lashari,Dhan Miani,Bela Ali Khanana, Haveli Mohengar,Bati,Kot , Rustam,Lashari,Rodu Sultan,Kalyar Wala,Uchgul Imam,Raird,Wasu, Jamali Khurd,Fateh Shah,Shah Mehmood,Wasawa,Kasar Wala,Dara Sakhira,Dosa,Kotli Baqir Shah, Kot Maldev,Gadhri Fatehullah,Kunnal Sheroana,Chohan,Turk,K urian Wala,Jhaki,Loha Bhidr,Machiwaal,Kot Langar,Noon Sangra,Jhok Bhorani,Machiana,Amran a Shumali,Sial,Sahjar,Alia n,Haveli Haji Mehmood,Kot Shakar,Guniana Joya Mussali,Sangra,Chakwan a,Ahmad Abad,Khokhar,Thathi Nusrat,Lal Daatri,Thathi Gul,Thathi Khair Shah,Thathi Mahrani,Paropi,Chandi Nashab,Ora,Bela Bakhshah,Bela Chandia,Mari Shah
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		Surbana,Basti Rasheed,Ali Khanana, Bela Phulayanwala,Opuh Janjyana,Binda Fauja Dhara,Kulachi Fauja Dhara,Hassuwali,Nawab Pur, Kot Mahrana,Dab Kalan,Dab Kala,Jalala Dab,Kacha Kameera,Muhammad Yar Chishti, Sadiq Muhammad Jhandir,Sadan Nakukara,Dogar Malang,Tiba Jhandiran,Jafar Shah,Kotly Jhandeeran, Khan Pur, Bindi amlana, Obhanwala,Kharanwala,H. B.Shah Gharbi,Basti Waryam,Badh Rajbana Janubi, Yaray wala, Badh Rajbana Shumali,Dhalna Kamlana, Kakuwala,Naushehra,Mah ram Sial,Budhuana, Binda Surbana,Allah Yar Joota,Khaki Lakhi,Jala Bharwana,Jalalpur Kamlana,Paruana Janubi, Khokhra Kamlana,Jhandir Niazi Wala,Bhako Sargana,Faqir Sial,Sadqana Merali,Najaf Shah,12/3L, Hazrat Sultan Bhao,Bhadwal,Deraj,Eney at Shah,Bela Gharh,Bela Kamlana,Jhook Dargai Shah, Bela Badh,Mud Rajbana,Basti Jhandir,3/2 L,Islam Pur Nasheeb,Islam Pur Faraz,BastiNorang,Benda Goli, Joosa,Teba Gehli,Fateh Pur Perity,Bahar Garbi,Peero,Bola,Neko Kara,Deyti Sial,Sabqi,Koat Mapal,	Sakhira,Goraya,Chandna ,Bela Shehr,Butta Kotla,Balo,ThathiRahmon ,Thathi Langar,Thathi Janoon,Tataar Kot,Chokin,Jand Maali, Jhalaar Fateh Khan,Dhirkaan,Jasrat Mal,Daal,Kot Noulam,Bela Surbana,Basti Rasheed,Ali Khanana, Bela Phulayanwala,Opuh Janjyana,Binda Fauja Dhara,Kulachi Fauja Dhara,Hassuwali,Nawab Pur, Kot Mahrana,Dab Kalan,Dab Kala,Jalala Dab,Kacha Kameera,Muhammad Yar Chishti,Sadiq Muhammad Jhandir,Sadan Nakukara,Dogar Malang,Tiba Jhandiran,Jafar Shah,Kotly Jhandeeran,Khan Pur,Bindi amlana,Obhanwala,Khar anwala,H.B.Shah Gharbi,Basti Waryam,Badh Rajbana Janubi,Yaray wala,Badh Rajbana Shumali,Dhalna Kamlana,Kakuwala,Naus hehra,Mahram Sial,Budhuana,Binda Surbana,Allah Yar Joota,Khaki Lakhi,Jala Bharwana,Jalalpur Kamlana,Paruana Janubi,Khokhra Kamlana,Jhandir Niazi Wala,Bhako Sargana,Faqir Sial,Sadqana Merali,Najaf Shah,12/3L,Hazrat Sultan Bhao,Bhadwal,Deraj,Ene yat Shah,Bela Gharh,Bela
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			Benda Gona Wala, Islam Wala, Meer Muhammad, Meerne Wala, Ghar Mahraja, 5/2 L, Sewa Sadat, Hasso Balil, Dagree, Tango, Jaiveen, Mahmood Shah, Shah Yousfi, Basti Wali Muhammad Jhandir, 4/2 L, 2/2 L, Jaana, Kot Bahadur, Lghari, Sanpal, Sadhana, Peer Abdul Rehman Janobi, Peer Abdul Rehman Shumali, Ranjeet Koat, Veji, Samdoana, Dull, Chak Norang Shah, Chadhard, 2/3 L, 4/4 L, Dori Gondal.	Kamlana, Jhook Dargai Shah, Bela Badh, Mud Rajbana, Basti Jhandir, 3/2 L, Islam Pur Nasheeb, Islam Pur Faraz, Basti Norang, Benda Goli, Joosa, Teba Gehli, Fateh Pur Perity, Bahar Garbi, Peero, Bola, Neko Kara, Deyti Sial, Sabqi, Koat Mapal, Benda Gona Wala, Islam Wala, Meer Muhammad, Meerne Wala, Ghar Mahraja, 5/2 L, Sewa Sadat, Hasso Balil, Dagree, Tango, Jaiveen, Mahmood Shah, Shah Yousfi, Basti Wali Muhammad Jhandir, 4/2 L, 2/2 L, Jaana, Kot Bahadur, Lghari, Sanpal, Sadhana, Peer Abdul Rehman Janobi, Peer Abdul Rehman Shumali, Ranjeet Koat, Veji, Samdoana, Dull, Chak Norang Shah, Chadhard, 2/3 L, 4/4 L, Dori Gondal.
Urban Flooding	-	-	-	Municipality Areas of all Municipal Committees.

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

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	DHQ Jhang Gojra Road Satellite town	31.258668 72.329748	DHQ	Dr.Sadaf Naqvi 0333-6521004	Urban Flood
2	THQ Jhang City		THQ	Dr. Ayysha Farman 0334-66549929	-
3	THQ Hospital Shorkot Multan Road Shorkot	30.820752 72.070601	THQ	Dr.Maria 0332-5447213	Urban Flood
4	THQ A.P Sial A.P Sial	30.687046 71.762485	THQ	Dr.Mumtaz Ahmad Nadeem 0300-6374790	Flood
5	THQ 18 Hazari Wasoo	31.183384 72.078579	THQ	Dr.Rana Muddasir 0334-6305476	Flood
6	RHC Mochiwala Faisalabad Road Mochiwala	31.298632 72.531820	RHC	Dr.Amir Hussain 0343-8038122	-
7	RHC Mukhiana Chiot Road Mukhiana	31.401244 72.413260	RHC	DR. Syed Ali Ameer Mahdi 0333-8965507	Flood
8	RHC Shah Jewana Lalian Road Shah Jewana	31.518336 72.339606	RHC	Dr.Ghulam Abbas 0345-7008936	-
9	RHC Haveli Sheikh Rajoo	31.423549 72.264675	RHC	Dr.Sadiq Ali 0343-7943053	Flood
10	RHC Bagh Toba Road Bagh	31.204621 72.341831	RHC	Dr.Ijaz Hussain 0341-7267107	-
11	RHC Kot Shakir Khushab Road KotShakir	31.483185 72.082720	RHC	Dr. Farooq Ahmed 0342-7014441	

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
12	RHC Rodu Sultan Layya Road Rodu Sultan	31.061051 71.998643	RHC	Dr. Muhmmad Bilal 0336-1772128	Flood
13	RHC Garh Maharaja	30.519508 71.542131	RHC	Dr. Amir Raza 0300-6829433	Flood
14	RHC Haveli Bahadur shah	31.080927, 72.184891	RHC	Dr. Hama Ahmad 0334-0150206	-
15	RHC Waryam Wala	30.967777 72.254918	RHC	Dr. Arshed.Ali 0333-6754910	-
16	BHU Kot Sai Singh Kot Sai Singh	31.278413 72.347385	BHU	Dr. Talha Asghar 0334-6081049	
17	BHU Chak 446	31.227482, 72.487821	BHU	Dr.Aqeel Ashraf 0321-7933673	
18	BHU Kot Lakhnana KotLakhnana	31.234659, 72.417843	BHU	Dr. Muhammad Shafqat 0324-7500344	-
19	BHU Hevali Lal Heveli Lal	31.105328, 72.293096	BHU	M.T Muhammad Ramzan Shahid 0343-3721811	
20	BHU Vijhlana Vijhlana	31.210882, 72.276373	BHU	Dr. Arslan Haider 0343-7998646	-
21	BHU Ashaba Ashaba	31.135839, 72.336239	BHU	Zahid Ali Disp 0300-7184048	-
22	BHU Pakkaywala Pakkaywala	31.370693, 72.318392	BHU	Dr. Fatima 0331-7583901	Flood
23	BHU Sultan Pur Sultan Pur	31.405640, 72.440225	BHU	Shahid Ahmad M.T 0343-7917601	Flood
24	BHU Sheikh Chuhar Sheikh Chuhar	31.384107, 72.416699	BHU	Irshad Hussain M.T 0346-6060732	-

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
25	BHU Khanuana Khanuana	31.460569, 72.502989	BHU	Dr. Ghulam Haider Khan 0302-6961097	Flood
26	BHU Chak NO-231 Chak NO- 231	31.406221, 73.137864	BHU	Dr.Talha Ajmal 0336-0079287	-
27	BHU Chak No-165 Chak No- 165	31.404098, 73.137148	BHU	Dr. Hira Afzal 0330-4614418	-
28	BHU Chak No-170 Chak No- 170	31.353652, 72.540466	BHU	Qasim Ali M.T 0345-7988085	-
29	BHU SaeedabadChak / 254 Saeedabad	31.313703, 72.647478	BHU	Out Source	-
30	BHU Chak No-181 Chak No- 181	28.173623, 69.961796	BHU	Azhar Iqbal MT 0347-4191702	-
31	BHU Chak No-220 Chak No- 220	31.305248, 72.460949	BHU	Dr.Sehreen Amnbar 0337-4997785	-
32	BHU Mallhuana Mallhuana	31.146800, 72.222947	BHU	Muammad Iqbal MT 0345-7607767	-
33	BHU Lak Baddar Lak Baddar	31.103171, 72.260713	BHU	Dr.Aqsa 0300-2921818	-
34	BHU Munday Syed Munday Syed	30.744338, 72.044199	BHU	Dr.Taeba Tanzir 0300-0698180	Flood
35	BHU Rashid Pur Rashid Pur	31.132422, 72.095632	BHU	Dr.Hamad Maood 0305-7544579	Flood
36	BHU Jabbuana Jabbuana	31.103405, 72.086349	BHU	Muhammad Ramzan Disp 0302-3787160	Flood
37	BHU Uch Gul Imam	31.132602, 71.975186	BHU	Irshad Hussain Dispensar	Flood

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
	Uch Gul Imam			0301-5144849	
38	BHU Waso/ Bharari		BHU	Out Source ?	Flood
39	BHU Machiwal Machiwal	32.777536, 73.923281	BHU	Ansa Akram 0346-7242215	-
40	BHU Bulloo Bulloo	31.724024, 72.150414	BHU	Dr.Mehtab Hussain 0321-6514460	-
41	BHU Ali Pur Ali Pur	31.416464, 73.365742	BHU	Dr Aqsa Javed 0336-1161682	-
42	BHU Iqbal Nagar Iqbal Nagar	31.488059, 72.255793	BHU	Shafiq ur Rehman Dispener 0341-7867736	-
43	BHU PirKot PirKot	31.272370, 72.160780	BHU	M.Tahir Iqbal Dispenser 0317-7597040	Flood
44	BHU Salyana Salyana	31.346142, 72.140972	BHU	Dr Iqra Ghulam 0336-7105789	Flood
45	BHU Hassan Khan Hassan Khan	31.387010, 72.233516	BHU	Dr Munawar Hussain 0303-7682988	Flood
46	BHU Ratta Matta Ratta Matta	31.578757, 72.407222	BHU	Dr.Armeesh Tanveer 0335-6065458	-
47	BHU Kariwala Kariwala	30.948487, 71.850586	BHU	Muhammad Bilal Dispenser 0341-7567832	-
48	BHU Mandi Shah Jewana	31.520093, 72.340593	BHU	Akbar Ali Disp 0345-7598540	-
49	BHU Chattah Chattah	31.557981, 72.230001	BHU	Dr.Hafiz Ijaz Ali 0348-8025220	-
50	BHU Nidha Ghar NadhaGhar	31.399429, 72.052217	BHU	Muhammad Iqbal 0345-8640300	-
51	BHU Kot Isa Shah		BHU	Dr. Musa Raza	Flood

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
				0315-7601283 0334-6351211	
52	BHU Bhero Bhero	31.720980, 72.300755	BHU	Abdul Rehman Dispenser 0310-6497209	Flood
53	BHU Chayanwala Chayanwala	30.983698, 72.267611	BHU	Muhammad Jahangir Dispenser 0347-9816485	-
54	BHU Allah YarJoota Allah YarJoota	30.921453, 72.090936	BHU	Dr.Ali Hamza 0307-8184829	-
55	BHU Kot Mirza Kot Mirza	30.966084, 72.291538	BHU	Dr. Umer Farooq 0346-7709728	-
56	BHU Pir Bahadar Shah, PirBahadar Shah	30.922535, 72.155202	BHU	Izahr Ul Haq Dispenser 0302-9562235	-
57	BHU Chak No-482, Chak No- 482	31.017278, 72.319467	BHU	Muhammad Afzal Dispense 0341-1072485	-
58	BHU Chak No-497, Chak No- 497	30.842961, 72.216288	BHU	Naeem Javed Dispenser 0301-3927848	-
59	BHU Chak No. 17 Gagh, Chak No. 17 Gagh	32.453825, 73.323596	BHU	Dr Ayyesha Latif 0333-4506880	-
60	BHU BadhRajbana, BadhRajbana	30.824376, 72.022526	BHU	Dr.Shahid Abbas 0335-6700012	Flood
61	BHU Khumanawala, Khumanawala	30.817533, 72.164233	BHU	Muhammad Zahid 0300-7500329	-
62	BHU Kakki Nou, Kakki Nou	30.766794, 72.032171	BHU	Dr Ayesha Fatima	-

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
				0334-6654929	
63	BHU Dab Kalan, Dab Kalan	30.716635, 71.888303	BHU	Dr Muhammad Ashrif 0305-4915335	Flood
64	BHU Khaki Lakhi, Khaki Lakhi	30.718527, 71.884124	BHU	Dr Amir Raza 0300-8556663	-
65	BHU Jalal Pur, Jalal Pur	30.689602, 71.895625	BHU	Dr M.Nauman Haider 0309-4114091	-
66	BHU Sammanduana, Sammanduana	30.628095, 71.747921	BHU	Jamshed Ishaq Dispenser 0308-7209190	Flood
67	BHU Essaywala, Essaywala	30.756989, 71.784687	BHU	Aurang Zeb Dispenser 0346-7286052	-
68	BHU Pir Abdur,Rehman	30.689697, 71.771796	BHU	Dr. Saqib Ali 0300-4377933	-
69	BHU Hazrat Sultan Bahoo	30.836936, 71.852270	BHU	Dr.Khadija Tahira 0307-7640200	Flood
70	BHU Chak-4/2-L, Chak-4/2-L	31.265172, 72.319854	BHU	Dr.Nabeela Akhtar 0304-2761436	-
71	BHU Gudara, Gudara	30.887932, 71.835284	BHU	Liaqat Ali 0306-6009065	-
72	BHU Hassu Balail, HassuBalail	31.027268, 72.001122	BHU	Riaz Hussain Dispenser 0301-7048060	Flood
73	BHU Nekurara	30.989874, 72.017899	BHU	Dr.Hira Muneer 0340-7204874	Flood
74	Sharif abad	30.937200, 71.918553	BHU	Mureed Abbas 0308-9214572	Flood
75	GRD Chah Jaan Muhammad	31.282745, 72.295934	GRD (Govt Rural Dispensary)	Anser Abbas 0301-4518442	Flood

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
76	GRD Kull korai, Kull korai	31.325161, 72.346127	GRD (General Dispensary)	Ghulam Mustafa 0345-7612798	Flood
77	GRD Rajana, Rajana	30.856602, 72.547230	GRD (General Dispensary)	Muhammad Asif 0344-7575379	Flood
78	GRD Jhaggar, Jhaggar	31.372855, 72.154937	GRD (General Dispensary)	Post Vacant	Flood
79	GRD Kharkan, Kharkan	30.989874, 72.017899	GRD (General Dispensary)	Riaz Anjam 0310-7845870	Flood
80	GRD Massan, Massan	31.309628, 72.186676	GRD (General Dispensary)	Muhammad Ramzan Disp 0345-6535363	Flood
81	GRD DhanMiani, DhanMiani	31.079337, 72.074388	GRD (General Dispensary)	Anwer Ali 0306-3783767	Flood
82	GRD Dhano Wala	30.978150, 72.013249	GRD (General Dispensary)	Hafiz Nazeer 0344-7930002	Flood
83	GRD Meernay Wala	30.906209, 71.949219	GRD (General Dispensary)	Saif Ur Rehman 0300-6504840	Flood
84	GRD Chak Jan Pur, Chak Jan Pur	31.144565, 71.736546	GRD (General Dispensary)	M.Umar Draz 0347-4229582	Flood
85	GRD Zafar Abad, Mouza Chela	30.906209, 71.949219	GRD (General Dispensary)	Zafar Iqbal 0346-7271088	Flood
86	T.B Clinic Gojra Road	31.263211, 72.333516	T.B Clinic	Dr. Nasir Ismail 0345-7341189	-

ANNEX IV:LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School , College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GPS Baili Wala	Primary	31.25156 72.30003	94	Ikhlau Hassan Naeem	0346-9631214
2	GMPS Akbar Pura	Primary	31.19517 72.23159	245	Ghulam Yaseen	0344-2424570

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
3	GPS Bela Mohal	Primary	31.20551 72.23445	92	Allah Ditta	0344-7933288
4	GMPS Hassan Wala	Primary	31.20917 72.25611	71	Shah Jahan	0340-7230603
5	GPS Chak Noon	Primary	31.62598 72.39499	150	Muhammad Nadeem Iqbal	0343-6276951
6	GMPS ChakKacha	Primary	31.2589 72.28995	187	Muhammad Yaqoob	0341-6763063
7	GES Balian	Primary	31.525036 72.3796202	188	Zulfiqar Khan	0344-7810944
8	GPS Sher Garh	Primary	31.5315345 72.3641221	48	Sultan Mehmood	0314-3406185
9	GPS Monghar	Primary	31.4900912 72.3505318	241	Muhammad Hanif	0342-6917145
10	GPS Khallar Awan	Primary	31.5554263 72.3873496	129	Muhammad Azeem	0343-6171162
11	GES Sultan Bakhsh	Middle	31.58661 72.20672	166	Abdull Khaliq	0345-7605260
12	GPS Thatta Kamira	Primary	31.6432 72.2255	52	Asmat Shehzad	0347-7739837
13	GMPS Bindi Lal Mureed	Primary	31.6073 72.21462	298	Iram Ashraf	0349-6718323
14	GMPS Kiran	Primary	31.61982 72.19914	285	Safia Sultana	0322-6554078
15	GPS Nehalay Wala	Primary	31.60629 72.1602	130	Kashif Ul Hassan	0340-7509065
16	GMPS QadirPur	Primary	31.58342 72.16855	202	Ubaida Iram	0349-2349968
17	GPS ThattiKhaira	Primary	31.5761 72.15553	134	Zahoor Ahmad	0344-4770926
18	GPS DoukaBlouchan	Primary	31.55049 72.1958	183	Imran Khan	0304-9801584

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
19	GPS DarbarFateh Shah	Primary	31.57444 72.19083	28	Nauman Ghiyas	0344-7900786
20	GGES Boori.	Middle	31.7338948 72.2678127	67	Sonia Akhtar	0346-1372673
21	GGPS Lau.	Primary	31.62669 72.19626	105	NusratShaheen	0343-4658429
22	GGPS Chatteywala.	Primary	31.63962 72.19812	102	Fahmina Naz	0348-5207818
23	GMPS QadirPur.	Primary	31.58342 72.16855	138	AzraPerveen	0340-7774063
24	GGPS Jamal Wala.	Primary	31.58522 72.21149	256	Anam Zafar	0342-5463969
25	GGPS Vanpal.	Primary	31.61676 72.17739	85	Sonia Khalid	0348-8664956
26	GGPS ThathiQureshian.	Primary	31.61982 72.19023	96	Faizan Hameed	0349-2855451
27	GGPS Subhagha.	Primary	31.62167 72.2155	51	Abdull	0345-4860019
28	GGPS Thatha Kameera.	Primary	31.64321 72.22549	52	Maqsood Akhtar	0345-8966361
29	GHS Chatta	High	31.60571 72.17723	340	Syed Muhammad Yasir Raza	0341-8383772
30	GMPS Qadian	Primary	31.67916 72.17873	130	Muhammad Hasnain	0346-7512042
31	GMPS SehvaMajoka	Primary	31.72256 72.22517	104	Shahida Parveen	0344-3116856
32	GMPS NadhaGhar	Primary	31.7348684 72.3063932	183	Arifa Yasmeen	0340-7478976
33	GGES Jhoke Daya	Middle	31.68864 72.25596	101	Uzma batool	0313-7100642
34	GPS Kot Eisa Shah	Primary	31.69147 72.19255	210	Muhammad Ramzan Haideri	0346-7296356

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
35	GMPS Duaba	Primary	31.67783 72.18929	96	Kalsoom Akhtar	0342-7941903
36	GHS Bhone	High	31.7702771 72.2474882	496	Muhammad Awais	0313-4025386
37	GHS Kot Esa Shah	High	31.6868 72.1945	578	Muhammad Sami Ullah	0333-6559606
38	GGHS Kot Esa Shah	High	31.68783 72.19729	546	Mussarat Shaheen	0345-0338042
39	GGPS Jan Muhammad Nau.	Primary	31.7474671 72.2528478	50	Bushra Parveen	0303-7789876
40	GGPS Jhok Usman.	Primary	31.71223 72.19918	83	Saima	0302-7154489
41	GGPS ThathiBaqir.	Primary	31.6668 72.17272	18	Hadiba Naqvi	0300-6504236
42	GGPS Dhokar.	Primary	31.72999 72.21285	94	Zareena Shahbaz	0306-1551843
43	GGPS Doaba.	Primary	31.40332 72.6162	134	Kalsoom Akhtar	0342-7941903
44	GGPS Haidhen.	Primary	31.66198 72.19596	82	Asma parveen	0346-5022714
45	GMPS BoongaTatari.	Primary	31.76676 72.2134	80	Samina Begum	0301-6996345
46	GMPS SehwaMajooka.	Primary	31.72256 72.22517	64	Bushra Parveen	0344-3116858
47	GPS DarbarLakhi Shah	Primary	31.773338 72.251634	96	Muhammad Nadeem Abbas	0345-8664805
48	GMPS KotKhushal	Primary	31.66266 72.2292	98	Naseem Akhtar	0348-1177275
49	GMPS Bindi Haiden	Primary	31.66198 72.19596	185	Mureed Fatima	0341-7757279
50	GMPS Atuana	Primary	31.6617922 72.2554631	85	Najma Kamal	0345-8734711
51	GMPS Koler	Primary	31.71216	181	Mushtaq Ahmad	0343-7011486

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
			72.19914			
52	GPS Patti Allahwali	Primary	31.69838 72.20447	65	Akbar Nawaz	0312-5988119
53	GPS Bannay Wala	Primary	31.701156 72.20671	65	Yasir Ameer	0302-9313006
54	GPS Boori	Primary	31.7361174 72.2652356	67	Muhammad Abdul Rehman	0345-7740467
55	GGPS Patai Allan Wali.	Primary	31.69838 72.20447	58	Zakia Begum	0343-4429323
56	GGPS JihangeerPur.	Primary	31.72047 72.24411	46	Allah Dad	0345-7508880
57	GGPS New Delhi.	Primary	31.7399449 72.2699858	79	Kausarperveen	0345-1707805
58	GPS Lodharan Wala	Primary	31.24887 72.09441	66	Liaqat Ali	0345-5270861
59	GMPS Kamara	Primary	31.19161 72.12375	260	Abid Hussain	0345-1163144
60	GPS Basti Sangha	Primary	31.18266 72.15017	67	Muhammad Bilal	0308-7388804
61	GGES Munday Syed	Middle	31.27671 72.01811	280	Sumaila Bukhari	03432443065
62	GG CMS Subhyana Gharbi	Primary	31.26025 72.09236	224	Sidra TulMuntaha	03357634226
63	GMPS Dhabbi	Primary	31.23999 72.08869	147	Asma Nawaz	0348-1593059
64	GGPS Garhi FatehUllah No.1	Primary	31.26729 72.08682	102	Sadia Parveen	0344-0766060
65	GGPS Kharal Sipra	Primary	31.23994 72.08876	141	Tanveer Akhtar	03477424736
66	GGPS Aalma Gharbi	Primary	31.25182 72.09061	76	Rabia Shafi	0300-7685064
67	GPS Kot Rustam	Primary	31.03405 72.06407	194	Muhammad Zafar	0300-2588059

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
68	GPS Kot Shakir	Primary	31.48196 72.08656	225	Muhammad RamzanAsi	0301-3967096
69	GMPS Khokharnwala	Primary	31.49487 72.1078	104	Sadia Sarwar	0349-7501150
70	GMPS Joya	Primary	31.489 72.10425	109	Munazza iqbal	0347-8809928
71	GES Chandna	Middle	31.51028 72.099666	502	Abdul Raheem Qasim	0300-6502889
72	GPS Khan Pur	Primary	31.4742 72.09559	39	Saleem Ahmad	0346-7864528
73	GGPS Ahmad Abad No 1	Primary	31.4924 72.09274	35	AmnaBaigham	03468765985
74	GPS Dosa	Primary	31.21621 72.01633	200	Ghulam Shabbir	0301-5741679
75	GMPS Garhi Fateh Ullah	Primary	31.2758 72.01711	160	Asma Anwar	0340-7205024
76	GMPS Jandian Wala	Primary	31.32787 72.02831	137	Najma Batool	0348-7511384
77	GHS Kot Maldave	High	31.21387 72.01611	247	Muhammad Saeed	0334-3787854
78	GGPS Kot Maldave	Primary	31.21356 72.01856	49	Abida Safdar	0348-6722315
79	GMPS Kurrian Wala	Primary	31.33944 72.077319	199	Benish Khan	0332-1660389
80	GMPS Dauka	Primary	31.55049 72.1958	183	Ghulam Ali	0317-7528510
81	GPS Basti Malah	Primary	31.30472 72.27734	289	Nasir Abbas	0336-0692626
82	GES Patuana	Middle	31.32514 72.29108	333	Safdar Ali Khan	0301-6997466
83	GHS Habib	High	31.34097 72.29914	444	Umar Farooq	0306-7097987
84	GGES Kabli	Middle	31.40656 72.13736	230	Sumaira Yaseen	0333-6742715

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
85	GMPS Jangle Katora	Primary	31.42024 72.1914	100	Um-e-Salma	0342-1361820
86	GMPS ChakBaloachan	Primary	31.47738 72.21359	222	Bushra Bagum	03455799289
87	GGPS ThattaKoriana	Primary	31.43108 72.27517	265	Kouser Perveen	0334-0161920
88	GES KharoraBaqir	Middle	31.46799 72.46684	537	Ijaz hussain	0346-4343697
89	GPS KharoraBaqir (W)	Primary	31.4907452 72.4248653	138	Muhammad Iqbal	0341-3181795
90	GPS Bhouchra	Primary	31.50246 72.4987033	161	Mushtaq Ahmad	0344-7904366
91	GPS BindiBaigMahni	Primary	31.45331 72.38207	157	Muhammad Sharif	0332-6942874
92	GPS DeraWaryam	Primary	31.30539 72.30263	84	Muhammad Attique Ur Rehman	0343-0406600
93	GMPS BudhayKi	Primary	31.4521423 72.4550056	380	Ghulam Dastageer	03446830278
94	GPS Wali Mohammad wala	Primary	31.43678 72.39542	112	Ubaid UR Rehman	0347-6001005
95	GMPS Dhannu Wala	Primary	31.43223 72.34558	100	Asia Bano	0332-6282570
96	GPS Lakhnana Abad (PEF)	Primary	31.4598392 72.4675047	150	Mumtaz Hussain	0344-7900418
97	GES BindiPatuana	Middle	31.25329 72.15118	336	Manzoor Hussain	0343-7994445
98	GPS KotBehram	Primary	31.30167 72.14682	104	Muhammad Yousaf	0347-7242743
99	GPS Nikka Blouchan	Primary	31.29017 72.13014	141	Zafar Iqbal	0347-8379510
100	GMPS Massan	Primary	31.308499 72.187493	200	Uzma Shaheen	0341-3172869

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
101	GPS Magha Patuana	Primary	31.23503 72.13124	223	Musadaq Sarfaraz	0346-2350052
102	GGPS Bullah Patuana	Primary	31.22431 72.17796	80	Rabia Shafiq	0310-8383900
103	GPS Dheduana	Primary	31.27671 72.21414	170	Muhammad Asim	0311-6564070
104	GPS Lalla Juhla	Primary	31.29629 72.15511	70	Faiz Ullah	0341-4640448
105	GPS Bindi Patuana	Primary	31.26024 72.14488	86	Muhammad Ashraf	0345-6787028
106	GPS Bela Chontra	Primary	31.2228 72.1377	149	Muhammad Ehsan	0341-7864641
107	GPS Namdar Phulhi	Primary	31.25083 72.17471	102	Raza Mustafa	0347-2131840
108	GPS Bela Jutian Wala	Primary	31.20165 72.14868	65	Zulfiqar Ali	0345-8900487
109	GPS Tahli Gaddanwali	Primary	31.25468 72.20994	185	Muhammad Ehsna	0342-5833446
110	GHS Pir Kot Sadhana	High	31.270548 72.164045	707	Muhammad Sajjad	0336-6535420
111	GGPS Bindi Patoana	Primary	31.25161 72.15303	86	Asia Latif	0342-5806500
112	GGPS Basti Pathan	Primary	31.29815 72.18414	115	Rizwana Qamar	0343-1640318
113	GGPS Udhoana	Primary	31.31012 72.14054	50	Kaneez Fatima	0341-7868694
114	GGPS Lahla Johla	Primary	31.28983 72.15104	118	Mumtaz Begum	0344-7914501
115	GGPS Nikkay Baloach	Primary	31.29439 72.13632	141	Amna Hassan	0341-5060490
116	GGPS Alma Sharqi	Primary	31.26731 72.1351	80	Bushra Nawaz	0306-9850568
117	GMPS Chak Jan Pur	Primary	31.24181 72.19829	160	Ghulam sughra	0342-9320645

S#	Name	Institute type (School , College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
118	GGPS Chah Gul Wala	Primary	31.29235 72.1631	50	Takreem abdullah	0345-2260107
119	GPS Mehram Sial	Primary	31.33347 72.18323	104	Muhammad Hasnain	0300-6039262
120	GES Jharki	Middle	31.32623 72.21621	352	Aziz Ahmad	03482730664
121	GPS Kharkhin	Primary	31.35952 72.23251	192	Muhammad Iqbal	0347-7937355
122	GPS Zafar Abad	Primary	31.135725 71.960192	123	Ghulam Abbas	0301-3936759
123	GGES Hassan Khan	Middle	31.38746 72.23529	225	Shumaila Zaibi	03408789901
124	GGPS Gairaian Wala	Primary	31.37387 72.23599	50	Iram shahzadi	0348-1289383
125	GGPS Khawar Abbas	Primary	31.37354 72.18145	51	Kouser Parveen	0345-5529175
126	GGPS Mehram Sial	Primary	31.34256 72.18531	104	Fauzia Yasmeen	0345-7607735
127	GGPS ChakDarzi	Primary	31.31637 72.22145	35	Muzzamil Jahangir	0345-6200980
128	GGPS Chak Jalal Din	Primary	31.35999 72.18883	145	NasiraPerveen	0349-8206450
129	GGPS PirBehlol	Primary	31.37024 72.1917	331	Sumaira	0346-8646763
130	GMPS ThattiKhair Shah	Primary	31.50101 72.15536	150	Muhammad Ijaz	03423775937
131	GMPS Sabhar	Primary	31.55049 72.1958	175	Ansar Abbas	0341-4848766
132	GMPS Long Janubi	Primary	31.4763 72.15481	200	Saima Ijaz	0346-0008660
133	GES Kalera	Middle	31.51144 72.14779	348	Khuram Shahzad	03450338171
134	GHS Kot Khan	High	31.45773 72.15582	314	Ahmad Nawaz gohar	0346-7386669

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
135	GGES Kot Khan	Middle	31.46009 72.55653	270	balqees	0342-6908085
136	GGPS Pabbar Wala	Primary	31.49737 72.25616	150	Shafqat Parveen	0342-6856322
137	GGPS Hassan Abdal	Primary	31.45648 72.18197	80	Iram Zahra	0341-7829330
138	GGPS Kot Khan Sharqi	Primary	31.47824 72.1756	50	Nasreen Fatima	0344-2028713
139	GGPS Chak Aliana	Primary	31.45872 72.13704	170	Ishaq Khan	0345-7585408
140	GMPS Laghari	Primary	31.54424 72.15648	387	ShafqatAbass	03457944550
141	GGPS ThattiPannah	Primary	31.51325 72.16917	140	Um tul Noor	0308-4972712
142	GGPS Guniana	Primary	31.48136 72.14348	135	Sumaira Yasmeen	0348-6057448
143	GGPS Kalaira	Primary	31.51145 72.14775	70	Farwa Iqbal	0341-9814032
144	GGPS Mall Sultan	Primary	31.55052 72.16305	40	Sobia Naureen	0348-1737934
145	GMPS Bela Bhurana	Primary	31.36129 72.1249	105	Asif Shehzad	0342-7913955
146	GHS Chela	High	31.38695 72.14283	437	Sikandar Hayyat	0347-3287707
147	GGHS Chela	High	31.38887 72.14246	484	Tahira Mubeen	0341-4404873
148	GHS Salyana	High	31.34464 72.14124	633	Muhammad Ramzan	0345-7581037
149	GHS Sher Chakir	High	31.39293 72.1995	552	Muhammad Arshad	0344-7940570
150	GGHS Sher Chakir	High	31.3897 72.20089	468	Tayyaba Saleem	0322-7738297
151	GGPS Kot Boora	Primary	31.39975 72.17083	85	Shazia Riaz	0346-7916577

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
152	GMPS Jhaghar	Primary	31.36831 72.13939	205	ShaguftaJabeen	0347-7267480
153	GGPS ChahBohar Wala	Primary	31.3914 72.16104	30	ShahziaRamzan	0346-7244721
154	GMPS Rajana	Primary	31.42254 72.15026	53	Iqra Fatima	0343-0868670
155	GGPS BoharPio Maran	Primary	31.40929 72.22464	55	Kishwar Nadeem	0313-0718107
156	GGPS Arri Wala	Primary	31.37228 72.20363	25	Farzana ramzan	0343-7481396
157	GGPS Wasal Shah	Primary	31.35426 72.14826	98	Robina Manzoor	0343-7911158
158	GGPS Thatti Shah Shakoor	Primary	31.34469 72.14896	188	Maryam Naeem	0342-4796611
159	GGPS Talwara	Primary	31.3355266 72.154683	105	Saira Ijaz	0345-6500574
160	GGPS KotSukha	Primary	31.35767 72.14108	46	Naseem Akhtar	0345-8156412
161	GGPS Baili Ahmad Khan	Primary	31.36334 72.13035	35	UzmaRiaz	0340-4821837
162	GGPS Tarrana	Primary	31.3486 72.13008	47	Shehnaz Bibi	0343-7895041
163	GMPS Khotiana	Primary	31.33691 72.1294	186	Rab Nawaz	0347-6866812
164	GMPS SajharClassan	Primary	31.31716 72.12613	235	Hakim Bibi	0347-9501472
165	GGPS Ghughiana	Primary	31.35054 72.10652	20	Sajida	0348-7369001
166	GGPS Chah Shah Alam	Primary	31.32589 72.16734	142	Nadia Batool	0347-9550007
167	GGPS Anwar Abad	Primary	31.39175 72.17721	95	Shahnaz Bibi	0340-6673566
168	GPS Dab Jalala	Primary	30.71512 71.88872	214	Muhammad Nasir	0304-3418841

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
169	GPS Khizar Hayat wala	Primary	30.7505 71.89239	150	Muhammad Afzal	0302-2101727
170	GPS Sadhan Nekokara	Primary	30.69004 71.89526	77	Muhammad Imran	0332-6006862
171	GMPS Kacha Kabira	Primary	30.69085 71.85533	203	Iqbal Baigam	0345-3253284
172	GES Kharanwala	Middle	30.7934 71.9517	235	Muhammad Azhar Iqbal	0333-6763027
173	GPS Basti Hasnana	Primary	30.78033 71.93396	108	Muhammad Arshad	0335-7134868
174	GMPS Noshehra	Primary	30.75097 71.91523	164	Attia Batool	0305-5387543
175	GES Hassu Wali	Primary	30.878256 72.046856	540	Muhammad Shoaib	0333-6084182
176	GPS Aputh Janjiana	Primary	30.993733 72.102116	157	Farrakh Mehmood	0345-7616784
177	GPS Nawab Pur	Primary	30.879734 72.035183	110	Muhammad Riaz	0306-8181905
178	GMPS Mouza Ali Khanana	Primary	30.64872 71.77772	160	Kalab Ali	03476893014
179	GMPS Bela Surbana	Primary	31.020893 72.129587	193	Allah Ditta	03356697031
180	GES Mehram Sial	Middle	31.021905 72.152817	761	Abdul Majeed	0345-5192952
181	GPS Basti Meharban Shah	Primary	31.087051 72.17607	106	Sumayya Kauser	0344-8151041
182	GMPS Wali Mohammad Jhandir	Primary	30.6383 71.7602	112	Muhammad Zafar	03336763805
183	GMPS Faqir Sial	Primary	30.6370997 71.8099022	211	Mulazim Hussain	03336766471
184	GHS Samandoana	High	30.6335 71.74607	478	MuHAMMAD Rafeeqe	0333-6767692

S#	Name	Institute type (School / College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
185	GGHS Samandoana	High	30.63319 71.74505	623	Farrukh Tehsin	0333-0765545
186	GPS Shah Alamwala	Primary	30.7513 71.82742	142	Muhammad Raza Shah	0300-7733326
187	GGPS Islam PurNashaib	Primary	31.01178 72.04916	138	Asifa Batool	03029302850
188	GMPS Islam PurFaraz	Primary	31.00584 72.04762	128	Fauzia Tabassum	0334-7016848
189	GGES FatehPurPirrity	Middle	30.99608 72.02659	463	Sadia Ul Hussain	0310-7927289
190	GHS Mud Rajbana	High	30.92.23 71.97408	563	Faisal Sultan	0303-5152155
191	GGPS Mian Jalal	Primary	30.86213 71.92359	123	Gulzar Naseem	0333-6767093
192	GGPS Mehmood Shah	Primary	30.87577 71.93109	154	Farzana Mukhtar	0345-3971014
193	GGPS Basti Sultan Wali	Primary	30.91272 71.9666	104	Abida Batool	0332-1674214
194	GGPS Mumtaz Abad	Primary	30.8706 71.92965	92	Nazia Khatoon	0332-6255705
195	GMPS Basti Hannani	Primary	30.85403 71.92641	128	Khalid Parveen	0301-7227207
196	GPS Islam Wala	Primary	30.98037 72.02512	251	Mumtaz Hussain	0300-7500912
197	GHS Neko Kara	High	30.97766 71.87135	512	Muhammad Inam	0302-7507677
198	GGPS Islam Wala	Primary	30.70823 71.78757	90	Khazina Mai	0302-7935892
199	GHSS Kalyar Wala	High	31.04804 71.96727	408	Shaukhat Ilyas	0333-6507117

ANNEX V:LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S #	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/Earthquake
1	Shakkar Ganj Sugar Mills LTD.	Sargodha Road Bhone, Jhang	X: 314634.18 Y:721550.06	Chemical	Abdul Hanan 0315-7430969	Medium	Flood,Fire
2	Haq Bahoo Sugar Mills	18-Hazari Layyah Road	X: 31728.98 Y:72419.33	Chemical	Aish Muhammad 0300-7820090	Medium	Flood,Fire
3	Hunza 2 Sugar mills	18-Hazari Layyah Road	X: 31641.19 Y:72338.96	Chemical	Muhammad Khuram 0300-9605300	Medium	Flood,Fire
4	Three Star Rice Mills	18-Hazari Layyah Road	X: 31741.36 Y:72438.68	Biological	Muhammad Ikram 0333-6733397	Medium	Flood,Fire
5	Saif Ur Rehman Cotton Factory	Bhakkar Road,DAL wala More	X: 311221.92 Y:72211.35	Biological	SaifUrehman 0300-6500980	Medium	Flood,Fire
6	Chela Rice Mills	Bhakkar Road Wasu Astana	X: 311053.15 Y:72451.99	Biological	Ch. Shams ud Din Manager 03027695938	Medium	Flood,Fire
7	Daal Mills	Dal More, Bhakkar Road Jhang	X: 311215.40 Y:72219.10	Biological	Ghulam Abbas 03336733882	Medium	Flood,Fire

Note: Biological Factors i.e. Greenhouse Effect, Chaloroflorocarbons and Pollutant etc.

ANNEX VI:LIST OF NGOs WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National , Internat ional)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Contact Person Name	Contact Person Mobile
1	Al-Fazal Welfare Foundation,	Local	Shah Jewna	Health & General Welfare	Ghulam Raza	0333-4302664
2	Blood Brother & Blood Donor Association,	Local	Jhang.	do....	Sayd Shahbaz Ali	0333-6732855
3	Hope Welfare Foundation	Local	Akrianwala	do....	Ghulam Rasool	3453310778
4	Ismail Welfare Society	Local	Satellite town Jhang	do....	Shamas Irshad	047-7620549
5	Patients Welfare Society	Local	DHQ Hospital, Jhang	do....	Sh. Muhammad Nawaz Akram	0321-6509509
6	Patients Welfare Society	Local	THQ Hospital , Shorkot	do....	Rana Muhammad Ishfaq	0333-6767611 0345-7600593
7	Rehman Welfare Society	Local	Basti Lohly Shah, Jhang	do....	Abdur Rehman	0347-8734201
8	Life Blood Donors and welfare society	Local	Shorkot Cantt	Health,women welfare	Dr. Shafiq Ahmad	0333-6754643
9	Pehchan Welfare Foundation	Local	Green Town Toba Road Jhang	Health	Umar DrazSajid Khalid Mehmood Sajid	0311-7795135
10	Anjuman Islah-e-Moashra, Nika Dultana, Jhang.	Local	Nika Dultana, Jhang	General Welfare	Rana Muhammad Shahid	0335-6990054
11	Faiz Bukhat Welfare Society, Toba Road,Jhang	Local	Toba Road Jhang	Women Welfare	Muhammad Zeeshan	0322-7701214
12	Global Welfare Organization Mazari Town Mandi Shah Jewana	Local	Mandi shah Jewana	Women Welfare	Haji Ameer Muhammad Khan	0343-1862414
13	IdaraTaraqi-e-Khawateen,	Local	Civil Line Jhang	Women Welfare	Mrs.Yasmin Akram	0321-6500777
14	Jhang Educational & Environmental Team (Jeet) (Development	Local	Jhang	Education and General Welfre	Syed Majid Zaman	0321-2755555

	Organization) Garrison Cadet School					
15	Mauj-e-Darya Welfare Organization	Local	Darbar Sheikh Johar, Jhang	General Welfare	Hafiz Nazakat Ullah Shah	0345-7612895
16	Prisoner Welfare Society	Local	District Jail Jhang	Prisoner Welfare	Muhammad Zahid	0300-6500486
17	Tehreem Welfare Organization	Local	satellite Town Jhang	General Welfare	Farzana Perveen Balooch	0333-6752269
18	Amina Welfare Foundation Mohallah Chandan Wala St. # 3 Jhang	Local	Chandan Wala muhallah Jhang	...do...	Muhammad Riaz	3425806118

Annex VII: Contact list of stakeholders/ departments

Sr. No	Name	Department/ Division/ District	Designation	Telephone No		Mobile No.	Fax No.	Email I.D
				Office	Residence			
1	Maryam Khan	S&GAD	Commissioner Division FSD	041-9201717	041-9201701	0304-0920054	041-9201703	commfsd@punjab.gov.pk
2	Muhammad Usman Ali	S&GAD	Addl:Comm (Rev) FSD	041-9201715	-	0312-4947076	-	
3	Amir Raza	S&GAD	Addl:Comm (Coord) FSD	041-9201707	-	0333-4399217	-	-
4	Ali Akbar Bhindar	S&GAD	Deputy Commissioner	047-9200081	047-9200201	0304-0920080	047-9200100	dcojhang@gmail.com
5	M.Bilal Iftikhar Kiyani	Police	D.P.O Jhang	047-9200444	047-9200103-104	0334-4640501	047-9200444	-
6	Dr. Imtiaz Mohsin	S&GAD	ADC (Revenue), Jhang	047-9200107	047-9200276	0333-4870905	-	-
7	Khurram Shahzad Bhatti	S&GAD	ADC (G), Jhang	047-9200010		0300-4700824	-	-
8	Umar Sarwar	S&GAD	Assistant Commissioner, Jhang	047-9200433	-	0346-5101103	-	acofficejhangy433@gmail.com

9	Shazia Rehman	S&GAD	Assistant Commissioner , Shorkot	047-5310171	-	0321-0388844	-	acshoolxot@gmail.com
10	Waqas Zafar	S&GAD	Assistant Commissioner , Ahmed Pur Sial	047-5340111	-	0300-6945955	-	-
11	Hassan Nazeer	S&GAD/D A	Assistant Commissioner , 18 Hazari	047-7645732-33	-	0304-0000237	-	-
12	Shoukat Ali	Revenue	Tehsildar, Jhang	-	-	0300-8312227	-	-
13	Imran Mehdi	Revenue	Tehsildar, Shorkot	-	-	0300-4186185	-	-
14	Imran Mehdi	Revenue	Tehsildar, Ahmed Pur Sial	-	-	0300-4186185	-	-
15	Imran Mehdi	Revenue	Tehsildar, 18 Hazari	-	-	0300-4186185	-	-
16	Aqsa Ghafoor	DRTA	Sec. DRTA	047-9200038	-	0306 6502044	-	
17	Dr. Ahmad Shahzad	Health	CEO Health, Jhang	047-9200139	-	0304-0925314	-	ceodhajhang@gmail.com
18	M. Shahid	Health	DSI	047-9200139-122	-	0313-7018786	-	
19	Dr. Mian M.Ahsan Saliyana	Health	DHO	047-9200122	-	0345-2001412	-	dhopsjhang@gmail.com
20	Dr. Ahsan Salyana	Health	DDHO, Tehsil Jhang	047-9200121	-	0345-2001412	-	Xs2zainpirzada@gmail.com
21	Dr. Saeed	Health	DDHO, Tehsil Shorkot	0475-310978	-	0333-5685952	-	Rehantahir495@gmail.com
22	DR. Rana Mehmood	Health	DDHO AP SIAL	-	-	0302-5304848	-	
23	Dr. Mubashir	Health	DDHO, Tehsil 18-Hazari	-	-	0321-2483613	-	Drsaifasjad@gmail.com
24	Dr. Sadaf Naqvi	Health	MS, DHQ Hospital	047-9200120	-	0345-1603333	-	
25	Dr. Maria Imdad	Health	MS, THQ Shorkot	0475-310971 0475-311302	-	0332-5447213	-	
26	Dr. Mumtaz Ahmad Nadeem	Health	MS, THQ AP Sial	-	-	0300-6374490	-	drumtaznadeem@gmail.com

27	Dr. Rana Mudassar	Health	MS, THQ 18-Hazari	-	-	0334-6305476	-	drzafarhassan@gmail.com
28	Tanvir Ahmad Ghazali	Education	CEO Education, Jhang	047-9200128	-	0332-6085022	-	deajhanggpb@gmail.com
29	Ch Fiaz Ahmad	Population	District Officer	047-7621911	-	0300-7926139	-	-
30	Tahir Abbas	Bureau of Statistics	Statistical Officer	047-9330006	-	0301-3967510	-	-
31	Muzamil Raza	P & D	Deputy Director	047-9200277	-	0300-794377	-	-
32	Dr. Khalid Mehmood	Agriculture	Deputy Director	047-9200289	-	0333-6598575	-	ddajhang@gmail.com
33	Ch M. Afzal	Forest	DFO	047-9330047	-	0300-6377301	-	dfojhang@gmail.com
34	Rana Gulfam	IPW&M	District Officer	047-9200273	-	0300-8083143	-	doipwmjg@gmail.com
35	Abdul Shakoore	Social Welfare	Deputy Director	047-9200280-81	-	0333-6871525	-	
36	Muhammad Tahir	Rescue 1122	DEO Jhang	047-9200179	-	0300-7508853	-	DEOJHANG.PESD@gmail.com
37	Muhammad Amin	Rescue 1122	Station Coordinator	047-9200275-105	-	0314-3160323	-	Fahimamin221078@gmail.com
38	Shamim Ahmad Khan	Environment	Assistant Director	047-7501431	-	0341-1017541	-	doe.jhang786@gmail.com
39	Dr. Ihsan Akbar	Livestock	Additional Director	047-7630952 047-7631152	-	0300-6760523	-	adljhang@gmail.com
40	Mehmood Gill	Civil Defence Jhang	DO (Civil Defence)	047-9330036	-	0300-7938406	-	cdo.jhang@gmail.com
41	Imtiaz Ahmad	Local Government	ADLG	047-9200129-30	-	0300-7507761	-	ddljjhang@gmail.com
42	Muhammad Ramzan	Food Department	District Food Controller	047-9200237	-	0345-4651914	-	-
43	Kashif Fayyaz	PHED	XEN	047-9200308	-	0345-7940638	-	mark391397@gmail.com
44	Azhar Haneef	Highway	XEN	047-9200149	-	0305-4620262	-	cdojhang@gmail.com
45	Mushtaq Habib	Building	XEN/SDO	047-9200090	-	0300-7501066	-	-
46	Hafiz Muhammad Umer	Irrigation	XEN Jhang Canal	047-9200300	-	0334-6095161	-	-
48	Aftab Asfanyar	Irrigation	XEN Trimmu	0477-647200	-	0300-0762038	-	Xentrimubarrage@gmail.com

49	Imtiaz Ahmad	LG&CD	DDLJ Jhang	-	-	0300-7507761	-	-
50	Asim Hussain	LG&CD	ADLG Shorkot	-	-	0308-8597725	-	-
52	Naveed Ahmad	LG&CD	ADLG A.P Sial	-	-	0311-1424031	-	-
53	Naveed Ahmad	LG&CD	18-Hazari	-	-	0311-1424031	-	-
54	Hassan Hamza	Irrigation	SDO Trimmu	0477-647200	-	0316-6224684	-	xentrimubarrage@gmail.com
55	Yasir Munir	Irrigation	XEN Sargodha Canal Division	048-9230409	-	0300-0147499	-	-
56	Zafar Abbas Zafar	LG	Chief Officer, MC Jhang	047-9200344-45	-	0345-7901805	-	-
57	Waleed Usman	LG	Chief Officer MC Shorkot	0475-311301	-	0333-7322527	-	-
58	Muhammad Asif	LG	Chief Officer MC 18 Hazari	0475-340020-26	-	0300-7501786	-	Mc18hazar@gmail.com
59	Saleem Iqbal Shah	LG	Chief Officer, MC G.M Raja		-	0301-5035608	-	-
60	Saleem Iqbal Shah	LG	Chief Officer MC A.P Sial		-	0301-5035608	-	-
61	Muhammad Saqib	D C Office	Computer Programmer	047-7620064	-	0335-7505356	-	dcojhang@gmail.com
62	Ijaz Hussain	Post Office	Senior Post Master Superintendent	047-9200070-75	047-9200072	0313-6993191	-	cpmjpojhang@yahoo.com
63	Mudassar Ali Shaikh	FESCO	SE FESCO	9200220		0345-1500352	-	
64	Ali Imran	FESCO	XEN Sultan Bahu Division	047-9200450	-	0370-1813360	-	-
65	Rao M. Inam ul Haq	FESCO	XEN Jhang I	047-9200224	-	0370-1813310	-	-
66	Sajid Parvaiz	FESCO	XEN Jhang II	047-9200230	-	0370-1813340	-	-
67	Javaid Iqbal	PTCL	District Manager	0477-623899	-	0333-6739009	-	-
68	Malik Zafar	Police	SP Investigation	047-9200094	-	0300-7507464	-	-

69	Wajid Bharwana	Police	DSP (Special Branch)	047-9200325	-	0300-9800226	-	-
70	Saeed Akhtar	Police	DSP (Traffic)	047-9200311	-	0321-5353959	-	-
71	Atfal Ahmad	Police	DSP (City)	047-9330001	-	0347-0175714		
72	Zahoor Khan	Police	DSP (Saddar)	047-9330003	-		-	-
73	Ausaf Safdar	Police	DSP (Legal)	047-9200060	-	0300-4462491	-	-
74	Muhammad Akram	Police	DSP (Shorkot)	047-5310898	-		-	dspshorxetjng@gmail.com
75	Rana Naeem Yasin	Police	DSP (A. P. Sial)	047-5340016	-		-	-
76	Abid Javaid	Police	DSP (18-Hazari)	047-7645011	-		-	
77	PS Kotwali	Police	-	047-9200316	-	-	-	-
78	PS City Jhang	Police	-	047-9330029	-	-	-	-
79	PS Satellite Town	Police	-	047-9200058	-	-	-	-
80	PS Sadar Jhang	Police	-	047-9200313	-	-	-	-
81	PS 18-Hazari	Police	-	047-7645010	-	-	-	-
82	PS Qadir Pur	Police	-	-	-	-	-	-
83	PS Massan	Police	-	-	-	-	-	-
84	PS Mochiwal a	Police	-	047-7642100	-	-	-	-
85	PS Shorkot City	Police	-	0475-310698	-	-	-	-
86	PS Shorkot Cantt.	Police	-	0475-500898	-	-	-	-
87	PS Warram Wala	Police	-	0475-362098	-	-	-	-
88	PS Ahmad Pur Sial	Police	-	475340010	-	-	-	-
89	PS Garh Maharaja	Police	-	0475-320510	-	-	-	-
90	Wireless Control	Police	-	047-9200066	-		-	-
91	Police Line	Police	-	047-9200083	-	-	-	-

92	Rescue 15	police	-	047-9200405	-	-	-	-
93	Khidmat Markaz DHQ	police	-	047-000461	-	-	-	-
94	DEOC		-	047-9330005, 047-9330057	-	-	-	-

Annex VIII : List of volunteers (Rescue 1122)

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Mian Imtiaz Khan Janjua	33202-8833333-9	Mouza Kot Khaira Jhang	0316-4241119	O+ve	4-6 hours
2	Haseeb Ur Rehman	33202-7237833-9	Mouza Kot Khaira Jhang	0348-5446743	A+ve	-do-
3	Muhammad Rizwan	61101-2429670-7	Ward No 5 Jhang City	0300-5243985	B+ve	-do-
4	HabibUllah Khan	33202-5560465-7	Mouza Kot Khaira Jhang	0344-3561070	B+ve	-do-
5	Muhammad Parvaiz Akhtar	33202-442776-3	basti chaman pur moh bagh wala jhang	0315-6502420	B+ve	-do-
6	Sohail Shahzad	33202-3607760-1	Mouza Kot Khaira Jhang	0326-5100303	AB+ve	-do-
7	Muhammad Hasnain Raza	33202-7329761-9	House No 487 Rana Colony	0346-7200678	B+ve	-do-
8	Muzamil Abbas	33202-9791536-1	Chak Noor Shah Jhang	0348-6090867	B+ve	-do-
9	Nouman Akhter	33202-0781698-5	Chak Noor Shah Jhang	0347-6913374	B+ve	-do-
10	Malik Ahsan Ullah	33202-6272717-9	Chak Noor Shah Jhang	0345-7605772	AB-Ve	-do-
11	Naveed Ashraf	33202-4496108-5	Chak Noor Shah Jhang	0343-0207867	O+ve	-do-
12	M.Irfan	33202-7987518-1	Chak Noor Shah Jhang	0316-7507390	B+ve	-do-
13	Numan Shareef	33202-2890702-1	Chak Noor Shah Jhang	0314-7560183	A+ve	-do-
14	M.Adnan	33202-5107640-1	Chak Noor Shah Jhang	0345-7844512	B+ve	-do-
15	M.Safdar	33202-5618275-5	Chak Noor Shah Jhang	0347-6339122	A+Ve	-do-

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
16	M.Mudassar	33202-0286882-5	Chak Noor Shah Jhang	0348-7392932	B+ve	-do-
17	M.Akbar	33202-8097830-7	Chak Noor Shah Jhang	0310-7736604	A+ve	-do-
18	M.Bilal	33202-2351313-5	Chah Tibba Basti Moran Wali Jhang	0314-4920129	B+ve	-do-
19	Asif Yar	33203-3562295-7	Chk No 494JB P/O Shorkot Tehsil Shorkot	0346-4851580	A+	-do-
20	Muhammad Imran Rathoor	33203-2652252-7	Nawan Sher Shorkot city	0300-5130917	O+	-do-
21	Asif Hayat	33202-1596615-5	P/o Kari wala	03455468544	O+ve	-do-
22	Muhammad Zahid	33203-7617763-9	Chah Khabary wala Shorkot Junobi	0301-9683865	A+	-do-
23	Mohsin Bilal	33203-1004249-3	Chah GHamy wala Shorkot Junobi	0318-7442408	O+	-do-
24	Muhammad Aqeel	33203-2241456-5	Qaim Bharwana Shorkot	0313-7245008	A+	-do-
25	Shahid Iqbal	33203-1175403-1	Chk No 487JB Shorkot	0343-4929587	AB+	-do-
26	Muhammad Arslan	33203-1315469-1	Mouza Bhangoo shorkot	0321-7981034	O+	-do-
27	Nuhammad Najeebullah	33203-8555147-5	Shorkot City	0308-1302497	A+	-do-
28	Zeshan Haider	33203-7410836-5	Shorkot city	0349-4843612	B+	-do-
29	Muhammad Kashan Javed	33203-9356400-7	Shorkot Mohla Kachkota	0309-7973268	O+	-do-
30	Muhammad Kaleem Ullah	33203-8640647-5	Housing Colony Shorkot	0319-4264702	O+	-do-
31	Muhammad Hamza	33203-4366163-1	Shorkot city	0317-7450190	B+	-do-
32	Muhammad Riwan Zafar	33203-2293942-3	Shorkot city	0335-1886517	O+	-do-
33	Muhammad Awis	33203-2568412-1	Shah Sadiq Nehang Shorkot	0313-7508324	A+	-do-
34	Muhammad Burhan	33203-7059776-7	Mohala Madan Wala Shorkot	0324-7843611	O+	-do-

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
35	Faisal Bashir	33203-2662462-1	Shah Sadiq Nehang Shorkot	0318-7508324	B+	-do-
36	Muhammad Naveed	33203-9681098-9	Adda Merick Sial Shorkot	0332-2182520	B+	-do-
37	Shahid Imran	33203-8362068-5	Budhuana Shorkot	0348-7905370	B+	-do-
38	Frasat Iqbal	33203-5605835-5	Budhuana Shorkot	0303-0516130	O+	-do-
39	M.RamzanAsad	33202-1350066-1	MouzaBaghar	0346-2205619	B+ve	-do-
40	Amjad Ali	33204-0619921-9	Mouza Kot Mapal Ap Sial Jhang	0305-6276933	B+ve	-do-
41	Aon Raza	33204-0756166-7	Mouza Tango Ap Sial Jhang	0301-7266522	O+ve	-do-
42	Safeer Hussain Khan	33204-0439053-1	Chah Bohar Wala Ap Sial Jhang	0300-7505279	B+ve	-do-
43	Rohail Asghar Khan	33204-0414767-7	Chah Bohar Wala Ap Sial Jhang	0312-7400449	O+ve	-do-
44	Ali Raza	33204-0465633-5	Basti Muhammad Shah Moza Anayat Shah	0309-6185341	A+ve	-do-
45	Tanveer Abbas	33204-0481127-3	Basti Sewa Mouza Sewa Sadaat	0306-1047000	B-ve	-do-
46	Naveed Akhtar	33204-0437618-3	Basti Hussain Abbad Mouza Tangu	0301-4580812	O+ve	-do-
47	Sohail Abbas	33204-0456103-7	Mohala Khaima Sadaat Garh Maharaja	0306-5518122	O+ve	-do-
48	Liaqat Ali	61101-4549710-9	Haveli Gul Shah	0346-7390949	B+ve	-do-
49	Waseem Sajjad	33204-0464985-3	Haveli Jaiwan	0307-2189407	B+ve	-do-
50	Muhammad Abbas	33204-0438462-5	Kacha Paka Haveli Jaiwan	0305-1001119	O+ve	-do-
51	Muhammad Hassnain	33204-0609523-9	Peer Abdul ur Rehman	0302-7231061	B+ve	-do-
52	Ghulam Abbas	33204-0670643-1	Chak No 5/2L Garh Maharaja	0305-3894056	O+ve	-do-
53	Khalid Bashir	33204-0355178-7	Chak No 5/2L Garh Maharaja	0306-8457400	AB-ve	-do-

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
54	Mazhar Abbas	33204-0465126-9	Hussaina Abad Mouza Tangu	0301-3538857	AB+ve	-do-
55	M. Talha Rehman	33202-3358187-5	Wasu	0319-2601734	B+ve	-do-
56	M. Anas	33202-3801210-3	Kotli Bakir Shah	0339-4461419	B+ve	-do-
57	Ghulam Mustafa	33202-4410222-3	Wasu	0342-7285073	A-ve	-do-
58	Mukhtar Muhi Ul Din	33202-0113879-9	Wasu	0312-19901255	AB+ve	-do-
59	M. Arslan	33202-2993626-5	Wasu	0346-6050270	B+ve	-do-
60	M. Waseem Ul Hassan	38104-1020716-5	Munir Abad	0344-1077686	B-Ve	-do-
61	Ali Haider	33205-0437359-7	18-Hazari	0305-6371197	O+ve	-do-
62	M. Hamza	33202-1097251-1	18-Hazari	0343-5994620	A+ve	-do-
63	Fiaz Ahmad	33205-0409979-9	Wasu	0344-1587604	AB-ve	-do-
64	Zeeshan Qamar	38104-2683693-7	18-Hazari	0347-7937355	B+ve	-do-

ANNEX IX : LIST OF VOLUNTEERS (CIVIL DEFENCE)

Sr. No.	Name of Volunteer	CNIC No.	Address	Contact No.	Blood Group	Time required being on board
1.	Samar Abbas Jaffari	33202-3851701-3	Basti Amir Town Sargodha road Jhang	0346-7385986	O+	45 mints
2.	Muhammad Saqib Akbar	33202-6439723-1	Ali Town Sargodha road Jhang	0310-7075984	O+	-do-
3.	Saqlain Haider	33202-3209717-1	-do-	0344-4547074	A+	-do-
4.	Muhammad Ijaz	33202-1284420-5	Basti Amir Town Sargodha road Jhang	0313-7281912	B+	-do-

5.	Muhammad Iqbal	33202-2719896-3	Basti Amir Town Sargodha road Jhang	0312-8526606	O+	-do-
6.	Muhammad Sahkeel	33202-4196057-3	-do-	0342-0071670	A+	-do-
7.	Muhammad Ihsan	33202-5780370-5	-do-	0310-7456175	B-	-do-
8.	Muhammad Saqlain	33202-4045839-3	-do-	0346-4392030	AB+	-do-
9.	Muhammad Mudassar	33202-5215770-4	-do-	0346-7383632	O+	-do-
10.	Syed Saqib Raza	33202-9178075-7	-do-	0347-0020394	B+	01 Hour
12.	Muzamil Siddique	33202-9291411-5	-do-	0347-7019950	A+	-do-
13.	Muhammad Iqbal	33202-8372665-9	-do-	0343-7643189	B-	-do-
14.	Raheel Haider	33202-6701638-1	-do-	0345-7026545	B+	-do-
15.	Hasnain Abbas	33202-2294827-9	-do-	0344-4622915	O+	-do-
16.	Waseem Abbas	33202-0637239-3	-do-	0341-7794832	B-	-do-
17.	Muhammad Numan	33202-2734705-7	-do-	0347-7585355	O+	-do-
18.	Gulam Shabbir	33202-9752661-3	Chak Chishtia Fsd. Road Jhang.	0341-8671370	B+	01 Hour
19.	Ghulam Shabeer	33202-3362076-6	Mohallah Harmal Pur, Jhang.	0343-0810292	A-	45 mints
20.	Saif-ur-Rehman	33202-6549123-9	Chah Mochiwala Chiniot Road Jhang.	0343-7922206	B+	01 Hour
21.	Muhammad Imran	33202-7808905-7	Mohallah Hasnana Jhang Sadar	0303-7419535	A+	45 mints
22.	Muhammad Shehzad	33202-5335721-3	-do-	0311-7204112	B-	-do-
23.	Muhammad Chand	33202-2848407-1	-do-	0313-7203695	B+	-do-
24.	Muhammad Shafqat	33202-0691940-5	-do-	0312-6411778	O+	-do-
25.	Muhammad Azam	33202-6491436-1	-do-	0314-4929380	A-	-do-
26.	Muhammad Ghulam Fareed	33202-1602194-3	-do-	0313-7346175	AB+	-do-

27.	Gulzar Ahmed	33202-1341470-1	-do-	0305-7662279	B-	-do-
28.	Muhammad Ramzan	33202-1409317-7	-do-	0313-1717437	A-	-do-
29.	Muhammad Shafique	33202-9444723-1	-do-	0315-7391740	O+	-do-
30.	Muhammad Arshad	33202-5891557-1	-do-	0311-7379694	A-	-do-
32.	Gulzar	33202-1177749-3	Wapda Colony Chiniot Road Jhang.	0346-7261197	B+	-do-
33.	Muhammad Ilyas	33202-6104899-5	-do-	0346-7261198	O+	-do-
34.	Rashid Iqbal	33202-4274719-1	Amir Town Sargodha road Jhang	0347-1745723	A-	-do-
35.	Ahmad Raza	33202-2279447-5	House No.205/A chambli market Jhang	0346-7270047	B+	-do-
36.	Adnan Khizar	33202-3241057-9	Mouza Khanoanan, Nikka Doltana, Tehsil & District Jhang.	0314-3919669		-do-
37.	Hamid Lateef	33202-1380631-9	House No. 70, Amir Colony, Jhang	0300-6507822	B-	-do-
38.	Muhammad Imran	33202-6429560-1	Katchi Abadi, Basti Dewan Wali, Jhang City.	0341-8215380	A+ve	-do-
39.	Pehlwan Khan	33202-1386075-7	Chiniot Road, Khayaban City, Jhang	0341-8782712	B+	-do-
40.	Saleem Akhter	33202-1283830-7	Gojra Road, Jhang	0342-4584181	B+	-do-

41.	Muhammad Tauqeer	33202-9413306-7	Chak No. 254 JB, Gojra Road, Jhang	0342-7529519	B+	-do-
42.	Shajar Abbas	33202-8127208-9	Basti Shaheed Abad, P/O Machiwal Teshil 18-Hazari Jhang	0347-5256669	O negative	-do-
43.	Shahid Iqbal	33202-8633362-9	Mohallah Loolhy Shah, Jhang	0315-7095822		-do-
44.	Waqar Muhmmad	33202-7347909-5	Chak No.263 p/o 262 kot Bhojuana Jhang.	0341-7267577	B-ve	-do-
45.	Muhammad Touseef	33202-9593008-1	Chak No.254 p/o chak No.255 Jhang	0342-5310726	A+ve	-do-
46.	Mohsin Raza	33203-0450843-5	Basti Farooq abad, Haveli Bahadur Shah Tehsil Shorkot Jhang.	0342-5709382	B+ve	-do-
47.	Nasir Hussain	33202-1425954-5	Gali Imam Bargh wali Sargodha road Jhang.	0313-7506991	B+ve	-do-
48.	Abid Hussain	33202-9489383-7	Gali Union Council wali Mouza Bagh Jhang	0342-5465078	AB+ve	-do-
49.	Muhammad Ilyas	33204-0379971-5	P/O Hassu Balail, Tehsil AP sial Jhang.	0301-7909992	O+	-do-
50.	Qaiser Abbas	33202-1322667-1	Amir Town, Sargodha road, Jhang	0346-7385986	B+ve	-do-

ANNEX X: LIST OF SWIMMERS/DIVERS

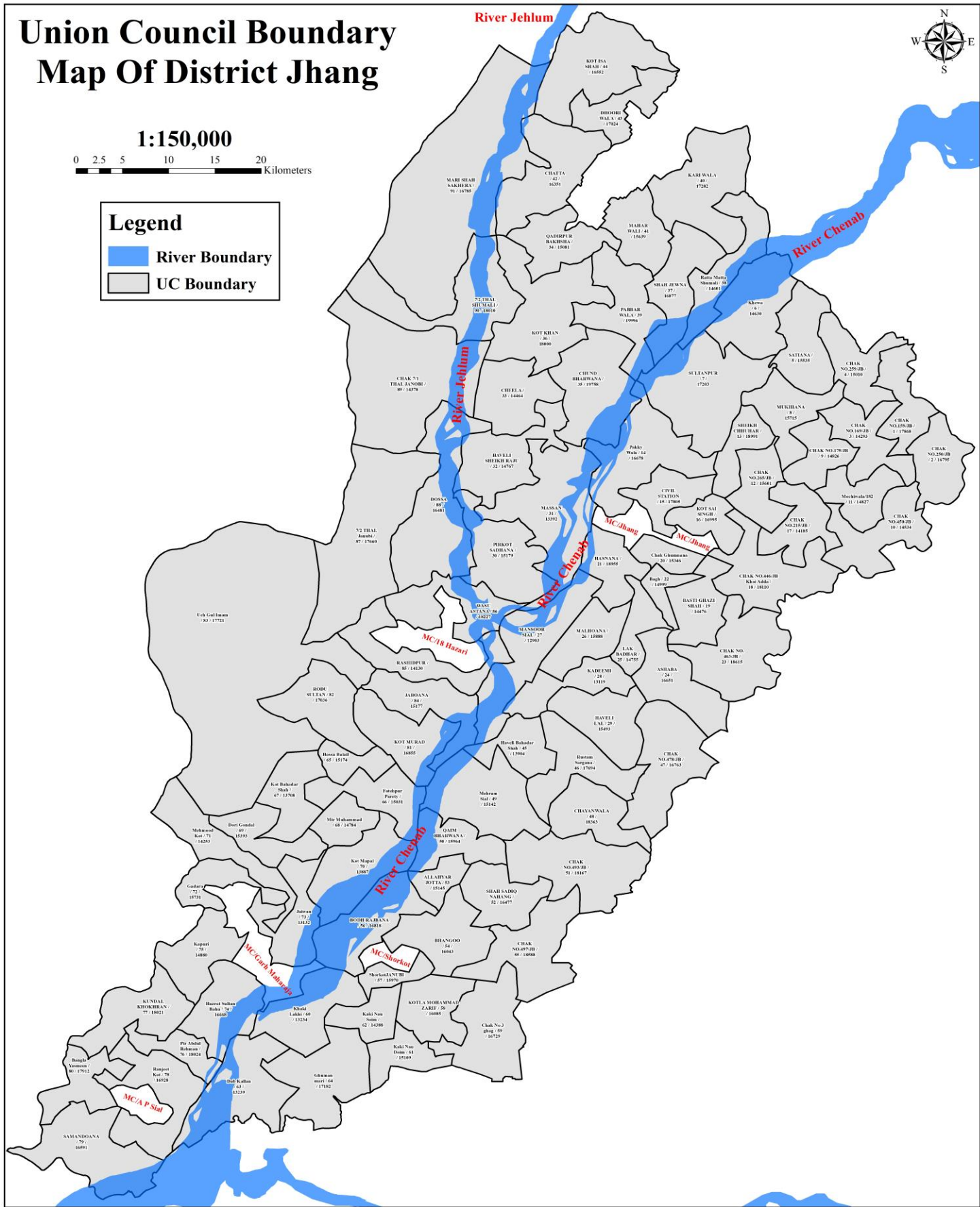
Sr.No.	Name	Designation	CNIC	Address	Blood group	Contact number	Time required to be on board ddd
1	Ghulam Mustafa	FDR	33202-9281895-9	house No.923 Moh Bhabhrana JGH	B+	0312-5507605	On Call
2	Sana Ullah Shabir	FDR	33202-1706228-1	Fiaslabad Road Moh Jalabad	A+	0342-7919254	On Call
3	Qamar Zia	FDR	33202-7962846-5	Cha Dan Wala Moza Lak Badhar JGH	A+	0346-2451122	On Call
4	Muhammad Ashraf	FDR	38101-5423350-7	Basti Shahwaiz Inayat abad Bhakhar	O+	0302-5077878	On Call
5	Rab Nawaz	FDR	33202-8318725-1	Moza Kot Khaira Bhakar Road	B+	0343-0699062	On Call
6	Akhter Jalil Shah	FDR	33202-6624366-3	Dar Ul Sakina Road JgH	AB+	0343-7935354	On Call
7	Naeem Ul Hasan	FDR	33202-8175776-1	Cha Budhar Wala Madduki JGH	AB+	0345-7597767	On Call
8	Muhammmad Rizwan	FDR	33202-6439709-7	MoH -Musa Abad purana Chinot Road JGH	B+	0314-6501111	On Call
9	Muhammmad Saleem	FDR	33202-4171103-3	Gojra Road 6 Meel	B+	0315-5602632	On Call
10	Muhammad Adnan Ramzan	FDR	33202-6916950-9	Gulshan Colony JGH	O+	0333-6737268	On Call
11	Rana Waris Ali	FDR	33202-2848538-3	New Sabaz Mandi JGH	AB+	0313-8551122	On Call
12	Akher Abbas Khan	FDR				0305-7184442	On Call
13	Asif Saeed	FDR	33202-3259745-7	Puran Chinot Road Near Alwahid Mart JGH	A+	0340-6411229	On Call
14	Muhammad Nadeem	FDR	33202-7725317-9	Basti Rusool abad Muadduki Road JHG	B+	0312-2741122	On Call
15	Muhammad Imran Anwar	FDR	33202-9944916-3		A+	0343-7719298	On Call
16	Muhammad Usman Saeedf	FDR	33202-4630302-1		O-	0332-6294357	On Call
17	Nasir Khan	FDR	33202-1411115-1	Moza Kalyar Rodu Sultan 18Hazari JGH	A+	0302-4807877	On Call
18	Kholid Ahmad	FDR	33202-6104536-9	New Sabaz Mandi Street No.4 JGH	O+	0333-2424994	On Call
19	Muhammad Nafees	FDR	33202-4454039-5	Basti Sheni Wali ward No7 Jhang City	AB+	0314-7618305	On Call

20	Amir Nawaz	FDR	33202-2379857-3	Moh Bag Wala Block Shah Road Jhang	B+	0315-7473732	On Call
21	sajjad Haider	FDR	33202-9477308-3	cha bair wala ali abad JGH	O+	0344-4876200	On Call
22	Muhammad Sohail Akhtar	FDR	33202-7073354-3		AB+	0300-7501642	On Call
23	Syad Asad Abbas	FDR		Chak no 223 lakhana JGH		0345-9791122	On Call
24	Shahzad asim	FDR		Block shah JGH		0300-7502556	On Call
25	Muhammad Safder	FDR	33202-5673209-7	Rodu sultan JGH	AB+	0346-7902661	On Call
26	Muhammad Imran	FDR	33204-0368570-9	Moza kapori Ahamad pur Sial JGH	O+	0301-3966450	On Call
27	Muhammad Javaid Iqbal	FDR	33202-6070295-3	Kaliyar Wala post office Rodu sultan	B+	0300-5195671	On Call
28	Tayyab Rehman Kiani	FDR	33202-4705297-9	Moh sarey Ward No 4 Shor kot City	B+	0301-7151122	On Call
29	Nasir Abbas	FDR	33202-8609747-3		B+	0333-8311594	On Call
30	Zummurd Abbas Sajid	FDR	33203-9015090-9	Moza Noshehra Post Office Khaki Lakhi Shor kot city	O+	0334-6500918	On Call
31	Tahir Abbas	FDR	33203-4594222-5	Basti Ameer Shah Shor Kot City	O+	0300-6391634	On Call
32	Muhammad Riaz	FDR	33403-3410261-9	Tehseel shor kot JGH	O+	0333-8581262	On Call
33	Muhammad Hasan	FDR	33203-5943075-9	Kakkino tehsel Shor Kot	B+	0300-7503142	On Call
34	Khurram Shehzad	FDR	33202-3449103-1	Mohalla Ghosia JGH	B+	0302-7501732	On Call
35	Ghazanfer Abbas Khan	FDR		Moza Lashari Tehseel 18 Hazari		0345-5551122	On Call
36	Muhammad ata ur Rehman	FDR		Chambeli Market JGH		0315-7674052	On Call
37	M-Usman Saeed	FDR	33202-4630302-1	House No-392 Mohalla Dhup Sari JGH	O+	0332-6294357	On Call
38	Naeem ul Hassan	FDR	33202-8175776-1	Ch Bohr Wala Moza Pindi Madduki JGH	AB+	0345-7597767	On Call

ANNEX XI: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA- 108	Sahibzada Muhammad Mehboob Sultan	MNA	0300-8013374	PP-125	Ghulam Ahmad Gadi	MPA	0300-6500567
NA-109	Sheikh Waqas Akram	MNA	0308-5555300	PP-126	Mehr Muhammad Nawaz Bharwana	MPA	0346-4914045
NA-110	Sahibzada Ameer Sultan	MNA	0333-3850061	PP-127	Sheikh Muhammad Akram	MPA	0321-6500111
				PP-128	Ghazanfar Abbas Qureshi	MPA	0300-8633352
				PP-129	Mian Muhammad Asif	MPA	0300-6505453
				PP-130	Rana Shahbaz Ahmad	MPA	0303-3777777
				PP-131	Muhammad Azam Chella	MPA	0300-8116696

ANNEX XII: POLITICAL CONSTITUENCIES MAP (UCS)



Source: DDMA, Jhang

ANNEXXIII: LOCAL GOVERNMENT**District and Tehsil Level**

S#	Designation	District/ Tehsil Name	Name	Contact Number	Mobile Number
1	CO Dstrict Council Jhang	Jhang	Muhammad Akram	047-9200016	0345-6501111
2	CO Municipal Committee	Jhang	Zafar Abbas Zafar	047-9200182	0345-7901805
3	CO Municipal Committee	Shorkot	Waleed Usman	047-5311301	0333-7322527
4	CO Municipal Committee	G.M Raja	Syed Saleem Bukhari		0300-6327306
5	CO Municipal Committee	A.P Sial	Syed Saleem Bukhari	047-5340020-26	0300-6327306
6	CO Municipal Committee	18 Hazari	Muhammad Asif	047-7645067-68	0300-7501786

ANNEX IV: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

S#	Name ofFarmer	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 XV: 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 XVI: 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	10,000

		embankment to Zafarwala Kingra road	
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	Burla 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 XVII: 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 XVIII: 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.