

DISTRICT DISASTER MANAGEMENT PLAN 2020

Division: SARGODHA

District: MIANWALI



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XX

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



of total population

Risk: High

XX

Estimated number of people at risk of Flood in 2020



of total population

Risk: Medium

XX

Estimated number of people at risk of earthquake in 2020



of total population

Risk: Low

XX

Estimated number of people at risk of epidemic in 2020



of total population

Risk: Medium

EXECUTIVE SUMMARY

Indus River runs through Mianwali District and generally hit approximately 20 Mouzas at low-medium level flood. Moreover, number of hill torrents and river kurram during rainy season attributes to the main stream of Indus river. In view of the land characteristics, during monsoon / summer season, the Kacha areas situated along the banks of River Indus and kurram are generally hit by high floods. Whenever there is high flood in Indus River, it disturbs the entire social, economics, communication and agriculture system of this District. High Flood in Indus River generally causes disturbance both in urban and rural areas of the District. Sacred duty of protecting and providing relief to the flood affected people, various departments and NGOs go a long way in augmenting flood relief, evacuation and rehabilitation efforts. By the Grace of Almighty Allah all relevant departments are fully prepared, alert and vigilant under the chairmanship of Worthy DC Mianwali to cop up any disaster.

AIM AND OBJECTIVES

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

The main objectives of the plan include:

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

DISTRICT PROFILE

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1.	Population	1,546,094
2.	No. of Tehsils	3
3.	No. of UCs	51
4.	No. of Revenue Estates	256
5.	Population Density (people per km ²)	260
6.	Family Size	4
7.	Population Growth Rate	2.02
8.	PCI	2736.4777
9.	District GDP/Annual Income	
10.	Poverty Rate	46%
11.	Population/Doctor Ratio	1000/1
12.	AMR	..
13.	IMR	77/1000 live births
14.	MMR	140/100,000 live births
15.	Literacy Rate	57%
16.	Global Acute Malnutrition (GAM) rate	15%
17.	Severe Acute Malnutrition (SAM) rate	6.4%
18.	Percentage of population having access to clean drinking water	87
19.	Annual Crime(Punjab Development Statistics)	2829

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1,546,094	774,060	771,995	.	.	.

Source/Note: Census 2017

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks& Morter)
148837	52605	96232

Source/Note: Census 2017

Area (Acres)

Total Area of District in Acres	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
1426000	850823

Source/Note: Agriculture Department

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
60%	71%	43%	80%	61%	73%	47%

Source/Note: Education Department

Government Schools: 1233

		Schools
Total/ Overall		540
Boys	Primary	365
	Middle	91
	High	84
Girls	Primary	551
	Middle	77
	High	51
Co-Education	Primary	Nil
	Middle	Nil
	High	Nil
Special Education		07

Private Schools: 416

		Schools
Total/ Overall		387
Boys/Girls	Primary	135
	Middle	175
	High	77
Girls	Primary	.
	Middle	.
	High	.
Co-Education	Primary	.
	Middle	.
	High	.
Special Education		

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Technical	Commerce	Total
No of Institution	15	1	11	3	30

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	9	1	0	3	13
Annual OPDs	318029.	1295626	0	280	1613935
No of beds	65.	31	0	35	131
Doctors Available	42	438	0	12	492
Paramedical staff	82	225	0	43	350
Ambulances available	0	5	0	1	6
Mobile Medical Units	3	0			3

Livestock: Small Animals (goats, sheep etc.):.584738

Big Animals (cows, buffalos, camel etc.). 431958

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
60%	4%	1%	1%	15%	5%	10%	4%	5%	15%	%

Disaster History - Floods (since2010)

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	2010	461,472	12	126	163,218	107,190	20000 (each)	
2	2011	Low Flood						
3	2012	Low Flood						
4	2013	64,124	0	10	12,825	3,206	0	-
5	2014	Normal Flow						
6	2015	15,420	4	95	56	1,299	0	-
7	2016	Low Flood						
8	2017	No Affectees reported						
9	2018	Low Flood						
10	2019	Low Flood						

Disaster History – Other disasters (since 2010)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	2015	Earth Quack	1	1	0
2	2015	Heavy Rain/Hill Torrent	3,807	1	0
3	2015	Aircyclone incident in Mouza Doaba	49	0	0

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Attock, Bhakkar, Chakwal, Dea Ismail Khan (KPK), Khusgab, Lucky Marwat (KPK)
Topographical Features	Mianwali district covers an area of 5,840 square kilometres (2,250 sq mi). The area in north is a continuation of the Pothohar Plateau and the Kohistan-e-Namak. Southern side of the district is a part of Thal Desert. Indus River flows through the district.
Weather/Climate pattern	e.g. max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. Temperature: Max 52 °C, Min 3 °C Annual precipitation/Rain Fall 385 mm Storms, heat waves, etc.
Major Rivers	<ol style="list-style-type: none"> 1. Indus River (length: 112 Miles) 2. Kurram River (20KM)
Major Nullahs / Hill Torrent/Streams	<ol style="list-style-type: none"> 1. Jabba Nullah) 2. Chichali 3. Adwala 4. Baroach 5. Rakka 6. Darsola
Motorway/Highway	Vulnerable points of motorway/highway <ol style="list-style-type: none"> i. Mianwali-Muzaffar Garh Road (MM Road), ii. Mianwali-Sargodha-Lahore Road, iii. Mianwali-Talagang Road, iv. Mianwali-Bannu Road, v. Mianwali-Chashma-D I Khan Road
Railways	No Vulnerable points of Railway
Geological features	e.g. fault line, mountainous areas etc. <ol style="list-style-type: none"> i. Koh-e-Suleman Range ii. Jehlum to Kalabagh (Salt Range) iii. Kalabagh to Isa Khel (Surger Range) iv. Chashma to Kundal (Koh-e-Hindu Kash Range).

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
Namal		X:32.665072 Y: 71.802252	630MCF	1175	-	-

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/ vulnerable Points	GPS Location of Critical/ Vulnerable Points
Left guide bund U/S	2.26				X: 32.9186191, Y: 71.530958
Left guide bund D/S	2.08		-	-	X: 32.912761 Y: 71.525753
Right guide bund U/S	1.5		-	-	X: 32.924492 Y: 71.513690
Right guide bund D/S	3.6		-	-	X: 32.917773 Y: -71.513871
Left marginal bund	.33		-	-	X: 32.915953 Y: -71.533626
Right marginal bund	035		-	-	X: 32.924598 Y: -71.511407
T-Head spur off-taking R.D.6500 R.M.B	No. = 115' each, No.= 145' Each 4 No. = 40 each		-	-	X: 32.936468 Y: 71.508579
Canal Colony Protection Bund	1.1		-	-	X: 32.905472 Y: -71.557569
Hocky Spur Near village Beyo Syedan	2.3 4.6	-	-	-	X: 32.639214 Y: -71.293909
Flood Protection Bund Along river Kurram (i) RD: 8+5 00 - 19+ 500 (ii) RD: 46+ 000 - 61+ 000	.36	-	-	-	X: 32.612666 Y: -71.202929 X: 32.640494 Y: -71.300250

Stone Guide wall River Kurram	65 each	-	-	-	X: 32.608548 Y: -71.167867
Plug Bund Nullah Broach.	.15	-	-	-	X: Y: -
J-Head Spur at Village Kahloon	.67	-	-	-	X: 32.415133 Y: 71.401110
J-Head Spur at Village Bhakra	.8				X: 32.389277 Y: 71.409378
Guide Spur at Alluwali	.70				X: 32.371263 Y: 71.402432
Protection Wall at Alluwali	.72				X:32.367179 Y: 71.401926
Protection Wall at Dhingana	.32				X:32.354895 Y: 71.399407
Solid Stone Stud near village Doaba	.6				X: 32.339367 Y:71.386928
J-Head Spur at Piplan	1.8				X: 32.354895 Y:71.399407
Guide Wall Spur at Piplan	1.41				X: 32. 1703 Y: 71.2104
Guide Spur at Musewali	.64				X: 32. 1542 Y: 71.2010
J-Head Spur at Alluwali (shank portion)	0.28				X: 32.362717 Y:71.399022
Guide Head Spur at 29+000 Dhingana	.45				X: 32.345835 Y:71.389561
J-Head Spur at RD: 35+600 Doaba	1.19				X: 32.331707 Y:71.377234

Breaching Section

Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
Indus	Kot Chandna	X: Y:	No Population is likely to be effected			Kot Chandna	-

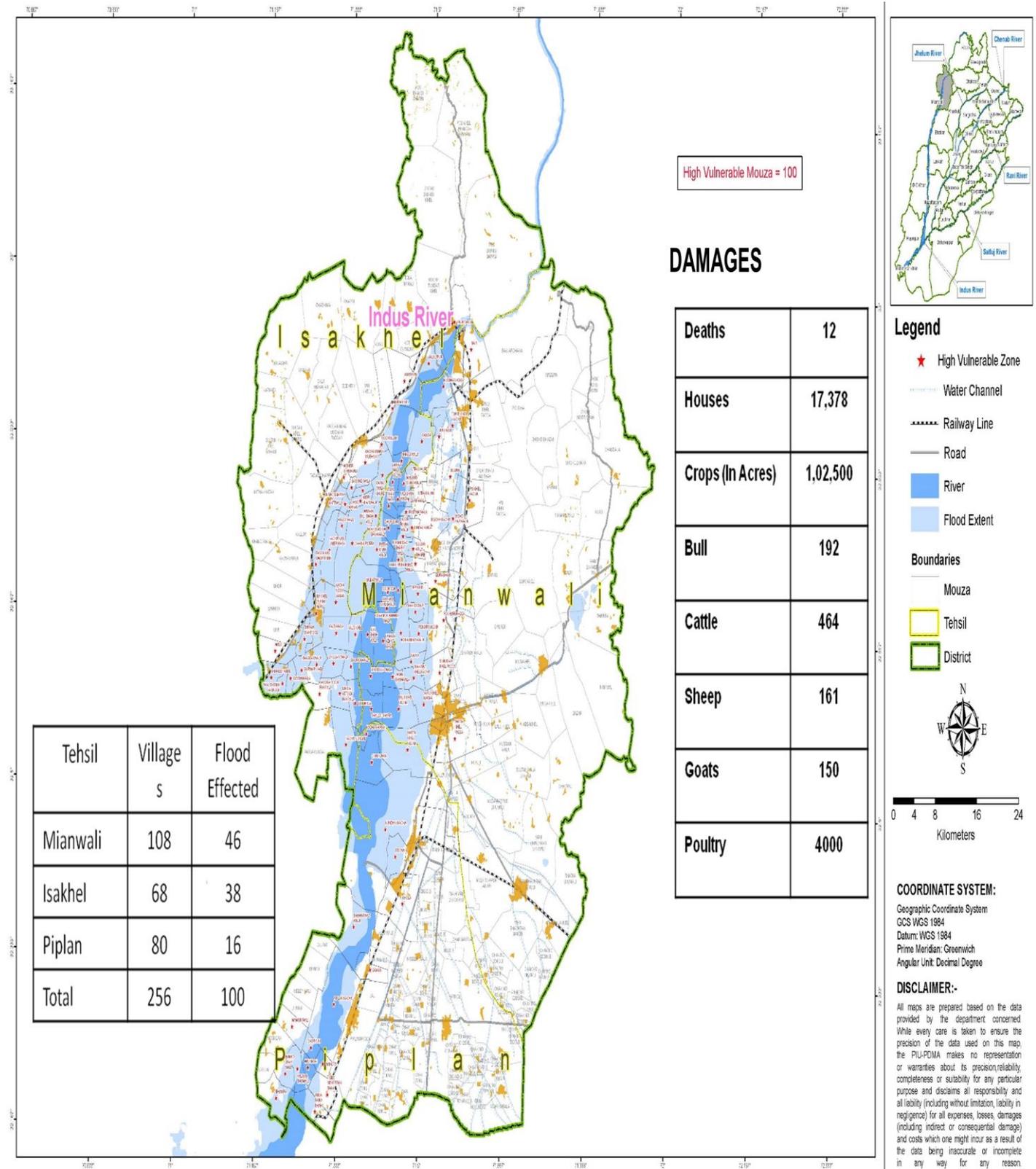
Power Houses/Grid Station/Oil Depot/other sensitive installations

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Jinnah Hydro Power Project	96 MV	X:32.9268835 Y:71.5029624	Grid Station, Liaquatabad, Piplan	132/66 KV	X:32.2844867 Y:71.387044
Trag Grid Station	66KV	X:32.7802619 Y:71.2939117	Chashma Grid Station	132 KV/66 KV	X:32.4386261 Y:71.3712001
Makerwal Grid Station	66KV	X:32.8560516 Y:71.1965494	Chashma Hydro Power Project	184 MV	X:32.4386261 Y:71.3712001

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Flospan, Zila Council Secretariat, Mianwali	.	X:32.583035 Y:71.548009	-	-	X: Y:

District baseline/reference map



PROJECT: Flood Emergency Reconstruction and Resilience Project (FERRP)

Project Implementation Unit
 Provincial Disaster Management Authority
 (PIU - PDMA)
 Government of the Punjab

DESIGN: GIS TEAM
 REVIEWED: TEAM LEAD
 MAP DIMENSION: 33.11" x 23.33" (A1)
 DATE: 21-12-2017

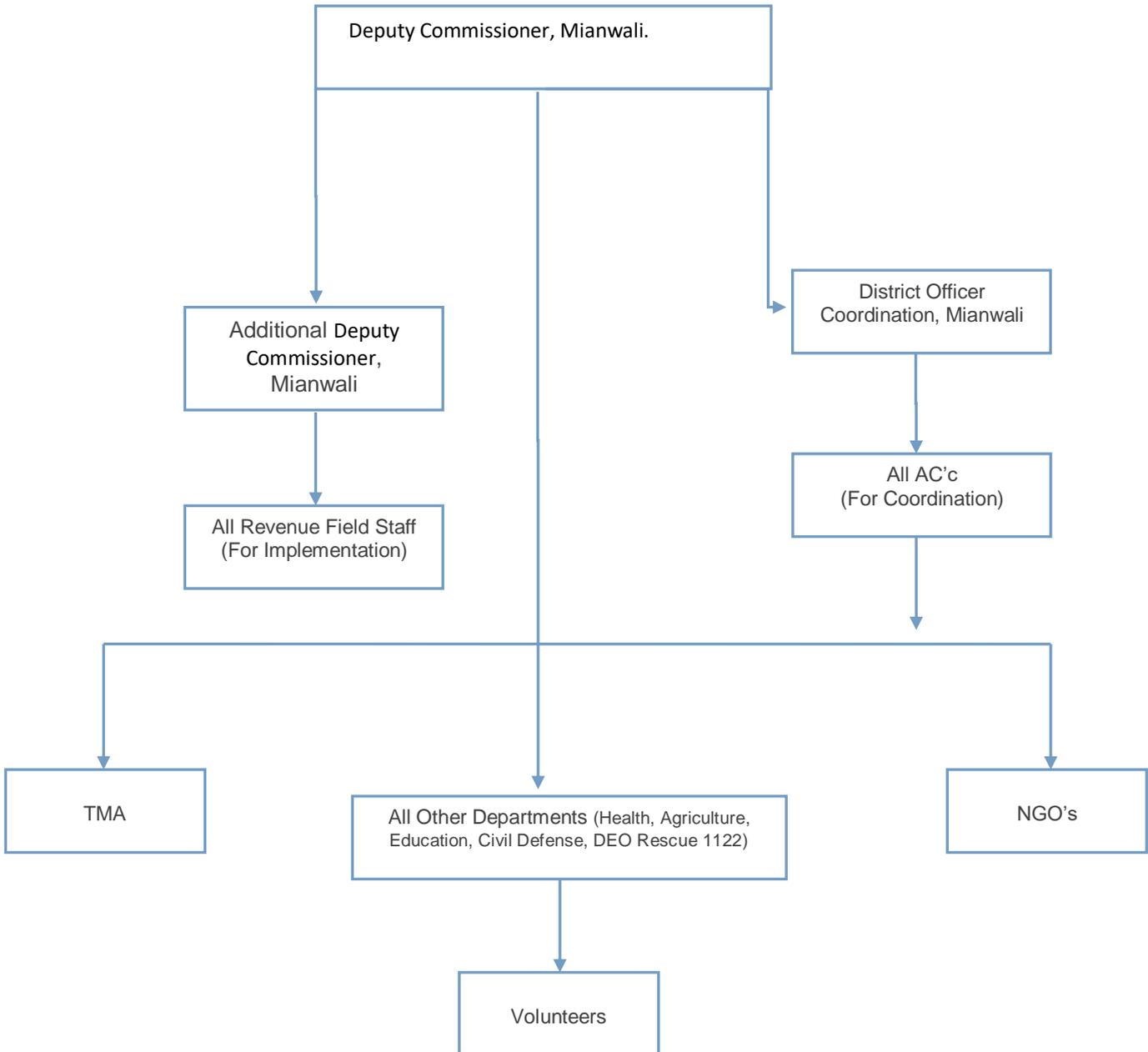
Hazard Map of District Mianwali

DRAWING NO:
777-2016-169

SCALE: 1:235,000
 REVISION: 02

COORDINATION MECHANISM

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



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

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

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

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

District Plan:

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

Additional Powers of District Authority:

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

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

Revenue Department (Functions and Responsibilities)

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

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

should be conveyed to the concerned. The control room should have representatives of concerned departments such as police, health, 1122, and revenue.

- Early warning is critical in saving lives. The local revenue officials along with local police should be deployed to warn the people against the oncoming disaster and to urge them to vacate the disaster prone areas and villages. Loudspeakers, mosque speakers and word of mouth should be used. Banners and posters can also be used.
- Data collection is of prime importance and the senior network administrator should be declared as the focal person for collection of relevant information such as number of casualties, damages to infrastructure, injured, perished livestock etc. for onward submission to PDMA etc.
- Mock exercises should be carried out along with all concerned departments specially 1122, Police, civil defence and Pakistan army regarding the action plan during any emergency or flood. This will give a fair idea about the preparedness of the district.
- Availability of vehicles should be ensured for use during any emergency especially off road vehicles like jeeps.
- Suitable locations should be identified for accommodating armed forces like the Pakistan army. Normally schools, colleges or stadiums are allocated for the armed forces

Checklist for Revenue Department:

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

Tehsil / Town Municipal Administration (TMA)

- Tehsil / Town Municipal Administration (TMA) plays an important role of providing municipal services in the district including clean drinking water, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Tehsil / Town Municipal Administration TMA will provide assistance to the District Government for setting up and management of relief camps/ operations.
- TMAs are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- TMAs are equipped with trucks, water bowsers, tractors, dewatering sets, bulldozers, loaders and dump trucks. All of these equipment are utilized to restore proper sanitary facilities, ensure the delivery of clean water and remove debris or excess water.
- TMAs sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- TMAs employ de-watering sets to remove excess water. All TMAs are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The TMA maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- TMA should ensure supply of clean drinking in overhead reservoirs and ensure supply to the affected areas or relief camps through water bowsers. Clean drinking water is a major issue and requirement during any disaster.
- In case of any disaster that requires people to be relocated, the TMA under the concerned Administrator i.e ADC/AC will assist in the migration of the affected people.

- During the relief effort and subsequent rehabilitation effort the, the local TMAs manpower can be effectively used for the distribution of food and essential commodities among evacuated people or any other relief activity such as provision of cash compensation.

District Disaster Management Authority (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DC. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, TMAs and the Revenue Department form the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his/her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned AC and the TMAs.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers. Immediate action will be taken in each sector / sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Numbardar, Headmaster of the School, Imam Masjid and councillors to make announcements etc.
- The tactical operations would be headed by the Additional Deputy Commissioner (ADC). The ADC would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
 - i. **Deputy Commissioner (Chairperson)**
 1. District Police Officer
 2. Additional Deputy Commissioner, Mianwali
 3. Two Elected Representatives to be nominated by the Chair
 4. Representative of Pak Army
 5. Two Representatives of NGOs/Civil Society to be nominated by the Chair
 6. District Officer (Coordination)
 7. Additional Deputy Commissioner, (F&P)
 8. Chief Executive Officer (Works (Health)
 9. Chief Executive Officer (Education)
 10. Chief Executive Officer (C&D)
 11. SP Special Branch
 12. XEN Irrigation / Public Health
 13. District officer Civil Defense
 14. Administrators of Tehsil Municipal Administrations
 15. All Tehsil Municipal Officers in District
 16. District Emergency Officer, Rescue 1122 (Secretary)
 17. Representative of Red Crescent
 18. Such other District level Officers to be appointed by District Government

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

Role of Rescue 1122 in districts during disaster

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

Pre-disaster Check list for DDMA

- Meeting of DDMA held
- Identification of vulnerable areas
- Identification of Safe places
- Preparation of contingency plan
- Bunds and encroachments visited
- Sites identified for relief camps Evacuation routes/plan
- Safe custody of Government records and essential equipment and their shifting to safer areas on receipt of flood warning
- Enlistment of department wise available resources
- Preparation of list of required relief goods/ items
- Involvement of Volunteers, NGOs and other CSOs
- Designation of Focal Person
- Preparation of District vulnerability map with varying degrees of floods
- Evacuation well in time from vulnerable areas
- Establishment of Camps – All services under one roof
- Flood warning and weather forecast: Loudspeakers announcements
- Establishment of control rooms

- Cancellation of all type of leaves of all employees Designation of Focal Persons
- Assignment of duties and responsibilities of all officers for flood emergency
- Preparation of Telephone Directories with the cell numbers of all the members of DDMA's and volunteers
- No leave during flood days; No official will leave station

Disaster Emergency Control Room (functions and responsibilities)

Establishment of Control Room at District as well as Tehsil level for proper coordination of Revenue Field Staff, Civil Defence, TMAs, Rescue 1122, Health and all other allied Departments for rescue as well as safety of flood affected people. Telephone Nos .Of District Disaster Control Room and Duty Roster will be prepared and displayed when need arises. It would be a three shift duty roster, operating 24/7.

Checklist for Control Room:

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

Checklist for Relief Camp Incharge:

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

Role of Health Department

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

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

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

- To provide first aid to the injured people and arrange evacuation of patients for further assistance.
- Medical camps and mobile health teams should be arranged for prevention and control of communicable diseases, immunization and provision of essential drugs.
- Health department would make a roster of all medical officers and paramedics that would be deployed to these camps and teams.
- Drugs and other medical equipment should be available at all these camps and with mobile teams. The medicine should be for relevant flood related issues, **particularly Anti-snake venom, Anti-rabies.**

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

Civil-Military Coordination Mechanism

Activities Performed.

1. Reconnaissance of breaching section, Jinnah Barrage and Flood protection Bunds.
2. Initial coordination conference by Lt.Col Idrees, CO 73 Punjab in DC office.
3. Coordination with PDMA for mapping of food prone areas.
4. Joint pre flood vedio conference with irrigation department representative in sargodga on 13 May 2020.
5. Resctificatonn of explosive issues i.e NOC and transportation for POF wah and wah Nobel.
6. Coy Engineers also air marked for breaching section demolition in coordination with XEN Kala Bagh.

Deployment:

1. Army troops (1x coy ex 73 Punjsb) avalibale for flood relief operation.
2. 1x Field Coy Engineers battalion (70xall ranks) alongwith avalibale flood relief equipments i.e Boats ,OBM & life jackets will also be deployed.

Volunteer Network

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

Rescue 1122

#	Name	Father Name	PRESENT ADDRESS	CNIC#	MOB #
1	NAVEED ABBAS	AMANULLAH	MAHRI	38302-9339935-5	3426880868
2	SHER JAAN	GUL JAAN	MAHRI	38302-2333844-5	3075511611
3	SYED WAJID HUSSAIN SHAH	SYED SAJJAD HUSSAIN SHAH	MAHRI	38302-9950801-9	3339333512
4	SYED SAJID HUSSAIN SHAH	SYED SAJJAD HUSSAIN SHAH	MAHRI	38302-8385405-9	3006091248
5	SYED SAKHAWAT HUSSAIN SHAH	SYED IRSHAD HUSSAIN SHAH	MAHRI	38302-0577787-1	...

6	ASMAT ULLAH	GHULAM SHABBIR	MAHRI	38302-8609664-7	3039182377
7	AAMIR HUSSAIN	GHULAM HUSSAIN	MAHRI	38302-9893063-5	3051068014
8	MUHAMMAD HASSAN	ZAWAR HUSSAIN	MAHRI	38302-2858788-3	3097697310
9	JAFFAR MUKHTIAR	MUHAMMAD HANIF	MAHRI	37406-7271410-9	3018619424
10	QAISAR ABBAS	MUREED ABBAS	MAHRI	38302-1491791-7	3028120696
11	AMEER HASSAN	NAZAR ABBAS	MAHRI	...	3478764925
12	IFTIKHAR HUSSAIN SHAH			38302-2828547-9	345707328
13	ASIF ALI SHAH	MUHAMMAD ARIF SHAH	MOH. BULAND KHEL	38302-1220226-9	0305-2193067
14	HAJI ADNAN KHAN	ABDUL ULLAH KHAN	DARGAI KHEL	38302-1283254-5	0306-8453633
15	MUHAMMAD YOUNAS	NOOR MUHAMMAD	MOH.BULAND KHEL	38302-3988124-5	0300-2670053
16	ASMAT ULLAH KHAN	HADAIT ULLAH KAN	KHABEER KHEL	38302-9685532-7	0306-6751552
17	QADRAT ULLAH KHAN	AMAN ULLAH KHAN	BULAND KHEL	38302-8916281-5	0302-6692674
18	MUHAMMAD ANSAR KHAN	MUHAMMAD YAQUOB KHAN	WHANDI NOOR MUHAMMAD	38302-476876-5	0306-4701395
19	GHULAM QASIM KHAN	REHMAT ULLAH KHAN	AHMED KHEL	38302-1160229-1	0300-3502566
20	FAIZ ULLAH KHAN	ATTA ULLAH KHAN	HENDAL WALA	37101-97755644-5	0302-5027963
21	AZIZ ULLAH KHAN	HABIB ULLAH KHAN	KHAJA BAD	38302-1246835-5	0302-6352700
22	FARHAT ULLAH KHAN	GHULAM MUSTAFA KHAN	BULAND KHEL	38302-3449990-9	0303-4557601
23	ATIF KHAN	AMAN ULLAH KHAN	DARGAI KHEL	38302-8428017-9	0303-7515240
24	MUHAMMAD TAHIR	SHER MUHAMMAD	KABEER KHEL	38302-9070236-5	0303-7711380
25	MUHAMMAD FAIZ	SHER MUHAMMAD	BULAND KHEL	38302-4414172-1	0304-5093580
26	MUHAMMAD ASIF KHAN	MUHAMMAD AMEER KHAN	ROKHARI MOOR	38302-8316258-1	0306-2214034
27	NADEEM AKRAM	MUHAMMAD AKRAM	ROKHARI MOOR	38302-9333015-7	0305-6962904
28	FAZAL UR REHMAN	GHULAM SARWAR	KHANWALA ROKHARI	38302-3358348-1	0304-6292428
29	SANA ULLAH KHAN	KHNA MUZAFAR KHAN	TERI KHEL	38302-9720735-1	0300-5833038
30	ADAM KHAN	ALAM KHAN	TERI KHEL	38302-7200989-7	0304-5468701
31	MUHAMMAD IMRAN KHAN	GHULAM SARWAR KHAN	KHEWALA ROKHARI	38302-2953833-8	0306-4896190
32	MUHAMMAD IRFAN KHAN	NOOR KHAN	TERI KHEL	38302-1845997-7	0302-3836260
33	MUHAMMAD IMRAN	MUMTAZ ULLAH	ROKHARI MOOR AHMED ABAD	38302-056858-6	0304-0972586
34	ALAM KHAN	MUHAMMAD NAWAZ KHAN	TERI KHEL SHER	38302-1840401-	0308-

				5	4978612
35	MUHAMMAD AKBAR KHAN	SHER BAH DAR KHAN	TERI KHEL	38302-7661762-5	0304-9903640
36	ZAFAR IQBAL	GHULAM RASOOL	AHMED KHAN WALA	38302-6526910-9	0301-3950242
37	ASMAT ULLAH KHAN	HADYAT ULLAH KHAN	SAMAND WALA	38302-9685532-7	0301-6751552
38	MUHAMMAD RUSTAM KHAN	MUHAMMAD ALI KHAN	TURA WALA TERI KHEL	38302-3411573-3	0306-2754685
39	FARAZ KHAN	ZAHEER KHAN	KUNDIAN	38303-8574387-5	3215491478
40	IKRAM ULLAH	ATTA MUHAMMAD	KUNDIAN	38303-0377999-1	3419679266
41	M SAEED	HABIB ULLAH	KUNDIAN	38303-0313926-3	3041935025
42	FAIZ AHMAD	SAID AHMAD	KUNDIAN	38303-6847726-5	3336833183
43	KALEEM ULLAH	M AZEEM	KUNDIAN	38303-0998123-5	3137283399
44	KHURAM SHEHZAD	DOST MUHAMMAD	KUNDIAN	38303-4780595-5	3038285786
45	RASHID	M RAMZAN	KUNDIAN	38303-2593753-5	3075153805
46	SABIR KHAN	M KHAN	KUNDIAN	38303-2757968-7	3014341002
47	RAFAQAT KHAN	HAFEEZ ULLAH KHAN	KUNDIAN	38303-5196435-3	3330621010
48	SULTAN BHATI	ABDUL RAZZAQ	KUNDIAN	38303-4899837-1	3068922066
49	M HAKIM	ABDUR REHMAN	KUNDIAN	38303-2563935-7	3006089342
50	M SANWAL	GULAM RASOOL	KUNDIAN	38303-2275076-9	3400694838
51	HUZAIFA	M AMEER	KUNDIAN	38303-5741002-1	3493533688
52	M TARIQ	ABDUR REHMAN	KUNDIAN	38303-3901800-9	3076953050
53	M ADIL	ABDUR REHMAN	KUNDIAN	38303-1285038-9	3058707361
54	M ATIF	ABDUL MAJEED	KUNDIAN	38303-9052175-7	3492624556
55	QAISAR ABBAS SHAH	SIRAH UD DEEN SHAH	KUNDIAN	38303-4740197-9	3015544046
56	QAISAR HAYAT	ATTA MUHAMMAD	KUNDIAN	38303-8503738-5	3045544046
57	M NOUMAN	ZAHEER ABBAS	KUNDIAN	38303-1763349-9	3072763041
58	WAQAR KHAN	AZIZULLAH KHAN	KUNDIAN	38303-1235027-5	3336045786
59	M SALEEM	M LATIF	KUNDIAN	38303-7700099-9	3117357300
60	M SULTAN	ABDUL RAZZAQ	KUNDIAN	38303-4899837-1	3068922066
61	M HAMZA	M NAJEEB	KUNDIAN	38303-8646044-5	3107442259
62	MUHAMMAD NAZIR	MUHAMMAD AMEER	ALUWALI	38303-7575071-5	0344-6871773

63	MUHAMMAD HANIF	ABDUL AZIZ	ALUWALI MOH.MOLVI KHEL	38303-1017566- 5	0345- 4180517
64	MUHAMMAD RIZWAN	MALIK AHMED SHER	ALUWALI MOH.CHAIRMAN	38303-4769538- 3	0344- 6863462
65	MUHAMMAD HAROON	ABDUL AZIZ	ALUWALI	38303-3966566- 7	0343- 8613123
66	MUHAMMAD SHAKEEL	ABDUL AZIZ	ALUWALI	38303-3167517- 1	0342- 4257348
67	MUHAMMAD ISHFAQ	GHULAM QASIM	ALUWALI NAMBER DAR WALA	38303-5686551- 3	0346- 8622540
68	SAD RASOOL	SULTAN AHMED	ALUWALI QURESHAN WALA	38303-8158504- 5	0341- 7537286
69	MUHAMMAD HAMZA	AMEER NAWAB	ALUWALI RAIY WAY PHATAK	38303-8903369- 5	0300- 2486926
70	MUHAMMAD AMJID	KHALIL AHMED	ALUWALI MAGRABI	38303-4769538- 3	0343- 4920849
71	GHULAM MUJTIBA	MUHAMMASD MURTAZA	ALUWALI BAN SUMBAL	38303-2457052- 9	0341- 8695293
72	MUHAMMAD ARIF	SULTAN SIKANDAR	ALUWALI 1 CHAK	38303-7489270- 3	0340- 0625907
73	MUHAMMAD SAEED	ATTA MUHAMMAD	ALUWALI	38303-1379465- 5	0346- 8611699
74	MUHAMMAD FARMAN	YAMEEN	ALUWALI GHARBI	38303-1017460- 9	0341- 7537286

Civil Defence:

Sr. No	Volunteer Name	CNIC	Address	Mobile Number	Time required to be on-board
1.	M. Aslam Khan	38302-5290386-3	Wandhi Ghund wali, Mianwali	0300- 6093203	04 hours
2.	Malik Ghulam Kamran	38302-2930511-3	Moh. Hashim Shah, Mianwali	0334- 7651697	-do-
3.	Qaiser Shehzad	38302-0287038-5	Moh. Chungi Seelwan , Mianwali	0304- 5976802	-do-
4.	Amir Iqbal	38302-3994099-7	Moh. Shehbaz Khel, Mianwali	0301- 6056601	-do-
5.	Muzamil Hussain	38302-7519360-9	Moh. Chungi Seelwan , Mianwali	0300- 6080564	-do-
6.	Habib Ullah	33202-7482765-9	Moh. Bori Khel, Mianwali	0301- 7807045	-do-
7.	Zulfiqar Ali	38403-95671425- 7	Moh. Ramzan-a-bad, Mianwali	0308- 7874162	-do-
8.	Javiad Abbas Shah	38302-8513423-3	Moh. Alam Khel, Mianwali	0301- 3519842	-do-
9.	Munir Ahmad	38302-3741404-1	Moh. Hashim Shah, Mianwali	0312- 0742026	-do-
10.	Naeem Akhtar	38302-1247888-3	Moh. Yateem khana, Mianwali	0300- 6091608	-do-
11.	Khalid Aziz	38302-5474037-7	Moh. Shareefa-a-bad, Mianwali	0300- 4836883	-do-
12.	Rizwan Abbas Shah	38302-8382234-7	Wandhi Ghund wali , Mianwali	0344- 7070299	-do-
13.	Rehan Abbas Shah	38302-3379682-3	-do-	0345-	-do-

				8639906	
14.	Amir Zaman Shah	38302-6545829-3	-do-	0304-2052330	-do-
15.	Atif Hussain Kazmi	38302-5956448-1	-do-	0300-7217524	-do-
16.	Kashif Kazmi	38302-8702252-3	-do-	0311-7457253	-do-
17.	Aziz-ur-Rehman	38302-6938376-1	Moh. Khanki Khel, Mianwali	0333-6833256	-do-
18.	Jamshaid Khalid Kazmi	38302-1115335-5	Wandhi Ghund wali Mianwali	0302-3959312	-do-
19.	Haji Manzoor Ahmad Khan	38302-1160749-3	Wandhi Ghund wali, Mianwali	0345-6109899	-do-
20.	Zaheer Hussain Shah	38302-1202482-1	-do-	0311-5797824	-do-
21.	Muhammad Ashraf Khan	38302-1180014-7	-do-	0300-6081718	-do-
22.	Malik Muhammad Iqbal	38302-5084962-7	-do-	0344-6865648	-do-
23.	Fateh Muhammad	38302-1082185-1	Moh. Qadir-a-bad, Mianwali	0334-7928032	-do-
24.	Muhammad Zaka Ullah	38302-9330100-1	Village Betian, Mianwali.	0314-3175251	-do-
25.	Asif Iqbal	38302-4393707-3	Moh. Chungi Seelwan , Mianwali	0333-6838744	-do-
26.	Syed Ali Hussain Shah	38302-1144920-9	Moh. Hashim Shah, Mianwali	0314-5910519	-do-
27.	Yasir Iqbal	38302-4952389-5	Moh. Chungi Seelwan , Mianwali	0308-7577169	-do-
28.	Nasir Abbas Shah	38302-5184460-5	Wandhi Ghund wali, Mianwali	0315-7165097	-do-
29.	Nadir Ahmad Khan	38302-6512877-1	-do-	0306-4851498	-do-
30.	Mati Ullah Khan	38302-1222747-3	Village Mail, Mianwali	0333-6822726	-do-
31	M.Noman	38302-1463839-7	Mochh Kacha	03456855358	30 Min
32	M.Khalid	38302-3176064-7	Mochh Kacha	03327682142	1 Hour
33	Asim Khan	38302-1672185-7	Mochh Kacha	03027277290	45 Min
34	M.shoaib	38302-7895188-7	Mochh Kacha	03078099045	1 Hour
35	Aamir iqbal	38303-8341594-5	Mochh Kacha	03444611109	1 Hour
36	Asad Naveed	38302-3281333-9	Tari Khail Kacha	03151001011	45 Min
37	Aman Ullah	38302-1183436-3	Tari Khail Kacha	03426933197	30 Min
38	Muhammad Asif	38302-2069143-3	Tari Khail Kacha	03446867798	1 Hour
39	Kamran Khan	38302-3895976-5	Tari Khail Kacha	03016512230	45 Min
40	Fazal Rehman	38302-7174832-7	Tari Khail Kacha	03016512230	45 Min

41	Nasir Iqbal	38302-7515099-3	Rokhari Kacha	03013080950	1 Hour
42	M.Muzamil	383027857189-7	Rokhari Kacha	03167089520	1 Hour
43	Aamir Aziz	38302-6674238-7	Rokhari Kacha	03086357680	45 Min
44	Qasim Khan	38302-1239866-7	Rokhari Kacha	03067811116	45 Min
45	Hamza Khan	38301-7484299-9	Rokhari Kacha	03447974727	1 Hour

RISK ANALYSIS

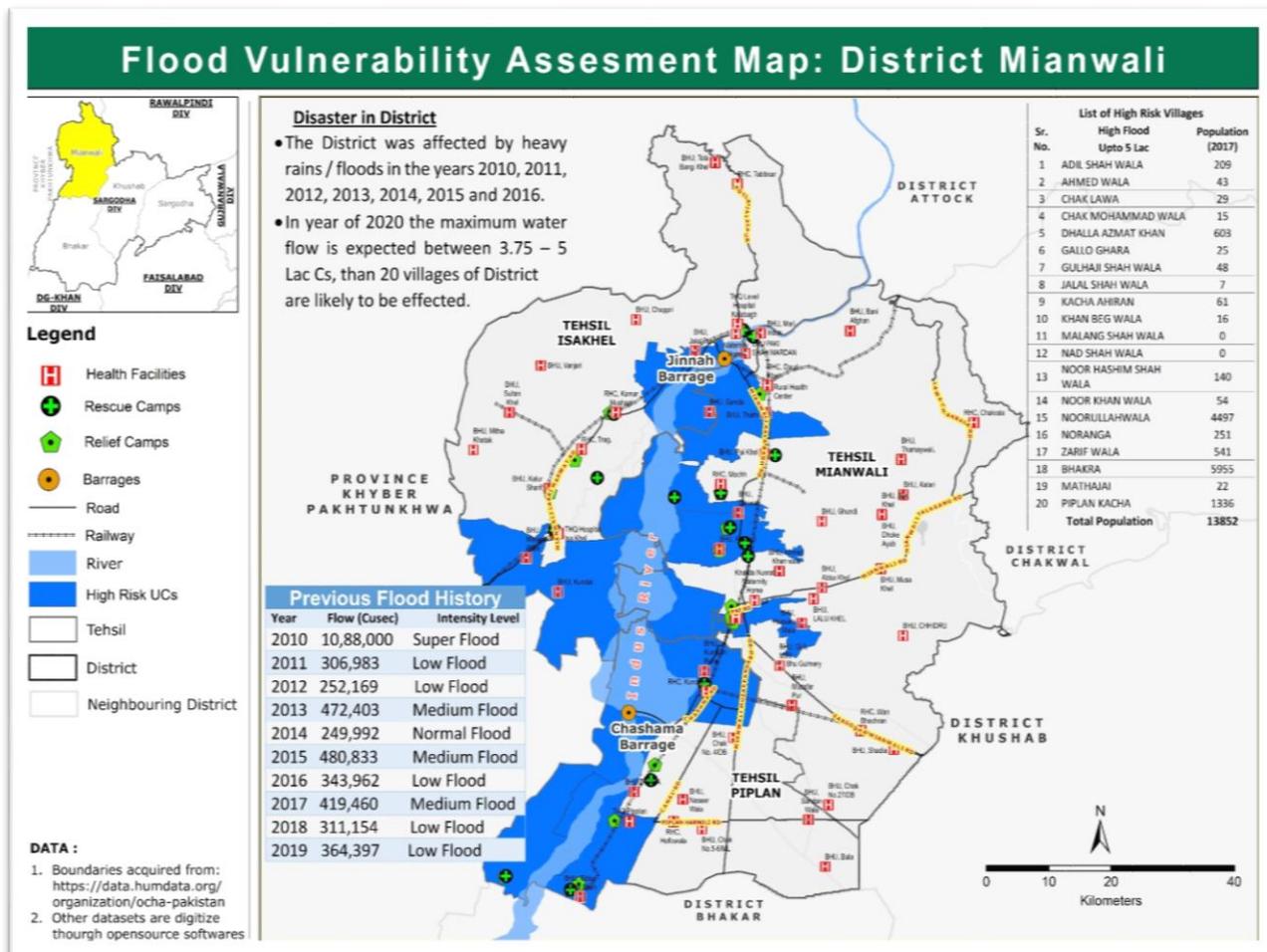
1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	4	3	15-25
Urban Flooding	3	2	8-14
Flash Floods	3	3	8-14
Hill Torrent	4	4	15-25
Glacial Lake Outburst Flood (GLOF)	-	-	-
Landslide	3	1	8-14 Danger of road blockage at Mauza Jal, Tehsil Piplan
Tornado	3	1	1-7
Earthquake	1	1	1-7
Drought	2	2	1-7
Epidemic	1	1	1-7
Fire Incidents	1	1	1-7
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	1	1	1-7
Environmental Hazards (industrial accidents, severe pollution etc.)	4	4	15-25

Risk = Impact x Likelihood

Low : 1-7
 Medium : 8-14
 High : 15-25

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



3. 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 at various points at Tehsil.
- Availability of human Medicines and veterinary medicine facilities in flood affected areas.
- Rescue operation during flood.
- Provision of food items and tents to the flood affected areas.

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	27	27	-	10
OBM	27	27	-	10
De-watering sets	42	36	06	01
Navigators	-	-	-	02
GIS devices	-	-	-	01
Life Jackets	284	.	-	200
Life Ring	145	.	-	15
Life Lines	NIL	-	-	08
Scuba diving suit with complete accessories	03	-	-	05
First Aid Kits	-	-	-	20
Rescue Bag	.	.	-	08
Safety Harnesses	01	.	-	04
Ambulances	21	.	-	-
Fire Brigade	03	.	-	-
Water Tanks / Bouzers	01	.	-	-
Extendable Ladders	-	.	-	-
Hydraulic Cutter	01	.	-	-
Sonar Rader	-	-	-	-
Jumping Sheet	.	.	-	-
Dumpers	-	-	-	-
Excavators	-	-	-	-
Cranes	-	-	-	-
Bulldozer	05	-	-	-
Boat Carrier/Trolleys	02	-	-	-
Pickups/Jeeps/4x4 vehicles/Mini Trucks	.	.	-	-
Searchlight	09	..	-	05
Tent	3434	.	-	08
Mosquito Net	671	.	-	10
Plastic Mat	2820	.	-	5
Blanket	-	-	-	10
Any other main relief/rescue equipment	-	-	-	.
Generator Sets	04			
Gas-Cutters				
Hydraulic Cutter	01			

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.)
- Peoples of area kacha have built their temporary shelters / dera jat in farflung areas for cultivation purposes, where rescue and response constraints have been observed due to unavailability of access through roads as well as water.

MITIGATION STRATEGY

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

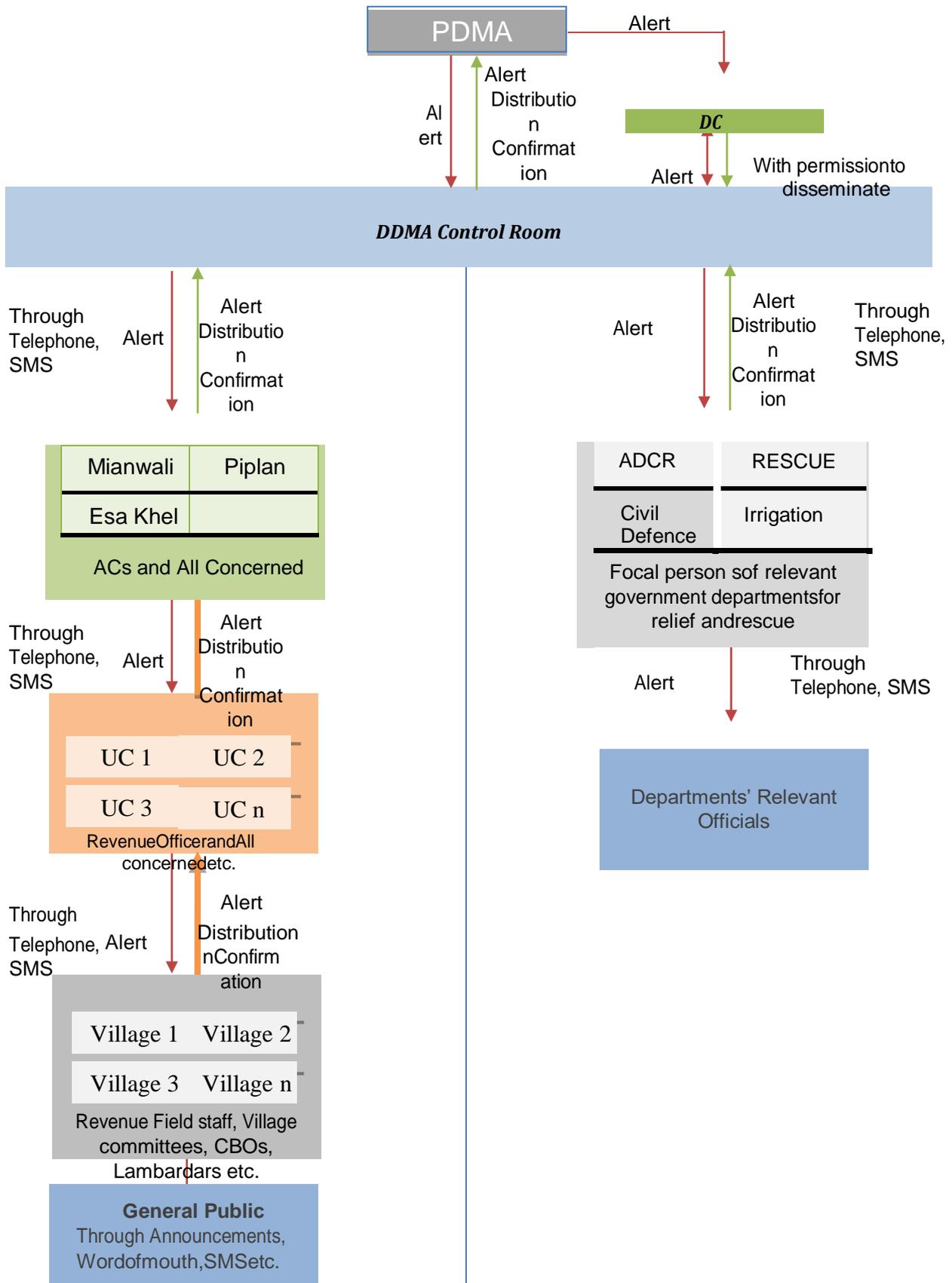
Hazards	Mitigate Actions	Responsible Department
Floods	<ul style="list-style-type: none"> • Proper maintenance and repair work of Bunds at Barrages and safety spurs. • Education awareness to the people of Kacha areas for proper shifting towards the safe areas. • Public awareness through SMS, Irrigation Department Supervision, Wide Publicity, Radio, TV, Print Media and Social Media etc 	All ACs, All Revenue Officers, Information Department, Irrigation Department
Urban Flooding	<ul style="list-style-type: none"> • Proper maintenance and repair work of safety walls adjacent river Indus of urban areas of district. 	All ACs, Irrigation
Flash Floods	<ul style="list-style-type: none"> • Proper maintenance and repair work of guide bunds of Jinnah Barrage, Chashma Barrage and all adjacent area with Katcha in the district to control the level of flood. 	All ACs, Irrigation
Hill Torrent	<ul style="list-style-type: none"> • It should be ensured that no cultivation or population be there in the way of hill torrents. 	All ACs, Revenue Field Staff
Glacial Lake Outburst Flood (GLOF)	-	-
Landslide	<ul style="list-style-type: none"> • Pre-emptive measure should be taken for the safety of the locality as well as people of the area. 	All ACs

Tornado	<ul style="list-style-type: none"> Necessary assistance should be given.. 	All ACs
Earthquake	<ul style="list-style-type: none"> Necessary assistance should be given. 	All ACs, DEO Rescue 1122
Drought	<ul style="list-style-type: none"> Necessary assistance should be given.. 	-
Epidemic	<ul style="list-style-type: none"> Necessary medical treatment/ facilities should be given by special Mobile Health Teams and other allied department. 	All ACs EDO(Health)
Fire Incidents	<ul style="list-style-type: none"> Necessary assistance should be given. 	-
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	<ul style="list-style-type: none"> In time action and response from relevant Departments and necessary assistance should be given. 	All ACs Provinal Building Deptt. District Building Department Rescue 1122 Airforce

Environmental Hazards (industrial accidents, severe pollution etc.)	<ul style="list-style-type: none">In time action and response from relevant Departments and necessary assistance should be given..	All ACs Provinal Building Deptt. District Building Department Rescue 1122 Airforce

EARLY WARNING

Information Flow Diagram



Alertness Levels

Following four levels alertness have been established:

Level-D (Disaster threat is perceptible)

DDMA shall conduct monthly meetings besides at least 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/actions 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 CO and DPO shall grant leave according to the situation.

Activities to be undertaken in level C

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Level-B (High Alert)

(Disaster threat is imminent)

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 has been mobilized as per DDMP. All emergency (health, fire, rescue 1122, TMA etc) facilities shall work 24/7 with full staff strength. DDMA shall monitor the situation on hourly basis.

Activities to be undertaken in level B

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Level-A (Red Alert) (Disaster is materialized)

DDMA shall respond to the emergency immediately and shall carry out rescue and relief operations as define 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.

Alertness Levels

Following four levels alertness have been established:

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

Early Warning

*Briefly describe how the early warning will be received from provincial level?
Who is the focal person at district level?*

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*
- Rescue 1122 and Revrine Police posts will perform immediate evacuation and provide necessary medical assistance.
- *How and when Pakistan Army will be requested to support the rescue activities*
- DDMA chairman will seek assistance from Pakistan army as needed.
- *Camp sites identified? List at Annex I.*
- Availability of phone numbers of boat owners in Katcha areas.

OWNERS OF PRIVATE BOATS

Sr.#	Tehsil	Mauza	Name of Owner	Contact #
1.	Mianwali	Watta Khel Pacca	Akbar Khan S/O Sher Muhammad Khan	0306-3958325
2.	-do-	Fateh Khan Wala	Sultan S/O Ramzan	0306-6964830
3.	-do-	-do-	Sultan Hassan Khan S/O Muhammad Khan	0306-3956893
4.	-do-	-do-	Sher Muhammad S/O Abdul Rehman	0301-7806313
5.	-do-	Muhammad Sharif Wali	Muhammad Rafiq S/O Muhammad Usman	0306-6351943
6.	-do-	Maddat Wala	Noor Muhammad S/O Abdul Rehman	0300-6086781
7.	-do-	-do-	Hameed Ullah S/O Ghulam Rasool	0346-5793374
8.	-do-	-do-	Sher Muhammad S/O Abdul Rehman	0301-7806313
9.	-do-	Dhop Sari	Ghulam Shabir S/O Abdul Aziz	0305-7412985
10.	-do-	Mari Indus	Ijaz Hussain Shah S/O Muhammad Hussain Shah	0344-6859236
11.	-do-	Mari Indus	Noor Muhammad S/O Gul Muhammad	-
12.	-do-	Mari Indus	Ghulam Muhammad S/O Gul Muhammad	-
13.	-do-	Mari Indus	Amer Muhammad S/O Allah Wasaya	-
14.	-do-	Mari Indus	Ghulam Naser S/O Abdul Raheem	-
15.	Piplan	Piplan Kacha	Bashir s/o Ghulam Hussain	0303-7390896
16.	-do-	Do	Manzoor Ahmed s/o Bashir Ahmed	0307-4932753

17.	-do-	Do	Fakhar Aalam s/o Alam Khan	0300-8832284
18.	-do-	Do	Ghulam Yasin s/o Muhammad	0306-7099487
19.	-do-	Ahmed Shah Wali	Pervaiz s/o Raza Muhammad	0341-3246129
20.	-do-		Aman Ullah s/o Allah Bakhsh caste Latifi	0343-6870448
21.	-do-		Aman Ullah s/o Nizam, caste Mohana	0302-6345752
22.	-do-		Muhammad Umer s/o Muzaffar, caste Mohana	0306-6065446
23.	-do-	Shah Nawaz Wala	Muhammad Bilal s/o Faiz Muhammad caste Moha	-
24.	-do-	Matha Jai	Muhammad Amir s/o Gamma	-
25.	-do-	Alluwali	Faiz Muhammad s/o Mehr Muhammad Mohana	0343-4920734
26.			Muhammad Tahir s/o Faiz Muhammad	-
27.	-do-	Dhingana	Iftikhar s/o Faiz ur Rehman	-
28.	-do-	Doaba	Iftikhar s/o Faiz ur Rehman	-

- Availability of phone numbers of Tractor Trolley owners in Katcha areas.

Sr.#	Mauza	Name of Tractor's Owners	Contact Nos.
1.	Watta Khel Pacca	Zaka Ullah Khan S/O Abdullah Khan	0306-3958325
2.	-do-	Najeeb Ullah Khan S/O Habib Ullah Khan	0308-6204525
3.	-do-	Aman Ullah Khan S/O Khan Zaman Khan	0300-7788166
4.	-do-	Akhtar Khan S/O Sher Samand Khan	0306-3951850
5.	-do-	Ramzan Khan S/O Abdullah Khan	0306-3958325
6.	Yaru Khel Pacca	Sher Bahadar Khan S/O Baaz Gul Khan	0342-5514722
7.	-do-	Rafi Ullah Khan S/O Nasar Ullah Khan	0300-6083736
8.	-do-	Abdul Rasheed S/O Abdul Hameed	0315-3965430
9.	-do-	Hameed Ullah Khan S/O Muhammad Khan	0302-3966628
10.	-do-	Ghulam Mahboob S/O Samandar	0306-7811881
11.	-do-	Ghulam Qasim S/O Samandar	0306-6353734
12.	-do-	Haji Saeed Akhtar S/O Muhammad Khan	0300-6096192
13.	-do-	Masood Anwar Khan S/O Anwar Khan	0300-6095880
14.	-do-	Muzafar	
15.	Zalla Shumali	Perveez Iqbal Khan S/O Muhammad Ramzan Khan	0344-6854611
16.	-do-	Ameer Iqbal Khan S/O Muhammad Zaman Khan	0306-7840783
17.	-do-	Saif Ullah Khan S/O Umer Hayat Khan	0300-6082240
18.	-do-	Mahar Zaman Khan S/O Abdul Rauf Khan	0302-3959313
19.	-do-	Mustafa Khan S/O Sikandar Khan	0301-8694065
20.	Mianwali	TMA - 2 Nos.	0459-234659
21.	-do-	Agriculture Department 2 Nos.	0459- 920095/96
22.	Wan Bhachran Janobi	Khan Muhammad S/o Ghulam Rasool Caste Awan	0302-3539249

23.	Wan Bhachran Janobi	Haji Khan Muhammad S/O Muhammad Ameer Caste Jaat Sand	0302-6344083
24.	Wan Bhachran Janobi	Allah Dad S/O Sher Muhammad Caste Ganjhera.	0301-3957598
25.	Wan Bhachran Janobi	Mian Muhammad Ashraf S/O Fazal Kareem Caste Miana	0300-6096118
26.	Wan Bhachran Shumali	Muhammad Ameer S/O Fateh Khan Caste Pathan Sher Gul Khel	0334-7937186
27.	Wan Bhachran Shumali	Inam Ullah Khan S/O Muhammad Sultan Caste Ganjhera	0300-6080245
28.	Wan Bhachran Shumali	Muhammad baksh S/O Haji Muhammad Caste Bhachar	0300-7804925
29.	Wan Bhachran Shumali	Muhammad Akram S/O Muhammad Muzafar Caste Ganjhera	06006088083
30.	Muzafar Pur Shumali	Basher Ahmad S/O Sultan Ahmad Caste Kundi.	0302-3967788
31.	Muzafar Pur Shumali	Nazir Ahmad S/O Ali Muhammad Caste Bharoka	0301-2097914
32.	Muzafar Pur Shumali	Muhammad Iqbal S/O Ghulam Muhammad Caste Kundi.	0308-7895494
33.	Muzafar Pur Shumali	Sultam Mahmood S/O Haji Umer Caste Sand	0301-7806301
34.	Tari Khel Kacha	Sher Khan S/O Abdul Aziz Khan	Nil
35.	-do-	Ghulam Abbas Khan s/o Mawaz Khan	03025600365
36.	-do-	Sadar Khan S/O Muhammad Khan	Nil
37.	-do-	Hansat Ullah Khan S/O Ghulam Sarwar Khan	0301-5544875
38.	-do-	Aftab Khan S/O Sultan khan	Nil
39.	Fateh Khan Wala	Abdul Razak S/O Ghulam Sarwar	Nil
40.	-do-	Faiz Muhammad S/O Ghulam Muhammad	Nil
41.	Muhammad Sharif Wali	Jamshed Shah S/O Noor Muhammad Shah	Nil
42.	-do-	Muhammad Akbar S/O Muhammad Muzafar	Nil
43.	Muhammad Wala	Ghulam Hussain alias Kala Khan	03006091586
44.	-do-	Muhammad Tariq S/O Muhammad Aslam Mamakzai.	Nil
45.	Rokhari Khacha	Alam Khan S/O Faiz Ullah Khan	Nil
46.	-do-	Aman Ullah Khan S/O Amer Khan	Nil
47.	-do-	Atta Ullah Khan S/O Muhammad Hayat khan	Nil
48.	-do-	Asgar Khan Qatalu Khel	Nil
49.	-do-	Zia Ullah Khan s/o Ahmad Nawaz Khan	03006087952
50.	-do-	Ghulam Shabir S/O Wazir	Nil
51.	-do-	Dost Muhammad S/O Ghulam Hussain	Nil
52.	-do-	Baher Ahmad S/O Ghulam Hussain	Nil
53.	-do-	Amer Nawaz S/O Abdul Rehman	Nil
54.	Noranga	Mazhar Ali Shah S/O Ilfat Hussain	Nil
55.	Qureshian	Khan Muzafar Khan S/O Sirdar Khan	0300-6049600
56.	-do-	Rabnawaz Khan S/O Muhammad Baksh	0301-3958946

57.	Daud Khel Pacca	Ameer Abdullah Khan S/O Mahar Khan	0301-5736038
58.	-do-	Khan Zaman S/O Muhammad Zaman	0303-7071673
59.	-do-	Ehsan Ullah S/O Mhar Khan	0302-3373058
60.	-do-	Sana Ullah Khan S/O Fateh Khan	0305-4414575
61.	-do-	Ameer Abdullah Khan S/O Muhammad Khan	0306-3954505
62.	Daud Khel Kacha	Muhammad Asgar Khan S/O Asbar Khan	0301-6083589
63.	-do-	Abdul Kareem S/O Noor Khan	0301-8606053
64.	-do-	Ghulam Muhammad S/O Muhammad Hayat	0303-4352586
65.	-do-	Hafiz Ulah S/O Shafi Ullah	0301-7802116
66.	-do-	Abdul Jabar S/O Ghulam Abbas Khan	0302-3958850
67.	-do-	Wali Dad Khan S/O Ameer Kalam Khan	0301-6351276
68.	Mari	Tajamal Hussain Shah S/O Mohib Hussain Shah	0333-9838314
69.	-do-	Afzal Hussain Shah S/O Sher Bahadar	0300-6080224
70.	-do-	Rajab Hussain Shah S/O Karam Hussain Shah	0347-6959035
71.	-do-	Ghulam Raza S/O Abdul Aziz	0302-8559960
72.	-do-	Sager Hussain S/O Muhammad Din	0343-6871454
73.	Dhair Umaid Ali Shah	Tanver Abbas S/O Ghulam Hasan	0301-6351170
74.	-do-	Haji Sharafat Hussain S/O Ghulam Murtaza	0300-5566592
75.	-do-	Gulzar Hussain S/O Nizam Ud Din	0302-7370102
76.	Thati	Fateh Muhammad S/O Ranjha	0301-3952950
77.	-do-	Riaz S/O Yaseen	0302-3954595
78.	-do-	Rafi Ullah S/O Abdullah	0301-6333208
79.	-do-	Muhammad Khan S/O Ghulam Hussain	0306-5247323
80.	-do-	Zia Ullah Kan S/O Dost Muhammad Khan	0301-2359032
81.	Bokhara	Zaka Ullah S/O Amer Abdullah Khan	0300-5472730
82.	-do-	Muhammad Sakhi Ullah Khan S/O Ghulam Qadir Khan	0302-4050255
83.	Kot Balian	Amer Muhammad S/O Dost Muhammad	0346-5510236
84.	-do-	Amer Hussain Shah S/O Mahar Muhammad Shah	0301-6351633
85.	Wasti Shah Gul Muhammad Wali	Mujahid Abbas S/O Gul Muhammad	0301-6355322
86.	-do-	Toqer Abbas S/O Muhammad Wazir	0301-7807713
87.	-do-	Iqbal Khan S/O Umer Hayat Khan	0301-5049310
88.	-do-	Ghulam Abbas S/O Allah Baksh	0302-7108554
89.	-do-	Saleem Abbas Shah S/O Abdul Sattar Shah	0302-3953843
90.	-do-	Ghulam Haider S/O Ghulam Hurr	0306-6353843
91.	Zareef Wala	Atta Muhammad S/O Ghulam Muhammad	0308-4988974
92.	-do-	Samand Khan S/O Mamrez Khan	0306-5560773
93.	-do-	Aslam Khan S/O Ahmad Khan	0300-6093203
94.	-do-	Dilasa Khan S/O Muqarab Khan	0300-2696510
95.	Pai Khel Kacha	Sher Ahmad S/O Muhammad Akbar Khan	0306-8606190
96.	-do-	Abdul Rehman S/O Muhammad Afzal	
97.	Balian	Manzoor Khan S/O Sher Muhammad Khan	0300-2204535
98.	-do-	Abdul Rehman S/O Barkhud dar	

99.	-do-	Amer Abdullah khan S/O Bahadar khan	
100.	Muhammad Yar Wala	Muhammad Sadiq S/O Ghulam Muhammad	
101.	Mochh Pacca	Wali Dad Khan S/O Allah Dad Khan	0306-8864011
102.	-do-	Shahid Amer Khan S/O Mati Ullah Khan	0300-6095536
103.	-do-	Habib Ullah Khan S/O Abdul Khan	0300-6087805
104.	-do-	Ahmad Khan S/O Mhar Khan	0307-6395065
105.	-do-	Zaka Ullah Khan S/O Amer Abdullah Khan	0313-7752360
106.	-do-	Muhabat Khan S/O Ahmad Khan	0306-3967940
107.	-do-	Ahmad Khan S/O Amer Abdullah Khan	0306-3966586
108.	-do-	Hameed Ullah Khan S/O Ahmad Khan	0303-7499268
109.	-do-	Saif Ullah Khan S/O Abdullah Khan	0301-8600740
110.	-do-	Shahid Hameed Khan S/O Mati Ullah Khan	0300-6095536
111.	-do-	Atta Muhammad Khan S/O Noor Muhammad Khan	03086358219
112.	Hindal Wala	Ghulam Rasool S/O Raza Muhammad	0301-3954534
113.	-do-	Muhammad Ramzan S/O Mureed Ahmad	0306-3961503
114.	-do-	Ghulam Shabir S/O Noor Muhammad	0302-3839101
115.	-do-	Ghulam Naser S/O Noor Muhammad	0306-6354787
116.	-do-	Muhammad Hussain S/O Ghulam Hussain	0301-7806519
117.	-do-	Sarwar S/O Abbas	0308-4987376
118.	-do-	Ghulam Shabir S/O Abdul Aziz	0305-7412985
119.	-do-	Muhammad Amer S/O Abdul Aziz	0308-5759372
120.	-do-	Muhammad Khan S/O Ibraheem Khan	0308-4984019
121.	-do-	Rafi Ullah Khan S/O Wali Dad	0303-3087972
122.	-do-	Inayat Ullah S/O Jahanger khan	Nil
123.	-do-	Irbareem S/O Ahmad	Nil
124.	-do-	Amer Qalam Khan S/O Shahwali Khan	0302-8837146
125.	-do-	Shafi Ullah Khan S/O Samand Khan	03063959885
126.	-do-	Haji Majeed Ullah Khan S/O Shahwali	0301-2099828
127.	-do-	Sayad Ahmad S/O Ghulam Qasim	0304-6334546
128.	-do-	Habib Ullah S/O Ahmad	0301-5165451
129.	-do-	Hafiz Ullah S/O Ghulam Hussain	0300-7108035
130.	-do-	Muhammad Hanif S/O Ghulam Qadir	0302-3962235
131.	-do-	Fazal Ur Rehman S/O Pahalwan	0303-6373508
132.	-do-	Atta Ullah Khan S/O Muhammad Ramzan	Nil
133.	-do-	Hameed Ullah S/O Ghulam Qadir	Nil
134.	-do-	Qasim S/O Abdul Aziz	0306-7805832
135.	-do-	Dost Muhammad S/O Yaar Muhammad	Nil
136.	-do-	Asmat Ullah Khan S/O Atta Ullah Khan	0343-6898295
137.	-do-	Inayat Ullah Khan S/O Wali Dad Khan	Nil
138.	-do-	Muhammad Ashraf S/O Muhammad Hayat	0302-6357220
139.	-do-	Ghulam Fareed S/O Muhammad Yaar	0303-7524683
140.	-do-	Said Ahmad S/O Muhammad Nawaz	0302-3959516
141.	Rustam Wala	Ghulam Rasool S/O Ghulam Sarwar Khan	0306-6352292
142.	-do-	Shahbaz Khan S/O Ghulam Sarwar Khan	0346-552422
143.	-do-	Kaleem Akhtar Khan S/O Rab Nawaz	0301-7809944

144.	-do-	Sadiq Khan S/O Bahadar Khan	0306-6775672
145.	-do-	Ghulam Qadir Khan S/O Bahadar Khan	0306-3960288
146.	-do-	Abid Khan S/O Ghulam Rasool Khan	0346-5524703
147.	-do-	Mati Ullah Khan S/O Atta Muhammad Khan	Nil
148.	-do-	Haleem Akhtar S/O Rabnawaz Khan	0301-6354712
149.	-do-	Muhammad Nasar Ullah S/O Muhammad Nawaz Khan	0301-7802676
150.	Dhop Sari	Muhammad Ramzan S/O Muhammad Hayat	0301-3952066
151.	-do-	Amer S/O Ghulam Hassan	0301-6314644
152.	-do-	Ghulam Fareed S/O Khuda Yaar	0302-3963292
153.	Otra Kalan	Muhammad Aslam Khan S/O Saif Ullah Khan	0301-6350298
154.	-do-	Khaliq Dad S/O Sher	0306-7804581
155.	-do-	Nazar Abbas S/O Ghulam Hurr	0308-3288386
156.	-do-	Basher Nawaz S/O Muhammad Nawaz	0301-6357432
157.	-do-	Ashiq Hussain S/O Ahmad Sher	0302-5163609
158.	Otra Khurad	Ahmad Nawaz S/O Abdullah	0300-6088317
159.	-do-	Sajid Hussain S/O Nazar Hussain	0302-6359944
160.	-do-	Abdul Hameed S/O Ghulam Muhammad	0308-4964925
161.	-do-	Sager Hussain S/O Ahmad Sher	0307-7507590
162.	-do-	Muhammad Iqbal S/O Ghulam Shabir	0308-7891712
163.	Daraz Wala Kalan	Zia Ullah S/O Ghulam Muhammad Khan	Nil
164.	-do-	Asmat Ullah Khan S/O Ahmad Khan	0301-6357712
165.	-do-	Muhammad Ashraf S/O Abdul Kareem Khan	0300-6086472
166.	-do-	Muhammad Ashraf Khan S/O Muhammad Khan	0300-6080543
167.	Kaalri	Hafiz Roshan S/O Nazar Muhammad	0302-2889664
168.	Wandhi Bhamjeeran Wali	Ghulam Muhammad S/O Muhammad Khan	0302-2860919
169.	Dhibba Karsial	Muhammad Aslam S/O Madat	0301-5244793
170.	Nammal	Muhammad Iltaf	0333-8504982
171.	Thammay Wali	Sikandar S/O Ali Muhammad	0342-7693443
172.	-do-	Aman Ullah S/O Atta Muhammad	0345-8962174
173.	-do-	Gul Muhammad S/O Ghulam Muhammad	0345-8962174
174.	-do-	Din Muhammad S/O Mian Raanjha	0345-8962174
175.	Nawwan	Noor Muhammad S/O Ahmad	0346-7160684
176.	Chakrala	Iqbal s/o Said Ameer	03026358670
177.	Peer Pahai	Jaleel Khan S/O Lal Maast Khan	03005203161
178.	Musa Khel Janubi	Akhtar Abbas Khan S/O Ghulam Abbas Khan	0300-6086312
179.	-do-	Shaukat Abbas Khan S/O Ghulam Abbas Khan	0345-5835546
180.	-do-	Tanveer Abbas Khan S/O Ghulam Abbas Khan	0300-3476061
181.	-do-	Samand Khan S/O Kamand Khan	0302-6357694
182.	-do-	Zafar Khan S/O Sher Khan	0302-2374578
183.	-do-	Mohammad Iqbal Khan S/O Alam Khan	0307-2691383
184.	-do-	Haji Norang Khan S/O Sher Khan	0303-2282609
185.	-do-	Jahan Shah S/O Mohammad Shah	0302-5091725
186.	-do-	Berum Khan S/O Fateh Khan	0307-5385301
187.	-do-	Mohammad Akbar Khan S/O Atta Mohammad	0303-7324033
188.	-do-	Aadam Khan S/O Shah Jahan Khan	0346-5518262

189.	-do-	Mirza Khan S/O Ghazi Khan	0343-6893155
190.	-do-	Asmat Ullah Khan S/O Mirza Khan	0300-6081679
191.	-do-	Mohammad Khan S/O Mohammad Nawaz	0302-3951791
192.	Bazaar	Abdul Ghafoor S/O Gul Jahan	0301-6359037
193.	-do-	Maqbool Khan S/O Abdul Ghafoor Khan	0306-7802799
194.	-do-	Abdul Ghaafar Khan S/O Basheer Mohammad Khan	0300-6093824
195.	Sultan Wala Sharki	Abdul Sattar Khan S/O Jahan	0333-9812239
196.	-do-	Ahmed Khan S/O Muzafar Khan	0331-4711039
197.	-do-	Jahangir Khan S/O Ahmed Khan	0331-7217408
198.	-do-	Mohammad Khan S/O Mohammad Zaman	0307-6739112
199.	-do-	Atta Ullah S/O Jeelani	0306-5293199
200.	-do-	Hameed Ullah Khan S/O Jahan Khan	0304-6605535
201.	-do-	Mohammad Aslam Khan S/O Fateh Khan	0302-3958692
202.	-do-	Yaaki Khan S/O Jahan Khan	0300-6089752
203.	-do-	Yousuf Khan S/O Mohammad Shah	0300-6087051
204.	-do-	Mohammad Aslam Khan S/O Mohammad Shah	0301-5100085
205.	Chhidroo	Haji Ramzan S/O Jahan	0300-6084449
206.	-do-	Haji Mehboob S/O Ali khan	0300-6090832
207.	-do-	Mohammad Basheer S/O Ali Khan	0300-6097710
208.	-do-	Khan Ameer S/O Ali Khan	0300-6097710
209.	-do-	Faiz Ullah Khan S/O Aziz Ullah Khan	0300-4223709
210.	Ghundi	Abbas Khan S/O Khan Mohammad Khan	0345-5821810
211.	-do-	Himmat Khan S/O Mohammad Akbar khan	0345-5518298
212.	-do-	Nasar Ullah Khan S/O Mawaz Khan	0302-3286437
213.	-do-	Mamreez khan S/O Gadai khan	0306-6543840
214.	Abba Khel	Sher khan S/O Fateh Khan	0300-6097725
215.	-do-	Ahmed khan S/O Muqarab Khan	0300-6086707
216.	-do-	Asmat Ullah Khan S/O Abdullah Khan	0306-6352903
217.	-do-	Anwar khan S/O Hidayat Ullah khan	0300-7936030
218.	-do-	Younas khan S/O Mohammad Khan	0306-3581466
219.	-do-	Khizar Hayat S/O Mohammad Khan	0344-5336274
220.	-do-	Ahmed Khan S/O Aadam Khan	0301-7230052
221.	-do-	Umar Hayat Khan S/O Sher khan	0306-7803964
222.	Musa Khel Darmiani	Mohammad Ameer khan S/O Ahmed khan	0306-5140579
223.	-do-	Mohammad Saeed S/O AbjduL Majeed	0305-7275407
224.	-do-	Neemat Ullah Khan S/O Muzafar khan	0300-7783819
225.	-do-	Maati Ullah Khan S/O Muzafar Khan	0300-6359751
226.	-do-	Mohammad Latif Ullah S/O Saeed Ullah	0302-6359157
227.	-do-	Sher Mohammad S/O Mohammad Zaman	0322-9795313
228.	-do-	Atta Mohammad Khan S/O Sarwar kHan	0302-3961411
229.	Boori Khel	Izaat Khan S/O Gul khan	0300-2276294
230.	-do-	Hameed Ullah Khan S/O Mawaz khan	0300-2276294
231.	-do-	Abdul Sattar khan S/O Tora baaz khan	0300-2276294
232.	-do-	Mohammad Akram khan S/O Haqnawaz khan	0300-2276294

233.	-do-	Yaseen S/O Hayat	0300-2276294
234.	-do-	Abdul Sattar S/O Hayat	0300-2276294
235.	-do-	Haji Ahmed S/O Hayat	0300-2276294
236.	-do-	Munsab khan S/O Saif Ullah Khan	0300-2276294
237.	-do-	Sardar Khan S/O Malook Khan	0305-7142086
238.	-do-	Sardar khan S/O Sher Ali khan	0305-7142086
239.	-do-	Mohammad Akram Khan S/O Mohammad Afzal Khan	0301-2045663
240.	-do-	Mohammad Nawaz S/O Ahmed Gul Khan	0301-2045663
241.	Ahmed Shah Wali	Inayat Ullah s/o Qazi caste Langaryal	0306-6055407
242.	-do-	Asif Iqbal s/o Muhammad Iqbal caste Pahoor	0300-7730004
243.	-do-	Ghulam Shabbir s/o Muhammad Nawaz sujra	0346-8734524
244.	-do-	Muhammad Wazir s/o Ghulam Hussain caste Langaryal	0301-5934512
245.	-do-	Ghulam Abbas s/o Umer caste Sujra	0302-3162682
246.	-do-	Muhammad Ramzan s/o Usman caste Langaryal	0303-7712725
247.	Piplan Kacha	Ghulam Muhammad s/o Muhammad Sher	0301-6352445
248.	-do-	Gull Hameed s/o Ilam Deen	0302--7973174
249.	-do-	Muhammad Rafique s/o Muhammad Hayat	0306-8476225
250.	-do-	Ghulam Qasim s/o Wazir Aalam	0306-7815889
251.	-do-	Hameed Ullah s/o Atta Ullah	0302-3861882
252.	Mamoo Wali	Altaf Hussain Shah s/o Feroze Hussain Shah	0333-9950682
253.	-do-	Qamar Abbas Shah s/o Bashir Hussain Shah	0314-4540108
254.	-do-	Akhter Hussain Shah s/o Syed Zavar Hussain Shah	0332-7242021
255.	Noshera	Gull Hassan Shah s/o Mazhar Hussain Shah	0336-6195000
256.	-do-	Safdar Hussain Shah s/o Haider Shah	0334-7230977
257.	Gujrat	Syed Iqbal Hussain s/o Ghulam Hassan Shah	0300-7783450
258.	-do-	Atta Hussain Shah s/o Ghulam Hassan Shah	0331-7228714
259.	-do-	Abid Hussain Shah s/o Ilam Dar Hussain Shah	0300-6092021
260.	Bhumb	Muhammad Ramzan Jindal	0313-9328203
261.	-do-	Ghulam Shabbir s/o Hakim	0301-3957593
262.	Bhakra	Malik Manzoor s/o Dost Muhammad	0333-9977757
263.		Ghulam Abbas s/o Ghulam Hassan	0333-6836856
264.		Muhammad Sabir s/o Ghulam Yasin, Baloochi Khel	0331-7226882
265.	Alluwali	Malik Falik Sher s/o Muhammad Azeem caste Dharooi	0346-5513731
266.	-do-	Ghulam Muhammad s/o Haji Muhammad Usman Dharooi	0344-8636961
267.	-do-	Rana Khushi Muhammad s/o Muhammad Yamin caste Rajput	0301-7801488
268.	-do-	Haji Ghulam Qasim s/o Muhammad Khan caste Dharooi	0344-6872355
269.	-do-	Haji Abdul Karim s/o Ghulam Jillani caste Manik	0346-8607741

HUMANITARIAN ASSISTANCE

- *How damage and losses data will be collected and communicated to higher level?*
 - *How the priority needs (e.g. food, shelter, health etc.) will be determined?*
 - *What activities will be carried-out to provide assistance to the affected population and by whom?*
 - *What assistance will be provided?*
 - *Standardization of different packages/kits e.g. food, tents*
 - *Humanitarian Assistance monitoring mechanism – to avoid duplication and identify gaps*
 - *Minimum standards for camps, if camps are established*
 - *What is the current capacity in the district? Enough for how much caseload?*
 - *Explain how protection, gender and age, environment and other relevant cross-cutting issues that will be addressed or mainstreamed into the humanitarian assistance strategy*
-
- Volunteers of Rural and Urban areas participate in rescue activities during flood.
 - Local NGO's should participated in rescue and relief operation with their own resources.
 - All other departments to take necessary measures for the safety/assistance of the community in the area.
 - List of Volunteers have been prepared by DO(Civil Defence) and DEO(Rescue-1122) at (Annex VIII) 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	Govt. High School Isa Khel	150	X: 32.685304 Y:71.273066	.10	Girls High School Daud Khel, Tehsil Mianwali	900	X: 32.873898 Y:71.568325
2	Govt. High School, Trag Sharif, Isa Khel	100	X: 32.782693 Y:71.300892	11	Middle School Tari Khel Kacha, Tehsil Mianwali	100	X: 32.689941 Y:71.521949
3	Govt. Higher Secondary School, Kamar Mushan, Tehsil Isa Khel	150	X: 32.846846 Y:71.353451	12	Govt girls high school mianwali	500	X: 32.582504 Y:71.526587
4	Town Committee, Kalabagh, Tehsil Isa Khel	100	X: 32.959693 Y:71.544364	13	Union council rokhari	50	X: 32.658251 Y:71.508036
5	School Boys Higher Secondary Mochh, Tehsil Mianwali	1000	X: 32.737090 Y:71.513447	14	Govt girls high school kalsoor	800	X: 32.738636 Y:71.264564
6	Govt. Boys High School, Alluwali, Piplan	500	X: 32.365852 Y:71.417354	15	Govt primary school Mujhaid Town Mianwali	200	X:32.557770 Y:71.531997
7	Govt. Boys High School, Piplan	400	X: 32.290082 Y:71.357219	16	Govt girls high school Doud khel	1000	X: 32.873898 Y:71.568325
8	Union Council, Tibba Mehrban Shah, Piplan	200	X:32.202285 Y:71.306705	.			X: Y:
9	Govt. Middle	200	X: 32.565500				X:

School Watta Khel, Mianwali		Y:71.525814				Y:
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ANNEX II: LIST OF HAZARD PRONE VILLAGES/REVENUE ESTATE (NAMES REQUIRED)

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Mianwali, Isa Khel Piplan	MC Isa Khel, MC Kamar Mushani, MC Kalabagh. UC Khaglan Wala, Kaluan Wala, Kaloor, Trag, Sultan Khel, Tani Khel, Chapri, Khudazai, Kot Chandana, Paka Kamar Mushani, Poss Bhangi Khel, Tabbisar	<u>Mianwali</u> Daudkhel Town, Thatthi, Dher Umaid Ali Shah, Bukhara, Ganda, Kot Bailian, Basti Shah Gul Muhammad, Utra Kalan, Pai Khel, Mochh, Shahbaz Khel Pacca (Dher Yaru Wala). <u>Isa Khel.</u> Isa Khel, Sharif Abad, Bhut, Sheikh Mehmood, Paka Kundal, Maseet, Qazi Wala, Kalu Khel, Adil Shah Wala, Cheena Pura, Kacha Noor Zaman Shah, Mehar Shah Wali, Waso Wala, Janti Wala, Kacha Kas Umar Khan, Draz Wala, Kacha Kamar Mushani, Misri Khan Wala, Ahmed Wala, Manda Khel, Kalabagh, Ganda, <u>Piplan.</u> Bhakra, Shah Nawaz Wala, Melay Wali, Mamoo Wali, Jhangi, Noshera, Churkin, Matha Jai, Ahmad Shah Wali, Piplan Kacha, Bhumb, Gujrat. Alluwali, Dhingana, Doaba, Jall Tibba Mehrban Shah, Venota, Tibba Gama Shah	
Urban Flooding	Isa Khel	MC Isa Khel, MC Kalabagh.	Isa Khel, Kalabagh.	
Flash Floods	Isa Khel	MC Isa Khel, MC Kamar Mushani, MC Kalabagh. UC Khaglan Wala, Kaluan Wala, Kaloor, Trag, Sultan Khel, Tani Khel, Chapri, Khudazai, Kot Chandana, Paka Kamar Mushani, Poss Bhangi Khel, Tabbisar	Isa Khel, Sharif Abad, Bhut, Sheikh Mehmood, Paka Kundal, Maseet, Qazi Wala, Kalu Khel, Adil Shah Wala, Cheena Pura, Kacha Noor Zaman Shah, Mehar Shah Wali, Waso Wala, Janti Wala, Kacha Kas Umar Khan, Draz Wala, Kacha Kamar Mushani, Misri Khan Wala, Ahmed Wala, Manda Khel, Kalabagh, Khudazai, Jalalpur, Ganda.	

Hill Torrent	Mianwali, Isa Khel	-do-	Mianwali Musa Khel, Bori Khel, Swans <u>Isa Khel</u> Isa Khel, Bhor, Kaloor, Trag, Mehtar Shah Wali, Kacha Kamar Mushani, Tani Khel, Manda Khel, Kalabagh, Kotki Baironi, Tola Mangali.	
Tornado	-	-	-	
Earthquake	-	-	According to the situation of the country.	
Drought	-	-	Environmental.	
Epidemic	-	-	Environmental	
Environmental Hazards (industrial accidents, severe pollution etc.)	-	-	Nil	

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	Kaloor Sharif	X: Y:	BHU		Flood
2	Kundal	X: Y:	BHU		7 KM away from flood area
3	Mitha Khatak	X: Y:	BHU		Hill Torrents, more rain
4	Jalal Pur	X: Y:	BHU		Hill Torrents, more rain
5	Sultan Khel	X: Y:	BHU		Hill Torrents, more rain
6	Tola Bangi Khel	X: Y:	BHU		Hill Torrents, more rain
7	Vanjari	X: Y:	BHU		Hill Torrents, more rain
8	Chapri	X: Y:	BHU		Hill Torrents, more rain
9	Ganda	X: Y:	BHU		Flood
10	Maseet Wala	X: Y:	BHU		-
11	Isa Khel	X: Y:	MCH		-
12	Kalabagh	X: Y:	MCH		Flood & Hill Torrents
13	Khaduzai	X: Y:	DISP		Flood/ Land Sliding
14	Tabbi Sar	X: Y:	RHC		-
15	Trag	X: Y:	RHC		Flood
16	Kammer Mushani	X: Y:	RHC		-
17	Kalabagh	X:	THQ		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.)
		Y:			
18	Isa Khel	X: Y:	THQ		Flood
19	Abba Khel	X: Y:	BHU		-
20	Ahmad Khan Wala	X: Y:	BHU		-
21	Bani Afghan	X: Y:	BHU		-
22	Bori Khel	X: Y:	BHU		Hill Torrents, more rain
23	Chidru	X: Y:	BHU		-
24	Thathi	X: Y:	BHU		Flood
25	Dhoke Ayub	X: Y:	BHU		Hill Torrent
26	Dilay Wali	X: Y:	BHU		Flood
27	Ghundi	X: Y:	BHU		-
28	Gulmeeri	X: Y:	BHU		-
29	Kalri	X: Y:	BHU		-
30	Lalu Khel	X: Y:	BHU		-
31	Mari Indus	X: Y:	BHU		Flood
32	Muzafar Pur	X: Y:	BHU		-
33	Pai Khel	X: Y:	BHU		Flood (Katcha Area)
34	Pakki Shah Mardan	X: Y:	BHU		Flood
35	Rokhri	X: Y:	BHU		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.)
36	Shadia	X: Y:	BHU		-
37	Thamay Wali	X: Y:	BHU		-
38	Hussain Wala	X: Y:	BHU		-
39	27 DB	X: Y:	BHU		-
40	Sawance	X: Y:	DISPENSARY		-
41	Mianwali	X: Y:	DHQ		Flood
42	Mianwali	X: Y:			Flood
43	Khan Muhammad Wala	X: Y:	MCH		Flood
44	Muhammad Yar Wala	X: Y:	DISPENSARY		-
45	Dhurnaka	X: Y:	DISPENSARY		Hill Torrents
46	Shebaz Khel	X: Y:	DISPENSARY		Flood (Katcha Area)
47	Dher Umaid Ali Shah	X: Y:	DISPENSARY		-
48	Sora	X: Y:	DISPENSARY		-
49	Watta Khel	X: Y:	DISPENSARY		Flood
50	Musa Khel	X: Y:	RHC		-
51	Chakrala	X: Y:	RHC		Hill Torrents
52	Daud Khel	X: Y:	RHC		Hill Torrents
53	Mochh	X: Y:	RHC		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.)
54	Wan Bachran	X: Y:	RHC		-
55	Bala	X: Y:	BHU		-
56	4 DB	X: Y:	BHU		-
57	5-6 ML	X: Y:	BHU		-
58	Doaaba	X: Y:	BHU		Flood
59	Kundian Rural	X: Y:	BHU		-
60	Naseer Wala`	X: Y:	BHU		-
61	Sandan Wala	X: Y:	BHU		-
62	Tiba Gama Shah	X: Y:	BHU		-
63	Hernoli	X: Y:	BHU		-
64	Dabb	X: Y:	BHU		-
65	Piplan	X: Y:	DISP		-
66	18 ML	X: Y:	DISP		-
67	5 DB	X: Y:	DISP		-
68	16 ML	X: Y:	DISP		-

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Incharge Name	Contact Number
1	GGES Khaglanwala	school	X: Y:	Balqees Hashami SST	03067803518
2	GGPS Kareem Abad	school	X: Y:	Farhat Bibi PST	03436553917
3	GGPS Saliab Colonay	school	X: Y:	Amna Bibi PST	03054381989
4	GGPS Kalu Wala	school	X: Y:	Musrat Jabeen PST	03325277631
5	GGPS Mohbat Khel	school	X: Y:	Ghazala Kiren PST	03461914237
6	GGPS Tola Managali	school	X: Y:	Riffat Sultana PST	03336823428
7	GGMPS Janti Wala	school	X: Y:	Zubida Bibi PST	03018293290
8	GPS Umree Khel	school	X: Y:	Noor Ayisha PST	03084974186
9	GGCMS Sohri Wala	school	X: Y:	Maqbool Fatima PST	03036371769
10	GGPS Hindal Khel	school	X: Y:	Mehwish Jabeen PST	03347501581
11	GGPS Hassan Khan Kalay KhelWala	school	X: Y:	Razia Sultana PST	03347501581
12	GGPS Nizam Khel	school	X: Y:	Kalsoon Bibi PST	03347501581
13	GGES Sangani	school	X: Y:	Samina Alyias EST	03463602117
14	GGPS Ghanjoori	school	X: Y:	Perveen Akhtar PST	03444646987
15	GGPS Manjh Ghundi Poss	school	X: Y:	Shamim Beguam PST	03329773911
16	GGPS Sheena Ghund	school	X: Y:	Raheela Akhtar PST	03469770931
17	GGPS Wasoo Wala	school	X: Y:	Musrat Fatima PST	03026087258

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Incharge Name	Contact Number
18	GGMPS Mehr Shah Wali No.2	school	X: Y:	Fehmeeda Naz PST	03146133631
19	GGES Mehr Shah Wali	school	X: Y:	Zenuab Qasim SST	03075156375
20	GGPS Wandha Musa Khel	school	X: Y:	Zubida Shaheen PST	0345285465
21	GGMPS Ajab Khan Wala No.1	school	X: Y:	Shumaila Zia PST	03339813613
22	GGPS Choranwala	school	X: Y:	Zubida Bibi PST	03025526951
23	GGPS Kalabag No.3	school	X: Y:	Naseem Akhtar PST	03073834274
24	GGPS Kukranwala	school	X: Y:	Perveen Bibi PST	03013650644
25	GGPS Shabi Khel	school	X: Y:	Mehnaz Akhtar PST	030386398288
26	GGPS Sultan Khel Gharbi	school	X: Y:	Asia Bibi PST	03013055939
27	GGMPS Blochi Khel	school	X: Y:	Kalsoom Bibi PST	03063167978
28	GGMPS Qatal Khel	school	X: Y:	Sabeena Khan PST	03347501581
29	GGPS Azeem Abad	school		Qamar Kishwer PST	03452367214
30	GGPS Kus Umer Khan	school		Amana Bibi PST	03317924239
31	GGPS Muqrab Khel	school		Shaheen Akhtar PST	03015538630
32	GGPS Gharoonwala	school		Shehla Bibi PST	03367264158
33	GGPS Din Muhammad Wala	school		Tahira Bibi PST	03084971373
34	GGPS Rulavanwala	school		Fozia Batool PST	03035716863
35	GGPS Midad Khel	school		Tehseen Aziz PST	03347501581
36	GGPS Ladhu Khel	school		Feryal Fatima PST	03015085465
37	GGPS Chah Kalu Wala	school		Nighta Fatima PST	03025584024
38	GGPS Katalay Khel	school		Anar Khatoon PST	03015291576
39	GGPS Noor Muhammad Chinel Wala	school		Nusrat Bibi PST	03065429037
40	GGPS Shadi Khan Sinjer Khel	school		Humira Roohi PST	03076745768

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Incharge Name	Contact Number
41	GGPS Makki Masjid	school		Rasheeda Beguam PST	03347257967
42	GGCMS Kallur Sharif	school		Nighta Perveen SST	03366638971
43	GGPS Noshera	school		Nusrat Jabeen PST	03076712753
44	GGPS Habib Ulah Khan Wala	school		Zaib Un Nisa PST	03325277631
45	GGPS Armatay Wala	school		Ismat Bibi PST	0346964677
46	GGPS Awana Wala	school		Nasreen Akhtar PST	03058493913
47	GGPS Humbranwala	school		Fazal Khatoon PST	03325277631
48	GPS samand Wala	school		Riaz Khan	3455836505
49	GPS Draz Wala	school		Riaz Khan	3455836505
50	GES Trag	school		Muhammad Farooq	3012499893
51	GPS Moqeem Colony	school		Muhammad Farooq	3012499893
52	GPS Jabo Wall	school		Riaz khan	3455836505
53	GES Kala Bagh	school		Muhammad Arif	3469048829
54	GPS Jattan Wala	school		Rizwn Khan	3455836505
55	GPS Ghaley Khel	school		Abdul Majeed	3066351187
56	GES Bhore Sharif	school		Abdul Majeed	3066351187
57	GPS Alam Khan Wala	school		Abdul Majeed	3066351187
58	GPS Chhinlan Wala	school		Muhammad Farooq	3012499893
59	GPS Mohabat khel	school		Muhammad Arif	3469048829
60	GPS Chapri Karam khel	school		Rizwan	3463525127
61	GPS Qureshian Wala	school		Muhammad Arif	3469048829
62	GES Misar Wala	school		Rizwan	3463525127
63	GPS Tola Bangi Khel	school		Rizwan	3463525127
64	GPS Keyyaki	school		Rizwan	3463525127
65	GPS Khoi Haibat Khel	school		Rizwan	3463525127
66	GPS Vigi	school		Rizwan	3463525127
67	GPS Chashna Ghunda	school		Rizwan	3463525127
68	GGPS GHULAMEY KHEL MARI	school		Mussarat Tufail	0305-6490218
69	GGPS 26/DB	school		BAKHAT BIBI	0304-6747308
70	GGPS 29/DB	school		TEHSEEN ZIA	0308-2515021
71	GGPS BEARULI	school		Abida AEO	0334-7938426
72	GGES ZADEY KHELAN WALA	school		NUZHAT JAFRI	0333-6832840

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Incharge Name	Contact Number
73	GGPS KANJUWAN WALA	school		SHEHNAZ BUKHARI	0334-7937426
74	GGES DHOKE GHAZAN	school		SAIMA PERVEEN	0302-5167032
75	GGPS WATTEY KHEL	school		NASIM BIBI	0301-2374328
76	GGPS DHOKE PEERA	school		AMLA NAZISH	0334-8306813
76	GGES DHOKE WAHAB KHEL	school		FATEH KHATOON	0332-8768981
77	GGPS DHOKE KARAM ULLAH	school		HAMEED BEAGUM	0314-6319384
78	GGPS FAROOQ -E- AZAM	school		RAKSHANDA BIBI	0333-5532493
79	GGPS MOHALLAH GHARBI	school		SUMEARA GUL	0301-7955612
80	GGPS SHEIKHAN WALI	school		PERVEEN NIAZI	0306-4082330
81	GGES CHHIDRU	school		ABIDA	0334-79375426
82	GGPS THAHTI SHARQI	school		SHAISTA	0306-9091966
83	GGPS THATHI GHARBI	school		SHAISTA	0306-9091966
84	GGES DHOKE ALI KHAN	school		NADIA GUL	0334-1155380
85	GGPS DHOKE MEHR MUHAMMAD	school		RSUQIA HAYAT	0332-7615632
86	GES Mari City	school		Ziaud Din Shah	3006082903
87	GES Noranga	school		Muhammad Aslam	3347669268
88	GPS chak Dosari	school		Muhammad Aslam	3347669268
89	GPS Head Pakka	school		Muhammad Akram Kahna	3006098562
90	GPS Pakka Ghanjera	school		Qayyum Nwaz	3006097406
91	GPS Sangu Khelan Wala	school		Muhammad Imtiaz	3229789715
92	GES Sheikhali	school			
93	GES Bori Khel	school		Attaullah	3067808176
94	GPS Mian Din Wala	school			
95	GMPS BHUDHEY KHEL	school		KOUSAR MEHMOOD UL HUSSAN	0333-6656277
96	GMPS MOHALLAH KALYAR	school		AMEENA NAHEED	0331-7216334
97	GGES KEETAN WALA	school		AFREEN SUMBAL	0332-6484795
98	GGPS KARAM HAIDER SHAH	school		Ghazala AEO	3084334516
99	GGES KILYIA KHEL	school		Ghazala AEO	3084334516
100	GGPS ARSLAN WALA	school		Ghazala AEO	3084334516
101	GGPS RAKH NASEER WALA	school		Ghazala AEO	3084334516

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	Pakistan Atomic Energy	Chashma, Kundian Mianwali	X: 32.416833 Y: 71.410124	Nuclear		High	Floods/ Earthquake
2	Urea Factory	Iskanderabad Daud Khel	X: 32.9051682 Y: 71.5979482	Chemical		High	Floods/ Earthquake
3	Cement Factory	Iskanderabad Daud Khel Mianwali	X:32.9068079 Y: 71.5935279	Chemical		High	Floods/ Earthquake
4	Awais IND (PVT) LTD	Gul Meri Sargodha Road Mianwali	-	-		High	Earth Quake/Fire
5	Azeem Flour Mills	Hernoli Road Wan Bhachran	-	-		Low	Earth Quake/Fire
6	Haris Farid Cotton Factory	Wan Bachran	-	-		High	Fire
7	Javed Unani Laboratories	Mohallah Miana Mianwali	-	-		High	Earth quake
8	Mumtaz Dawakhana	Mohallah Miana Mianwali	-	-		High	Earth Quake/Fire
9	Mianwali Flour Mills	Bannu Road Mianwali	-	-		Low	Earth Quake/Fire
10	Mustafa Flour Mills	Bannu Road Mianwali	-	-		Low	Earth Quake/Fire
11	New Pak Herbal Pharma	Mohallah Mianwa Minwali	-	-		High	Earth Quake
12	New Standard Laboratories	Mohallah Miana Mianwali	-	-		High	Earth Quake
13	Murad Ginnig Factory	Unit No.2 Chak No.19-ML	-	-		High	Fire
14	Ahmed Cotton Industries	Piplan Road Mianwali	-	-		High	Fire
15	Pai Khel Flour Mills (closed)	Sargodha Road Wanbchran Mianwali	-	-		High	Flood
16	Fine Flour Mills	Esa-Khel	-	-		High	Flood
17	M.H. Flour Mills	Sargodha Road Mianwali	-	-		High	Earth Quake/Fire
18	Hamza Flour	Sargodha Road	-	-		High	Earth Quake/Fire

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
	Mills	Wanbhchrn Mianwali					
19	Bachar Flour Mills	Sargodha Road Wanbhachran	-	-		High	Earth Quake/Fire
20	Al-Fateh Cotton Ginning Factory	Sargodha Road Wan Bhachran Mianwali	-	-		High	Fire
21	Value Cotton Factory	Sargodha Road Mianwali	-	-		High	Fire
22	Bismillah Cotton & Ginning Factory	Chak No.11 ML. Piplan Mianwali	-	-		High	Fire
23	Hamza Javed Cotton Factory	M.M. Road Mianwali	-	-		High	Fire
24	Mianwali Cotton Factory	Hernoli Road Mianwali	-	-		High	Fire
25	Ahmed Cotton Industries	Hafiz Wala Piplan Mianwali	-	-		High	Fire
26	Al-Hamad Cotton Factory	Hernoli Mianwali	-	-		High	Fire
27	Khan Brothers Cotton Ginnig Factory	Piplan Mianwali	-	-		High	Fire
28	Hafiz Cotton Industries	Piplan Road Mianwali	-	-		High	Fire
29	Subhan Allah Cotton Factory	Chak No. 11- ML Piplan Mianwali	-	-		High	Fire
30	Shandar Flour Mills	Chak No.19-ML M.M Road Mianwali	-	-		Low	Earth Quake/Fire
31	Azeem Flour Mills	Watta Khel Mianwali	-	-		Low	Earth Quake/Fire
32	Al-Rehman Cotton Ginning Factory	Shadia Mianwali	-	-		High	Fire
33	Shahu Khel Cotton Industries	Hernoli Road Wanbhachran Mianwali	-	-		High	Fire
34	Al-Madina Cotton & Ginning Factory	Chak No.5/6 ML Piplan Mianwali	-	-		High	Fire
35	Pakistan Cotton & Ginning Factory	Hernoli Road Wanbachran Mianwali	-	-		High	Fire
36	G.M Cotton & Ginning Industries	Quaid Abad Road Hernoli Mianwali	-	-		High	Fire
37	Al-Makkah Cotton Factory	Hernoli Road Wanbhachran	-	-		High	Fire

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
		Mianwali					
38	Zam Zam Cotton Factory	Hernoli Road Wanbhachran Mianwali	-	-		High	Fire
39	Al-Habib Cotton Industries	M.M. Road Hameed Kot Mianwali	-	-		High	Fire
40	Al-Madni Cotton Industries	M.M. Road Hameed Kot Mianwali	-	-		High	Fire
41	Punjab Cotton Industries	Chak No. 11- ML Piplan Mianwali	-	-		High	Fire
42	Hamza Javaid Cotton Industries	Esa-Khel Mianwali	-	-		High Risk	Flood/ Fire
43	Mianwali Cotton Factory	Kacha Gujrat Mianwali	-	-		High	Fire
44	Chashma Cotton Factory	Kacha Gujrat Mianwali	-	-		High	Fire
45	Allah Tawakal Cotton Factory	Nagni Road Mianwali	-	-		High	Fire

ANNEX VI: LIST OF NGO WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
1	Anwar Ali Public School	Local	Dawood Khel	Education	Azmat ullah Khan	03008694070
2	Imam Khumeni Trust	Local	Imam Khumeni Complex Mari Indus	Education, health, relief	Mushtaq Hussain	0459395784
3	Namal Education Foundation	Local	75-D/1, Main Boulevard (Liberty Roundabout), Gulberg III, Lahore.	Education	Asmat ullah Khan	03006429918
4	ROSHANI WELFARE ORGINATION WANDHI GHUND WALI MIANWLI	Local	ROSHANI WELFARE ORGINATION WANDHI GHUND WALI MIANWLI	To promote the social activities on positive manner	Malik Asmatullah	03347655490
5	HELP FODUATION DISTRICT MIANWLAI	Local	HELP FODUATION DISTRICT MIANWLAI	To Provide Information Technology, conduct of Training IT Seminar	Azmat ullah khan	03008694070
6	Anjuman Jinnah Public High School, Swance, Mianwali	Local	Anjuman Jinnah Public High School, Swance, Mianwali	Educational	Aman ullah Khan	03317218775
7	Time & Tune School System B-95/1 Near Eid Gah Yaru Khel Mianwali	Local	Time & Tune School System B- 95/1 Near Eid Gah Yaru Khel Mianwali	To provide quality education.	Orangzeb khan	03458800333
8	Zakri Sultan Khidmat Committee, Hakim Sahibzada Syed Mian Haji Muhammad Alamgir shah,Kariyanwaly, Chairman Darbar Dada Sultan Zakriya Mianwali	Local	Zakri Sultan Khidmat Committee, Hakim Sahibzada Syed Mian Haji Muhammad Alamgir shah,Kariyanwaly, Chairman Darbar Dada Sultan Zakriya Mianwali	To manage the affairs of the Shrine Hazrat Sultan Zakrya.	Mohammad Aalaggir Shah	0459231239
9	Iskandrabad Welfare Trust, Iskandarabad Mianwali	Local	Iskandrabad Welfare Trust, Iskandarabad Mianwali	To provide free education,	Zahid Aziz	0459392346- 50
10	Sanjh development foundation wan bhachran	Local	Sanjh development foundation wan	Social welfare	Mian Shokat Ali	03328384223

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
			bhachran			
11	Syed Atta Muhammad Shah Education Development p/o Trust Paki Shah mardan Tehsil & District Mianwali	Local	Syed Atta Muhammad Shah Education Development p/o Trust Paki Shah mardan Tehsil & District Mianwali	Welfare of Public.	Mohammad Shah Naqvi	03013319472
12	Jeo Welfare society House No. KA-62 Mohalla Miana Mianwali	Local	Jeo Welfare society House No. KA-62 Mohalla Miana Mianwali	To provide education.	Abdul Qayyum	03139933386
13	Anjuman Yousuf Cambridge and middle school Mohallah Miana Mianwali	Local	Anjuman Yousuf Cambridge and middle school Mohallah Miana Mianwali	To provide education of English, Science, Mathematics and Urdu Tuition.	Sana Ullah	03006096116
14	Anjuman Minhajul Quran Model High School Ghundi Tehsil & Distt. Mianwali	Local	Anjuman Minhajul Quran Model High School Ghundi Tehsil & Distt. Mianwali	Conduct LT Seminars, Free tutorial classes.	Abdul Qayyum Khan	03016999574
15	Al Rafay, Al wasay foundation New abadi Ali Town P.A.F Road Mianwali	Local	Al Rafay, Al wasay foundation New abadi Ali Town P.A.F Road Mianwali	Provide Free education	Fateh Khan Niaziq	03013335895
16	Welfare Rural Support Organization Wanbachran Main Road Bilmuqabil Qabristan Malkan wala Tehsil & District Mianwali	Local	Welfare Rural Support Organization Wanbachran Main Road Bilmuqabil Qabristan Malkan wala Tehsil & District Mianwali	To Provide Personal loan and livestock program,	Shabnam Kaleem	03017412294
17	Al-Noor Trust Mochh Tehsil & District Mianwali	Local	Al-Noor Trust Mochh Tehsil & District Mianwali	To Provide Well Education in Rural Areas.	Rafi Ullah Khan	03005175131
18	Anjuman Tanzeem-ul-khadmeen Zakria Force Darbar Hazrat Sultan Muhammad Zakria Sahib Mianwali	Local	Anjuman Tanzeem-ul-khadmeen Zakria Force Darbar Hazrat Sultan Muhammad Zakria Sahib Mianwali	To provid Help of Poor and widow with cash and other way.	Haji Mohammad Aalam	0459231239

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
19	Razzaq Shaheed Trust Mianwali	Local	Razzaq Shaheed Trust Mianwali	To develop socially, economically and politically sound communities.	Asif Hayat	03026353113 0459396088
20	Noor Memorial Trust Mianwali	Local	Noor Memorial Trust Mianwali	To Provide Education Facilities. Build up New Education Institute..	Farzana Yasmin	03079398398 0459230058
21	Global Vision Cable Operators, Association (Punjab) Mianwali Tehsil & District Mianwali	Local	Global Vision Cable Operators, Association (Punjab) Mianwali Tehsil & District Mianwali	To promote Islamic Ideology. .	Mohammad Shafiq Dogar	03216001323
22	Intezmia Society Jozaf Chrishtan Primary School, U.C.H Church Civil Line Mianwali	Local	Intezmia Society Jozaf Chrishtan Primary School, U.C.H Church Civil Line Mianwali	To provide the education and Sports facility.	Abdul Ahad	045932997
23	Hope Organization, Malik saleem Law chambers District Courts Mianwali	Local	Hope Organization, Malik saleem Law chambers District Courts Mianwali	To provide free legal aids, education and information technology.	Saleem Iqbal	03006081067
24	NAMAL Welfare Trust Al Raheem Manzil Balokhel Road Tehsil & District Mianwali	Local	NAMAL Welfare Trust Al Raheem Manzil Balokhel Road Tehsil & District Mianwali	Hospitals, Dispensaries, Mother care, health care centers, family planning centers, blood banks and laboratories.	Dr. A.R Amir Awan	03006091244
25	Thathi Welfare Trust Thathi Sharief Tehsil & District Mianwali	Local	Thathi Welfare Trust Thathi Sharief Tehsil & District Mianwali	To provide education, health and mobile first Aid unit.	Malik Mohammad Tariq	03002020745
26	Al-Zohra Welfare Society, Mohallah Syed Hashim Shah, Mianwali City Tehsil & District Mianwali	Local	Al-Zohra Welfare Society, Mohallah Syed Hashim Shah, Mianwali City Tehsil & District Mianwali	To provide Local Issue, water management, education, vocational training, and Child labour.	Imtiaz Hussain	03078892786

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
27	Research and community development organization (RCDO)	Local	Ballo Khel Road Mianwali	Education	Mohammad Rafiq	03016355335
28	Iskanderabad Educational Society Iskanderabad District Mianwali	Local	Iskanderabad Educational Society Iskanderabad District Mianwali	To provide advance education.	Zahid Aziz	0459392346
29	M/S Mohar Samaji Trquati Council Charkrala District Mianwali	Local	M/S Mohar Samaji Trquati Council Charkrala District Mianwali	To start the many program of Welfare for people.	Dost Mohammad Awan	03126083347
30	Hex Bell Foundation City Street Tehsil and Diatrick Mianwali	Local	Hex Bell Foundation City Street Tehsil and Diatrick Mianwali	To Provide Education, Health facilities. To help the needy people.	Mohammad Bilal Hasan	03414832897
31	Zafar Foundation Mianwali Pakistan	Local	Kachary Road (Previous Building Markaz Quami Bachat) Mianwali	Awareness of Environmental Protection Punjab-Pakistan	Javed Iqbal	03336838287
32	Anjuman Mian Ramdi Welfare Society Daud khel Tehsil & District Mianwali	Local	Anjuman Mian Ramdi Welfare Society Daud khel Tehsil & District Mianwali	To Provide Education of poor boys and girls. To establish the Daud khel city.	Mohammad Muzammil	03006089367
33	Anjuman Sarafa And Jewellers Association, Daud khel Tehsil & District Mianwali	Local	Anjuman Sarafa And Jewellers Association, Daud khel Tehsil & District Mianwali	To provide education of Sarafa children.	Haji Khuda Baksh	03016355614
34	Anjuman-I-Sultani Sajjadgi (Sajjada Nasheeni) Hakeem Sahibzada Syed Mian Haji Muhammad Alamgir Shah Karyan Waley Sajjada Nasheen Darbar Sultan Zakariya	Local	Anjuman-I-Sultani Sajjadgi (Sajjada Nasheeni) Hakeem Sahibzada Syed Mian Haji Muhammad Alamgir Shah Karyan Waley Sajjada Nasheen Darbar Sultan Zakariya	To help the poor and widows.	Mohammad Aalamgir	0459231239
35	Anjuman Kisan Welfare Itehad Kas Umar Khan Tehsil & District Mianwali	Local	Anjuman Kisan Welfare Itehad Kas Umar Khan Tehsil & District	To Provide facilities of agriculture education.	Mohammad Asghar Khan	03004563322

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
			Mianwali	.		
36	Anjuman Centre For Research and Development Initiative Tehsil & District Mianwali	Local	Anjuman Centre For Research and Development Initiative Tehsil & District Mianwali	To provide Education and Health Facilities. Reasearch in Education and Health.	Malik Asmat Ullah	03347655490
37	Jamia Al Bakhsh Islamic Academy Khawaja Abad Sharif Tehsil & District Mianwali	Local	Khawaja Abad Mianwali	Setting of the people by Quran-O-Sunnat	Mohammad Najm-ud-Din Shah	03006096180
38	Thal Desert Development Society, Gulshan e Mehrvi Piplan City District Mianwali	Local	Thal Desert Development Society, Gulshan e Mehrvi Piplan City District Mianwali	To serve the people for promotion of social activities in positive manners and educational activities	Malik subha Sadiq	03017802448
39	Mian Ali Welfare foundation Mianwali	Local	Mian Ali Welfare foundation Mianwali	work for socio-economics.	Hidayat Ullah Khan zaday khel	03006099595
40	Dar-UI-Aloom Muhammadia Ghosia Boys & Girls college chak ¼ DB Tehsil Piplan District Mianwali	Local	Dar-UI-Aloom Muhammadia Ghosia Boys & Girls college chak ¼ DB Tehsil Piplan District Mianwali	To Provide education of Quran-o-Hadees.	Latif ur Rehman	03017842869
41	Anjuman Fisherman All Pakistan Mahigeeran Mohallah Haider Colony Tehsil Piplan District Mianwali	Local	Anjuman Fisherman All Pakistan Mahigeeran Mohallah Haider Colony Tehsil Piplan District Mianwali	To provide education.	Ghulam Farid	03077814652
42	Anjuman Ghareeb Nawaz Foundation, 8-ML, Tehsil Piplan, District Mianwali	Local	Anjuman Ghareeb Nawaz Foundation, 8-ML, Tehsil Piplan, District Mianwali	Provide Health & Education facilities.	Mohammad Ayyub	03004756107
43	National Peace Committee For Inter Faith Harmony Mianwali	Local	National Peace Committee For Inter Faith Harmony Mianwali	To create Interfaith Haarmony, Peace and Tolerance..	Nadir Khan	03325283759
44	The Society of Kundian Chashma Press Club Kundian Tehsil Piplan District Mianwali	Local	The Society of Kundian Chashma Press Club Kundian Tehsil Piplan District	To provide facility Education..	Attaullah Shaheen	03347658730

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
			Mianwali			
45	Mianwali Development Form, Malik Azeem memorial Public Model school Kalabagh Distt. Mianwali.	Local	Mianwali Development Form, Malik Azeem memorial Public Model school Kalabagh Distt. Mianwali.	To provide education, Health and information technology.	Mohammad Fawad khan	0459395808
46	Indus Human Development Organization Kalabagh Tehsil Essa Khel Disrict Mianwali	Local	Indus Human Development Organization Kalabagh Tehsil Essa Khel Disrict Mianwali	welfare of community.	Khalid Mehmood Khan	03336822351
47	Al Fakhriya Trust Kot Chandan Tehsil Essa Khel District Mianwali	Local	Al Fakhriya Trust Kot Chandan Tehsil Essa Khel District Mianwali	To provide education and health..		
48	Issa Khel Rural Development Programm Tehsil Essa Khel & District Mianwali	Local	Issa Khel Rural Development Programm Tehsil Essa Khel & District Mianwali	To provide education, health ,agriculture, facility.	Mohammad Jan Kashif	03339835416
49	Organization for Development & Peace, Tung bazaar Mohallah Parachgan, Kalabagh, Tehsil & District Mianwali	Local	Organization for Development & Peace, Tung bazaar Mohallah Parachgan, Kalabagh, Tehsil & District Mianwali	To promote and support all kind of social awareness.	Mohammad Mushtq	03045342965
50	Aarin Development Organization Kala Bagh	Local	Kala Bagh	Education Health welfare	Qadir Baksh	03336821525
51	Sawera Society	Local	Main Bazar Kalabagh	Education Adovocuey Awareness	Javed iqbal	03336826446
52	Tabbi Sar Development Organization Tabbi Sar Mianwali	Local	Tabbi Sar Development Organization Tabbi Sar Mianwali	To Provide Sciece and Islamic Education Centers.	Saif ur Rehman	03339026148
53	Anjuman Sada-e-Niswan Organization Tabbi Sar Mianwali	Local	Anjuman Sada-e-Niswan Organization Tabbi Sar Mianwali	To Provide Education.	Rukhsana Begum	03336826639
54	Anjuman Umed Welfare Organization Kamar Mushani Tehsil Isa khel District Mianwali	Local	Anjuman Umed Welfare Organization Kamar Mushani Tehsil Isa khel District Mianwali	To Help Widow with money.	Mohammad Akram	03006088253

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
55	Islamic Oxford Educational Society	Local	Mohallah Saru Khel Moch, Tehsil & District Mianwali	Educational	Kaleem Ullah Khan	0459380164 03023958400
56	Society Health & Education Relief Foundation	Local	Zaman House chowk Torn Khel near Shaheen Town PAF Road Mianwali	Health & Education	Mohammad Ahsan Khan	0459232178 03017802178
57	Anjuman adara firog-e-quran Pakistan society	local	Jahan abad watta khel	Islamic education	Ghulam Farid	0459231807
58	Crescent Model public school village Ghundi Mianwali	Local	Village Ghundi Tehsil & Distt. Mianwali	To provide education	Sardar Khan	03454362581
59	Anjuman Akbaria Balo Khel Road Mianwali	Local	Mianwali city	Education	Sahibzada Abdul Maalik	3006081600
60	Indus Welfare Society Marri Indus	Local	Mari Indus	Educaiton	Malik Sajjad	3006041120
61	Rural Education & Development Society Ban Hafiz Jee	Local	Ban Hafiz Jee	Education	Saqlain Naqvi	3446880112
62	Anjuman Samaji Behbood Paki Shah Mardan	Local	Pakki shah mardan	Health	Dr. Sarwar	3336835880
63	Obaid Noor Welfare Association Mianwali	Local	Mianwali city	health	Faisal Khan	3336812020
64	Anjuman Falah o Muashra Wan Bhachran Mianwali	Local	Wan Bhachran	women welfare	saifullah Khan	3026353026
65	Al-Amir Welfare Society, Rikkhi Tehsil & Distt. Mianwali.	Local	Rikkhi	Health	Malik Nazeer Ahmad	30028856203
66	Shahzad Welfare Society, Near Railway Phatak Junobi, Mianwali	Local	Mianwali city	Health	Dr. Abdullah	3348881799
67	Khidmat Welfare Society, Mohallah Eid Gah, Mianwali.	Local	Mianwali city	women welfare	Hameed Akhtar Khan	3008430408
68	Anti-Norcotics Organization, Chamber of District Courts, Mianwali	Local	Mianwali city	Health	Manzoor Ahmad Khan	3006081009
69	Sara Welfare Society, Rikkhi Tehsil & Distt. Mianwali.	Local	Rikki	Health	Dr. Aamer	459231188
70	Al-Aleem Welfare Society, Mohallah Dargai Khel Mochh, Tehsil & Distt. Mianwali	Local	Mochh	Education	Ghulam Abbas	3013958326
71	Qandeel Welfare Society, Pakki Shah Mardan, Tehsil & Distt. Mianwali.	Local	Pakki shah mardan	Education	Ulfat Hssain shah	3017802250
72	Tehsil Welfare Council, City Street, Mianwali.	Local	Mianwali city	Education	Khawaja Abdul Ghaffar	3006093823
73	Anjuman Falah-ul-Muslamin,	Local	Rokharri Morr	Education	Attaullah	3006093897

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Rokhri morr, Tehsil & District Mianwali.				Khan	
74	Ajmal Foundation, Sargodha Road, Wan Bachhran, Tehsil & District Mianwali.	Local	Wan Bachhran	Education	Dr. Mohamamd Akmal	3006098400
75	Women Development Organization, Sargodha Road, Wan Bachhran, Tehsil & District Mianwali	Local	Wan Bachhran	women welfare	Shabnam Bibi	3017412293
76	Mishal Welfare Organization, Mohallah Miana, Tehsil & District Mianwali.	Local	Mianwali city	Education	Naeem Khan	3336838385
77	First Step for Women Welfare Organization, Near Awan Chowk, Tehsil & District Mianwali.	Local	Mianwali city	women welfare	Shaista Rana	3006089869
78	Community Vocational Learning Society, Mohallah Yatim Khana, Mianwal	Local	Mianwali city	Education	Imtiaz parvin	3017809120
79	Saqi Arts Welfare Organization, Mohallah Yatim Khana, Mianwali.	Local	Mianwali city	Youth Welfare	Tahir Saqi	30107803251
80	Dar-ul-Atfal, Mohallah Eid Gah, Mianwali.	Local	Mianwali city	child welfare	Haji Zaman	3006094233
81	Al-Mujahid Welfare Council, Mohallah Rami Khel, Musa Khel, Mianwali.	Local	Musa Khel	women welfare	Asmatullah Khan	3013951741
82	Pakistan Blind Association, Muslim Bazar, Mianwali.	Local	Mianwali city	Education	Samiullah Shah	459233815
83	Al-Qaim Welfare Society, Mohallah Gulab Shah Mari Indus, President Mianwali.	Local	Mari Indus	Women Welfare	Ghazanfar shah	33068436501
84	Flahi Organization, Wan Bachhran Road, Musa Khel, Mianwali.	Local	Musa Khel	women welfare	Mohamamd Yaqub	3446879949
85	Islamia Welfare Council, Mohallah Ramzan Abad, Mianwali.	Local	Mianwali city	women welfare	Habib-ur-Rehman	3006090167
86	Daudkhel Development Organization, Daudkhel City, Tehsil & Distt. Mianwali.	Local	Daud Khel	women welfare	Irfanullah Khan	3015749572
87	Public Welfare Council, Chakrala, Tehsil & District Mianwali.	Local	Chakrala	women welfare	Abdullah alvi	3006085597
88	Dehi Taraqiati Anjuman, Rokhri, Tehsil & Distt. Mianwali.	Local	Rokharri Morr	women welfare	Akram Khan	3345351000
89	Noor Women Welfare Organization, Mari Indus,	Local	marri Indus	women welfare	Mukhtiar Shaheen	3013951228

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Tehsil & Distt. Mianwali.					
90	Al-Falah Women Welfare Organization, Mohallah Kabir Khel, Mochh, Tehsil & Distt. Mianwali.	Local	Mochh	women welfare	Shahida Begum	3029354709
91	Women Welfare Society, Mari Indus, Tehsil & Distt. Mianwali.	Local	marri Indus	Education	Faiz Mohamamd Malki	3062687617
92	Nisa Welfare Org.	Local	Mianwali city	women welfare	Nasim Akhtar	3070447219
93	Tabeer Welfare Society	Local	Mianwali city	women welfare	Ghulam Shabbir	3336831237
94	Daud Khel Dev. Network Daud Khel	Local	Daud Khel	women welfare	Fouzia Parvin	3015749572
95	Ujala Health Org.	Local	Mianwali city	health	Ghulam Asghar Khan	
96	Sojhla Welfare Organization, Shaheen town Mianwali	Local	Shaheen Town Mianwali	Education	Hashim Khan	3336826009
97	Women Welfare Society Isa Khel	Local	Esa Khel	Women Welfare	Mrs. Shehzada Hashmi (P)	(0322-7609636)
98	Social Welfare Society Isa Khel	Local	Esa Khel	Women Welfare	Muhammad Rafique Khan (P)	03017809429
99	Ijtamai Traqiati Council Kaloor	Local	Kaloor	Women Welfare, Agriculture	Haji Atta Rasool Kanju (P)	03458965061
100	Samjai Behbood Council Trag	Local	Trag	Women Welfare, Agriculture	Zulfiqar Ullah Khan (P)	03018018609
101	Khuwaja Welfare Trag	Local	Trag	Health, Education, Islamic Study	Muhammad Alla-o-Din (P)	03018606551
102	Shabi Welfare Committee Mitha Khattak	Local	Mitha Khattak	Agriculture, Deeni Madrasa	Haji Khan (P)	03017800493
103	Islahi Committee Sultan Khel	Local	Sultan Khel	Women Welfare	Sahib Zali Khan (P)	03003968264
104	Piyyam Noor Welfare Foundation Kamar Mushani	Local	Kamar Mushani	Education	Qaisar Abbas Khan (P)	03067806112
105	Karwan Community Development Organization Kalabagh karwankalabagh@gmail.com	Local	Kalabagh	Micro Credit Interprises Programme	Khalil Ur Rehman Khan (P)	
106	Women Development Society Kalabagh	Local	Kalabagh	Women Welfare, Darse Quran	Foiza Saad (P)	3339831825
107	Isa Khel Welfare Society Isa Khel	Local	Esa Khel	Education	Atiq Ur Rehman Khan (P)	03016358734
108	Human Rights Welfare Orgination Isa Khel	Local	Esa Khel	Education	Javaid Khan (P)	03008525475

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
109	Anjuman Islah-e-Moashra Kundian Moh. Haji Alam Khan Kundian	Local	Kundian	Women Welfare	Inamullah Khan	3336836874
110	Hayat Welfare Society Kundian	Local	Kundian	Child Welfare	Attar Mehmood	3455835656
111	Anjuman Farogh-e-Talim Piplan	Local	Piplan	Women /Child Welfare	Zaheer Hashmi	3336833533
112	Tehsil Welfare Council Piplan	Local	Piplan	Child Welfare	Muhammad Aslam Khan	3013952594
113	Almustafa welfare society Kundian	Local	Kundian	Poor Student	Muhammad Saleem	3347647092
114	Anjuman Falah Moashara Alu wali	Local	Alluwali	Women Welfare	Haji Shafaulah	3465519765
115	Al-Falah Organization Harnoli	Local	Harnoli	Health/ Welfare	Rana Javed Jabbar	3006089889
116	Liaqat Abad Education Welfare Society Liaqat Abad	Local	Liaqat Abad	Women Welfare / Education	Molvi Zaheer Khan	3458886655
117	Mother Teresa Welfare Society Chak No. 17 ML	Local	17/ML	Child Welfare	Atif Shehzad Maseeh	3029300319
118	Shaheen Educational Welfare Society Kundain	Local	Kundian	Child Welfare	Shoukat Mehmood	3006092038
119	Women Welfare Council Mohalla Amam Barga Kundian	Local	Kundian	Women Welfare	Ruskana Buniad	3006080814
120	Shoban Welfare Society, Kundian	Local	Kundian	Education	Master Ghulam Yaseen	3336831567
121	Hodybia Welfare Organization Khanqah Sirajia	Local	Khanqah Sirajia	Child Welfare	Muhammad Abid	3347061751
122	Shadab Welfare Society Chak No. 05 DB	Local	5/DB	Child Welfare	Malik Allah Yar	3436653465
123	Women Development Form Kundian	Local	Kundian	Child Welfare	Samina Shaheen	3336833533
124	Shehbaz Welfare & Development Organization Kundian	Local	Kundian	Child Welfare	Atta Muhammad	3016720172

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

Sr. No	Name	Office	Resident	Fax/Mobile Number
1.	Deputy Commissioner, Mianwali	234300-231595	232555	234895 03040920076
2.	District Police Officer, Mianwali	920092,232704	920268	920030
3.	Additional Deputy Commissioner (Revenue) Mianwali	920393	235885	920149
4.	Additional Deputy Commissioner (General) Mianwali	234861	--	--
5	Assistant Commissioner Mianwali	920249	232759	-
6	Assistant Commissioner Piplan	201233	201433	-
7	Assistant Commissioner Isa Khel	285111	285015	-
8	Executive Engineer WAPDA Mianwali	920031	920032	-
9	ADLG & CD, Mianwali	920214	-	-
10	CEO (Health) Mianwali	920133	232201	-
11	MS DHQ Hospital, Mianwali	920222,232888	236236	-
12	Chief Officer, District Council Mianwali	920165-66	--	-
13	Chief Officer, M.C Mianwali	234659	--	230869
14	Chief Officer, M.C Piplan	201990	--	201981
15	Chief Officer, M.C Isakhel	285005		
16	Emergency DHQ Hospital, Mianwali	920148	-	-
17	PD Chashma	241289	241289	-
18	District Incharge Flood Relief and Protection Cell, Mianwali	920152	-	-
19	District Emergency Officer Mianwali	1122,920257	-	-
20	Assistant Agricultural Engineer, Mianwali	920200	-	-
21	D.H.O. Mianwali.	920138	-	-
22	District Food Controller, Mianwali	920169	-	-
23	Sub Divisional officer, Telephone.	232260	-	-
24	D.O Civil Defence Mianwali	0459 /920019		
25	Flood Emergency of D.C.Office	0459/230360 0459/920152	0459/232555	

EMERGENCY TELEPHONE NUMBERS LIVESTOCK DEPARTMENT MIANWALI DURING FLOOD CAMPAIGN.

Additional Director Livestock, Mianwali.	0459-920135	0300-6042880
Deputy Director Livestock Isahel.	0459-397388	0333-9927131
Deputy Director Livestock Mianwali.	0459-920136	0342-4236708
Deputy Director Livestock Piplan.	0459-201097	0303-0062300
Assistant Disease Investigation Officer, District Diagnostic Laboratory, Mianwali.	0459-920027	0333-4756571
Wireless Control.	0459-230003	-

ANNEX VIII: LIST OF VOLUNTEERS

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	M.Noman	38302-1463839-7	Mochh Kacha	03456855358	-	30 Min
2	M.Khalid	38302-3176064-7	Mochh Kacha	03327682142	-	1 Hour
3	Asim Khan	38302-1672185-7	Mochh Kacha	03027277290	-	45 Min
4	M.shoaib	38302-7895188-7	Mochh Kacha	03078099045	-	1 Hour
5	Aamir iqbal	38303-8341594-5	Mochh Kacha	03444611109	-	1 Hour
6	Asad Naveed	38302-3281333-9	Tari Khail Kacha	03151001011	-	45 Min
7	Aman Ullah	38302-1183436-3	Tari Khail Kacha	03426933197	-	30 Min
8	Muhammad Asif	38302-2069143-3	Tari Khail Kacha	03446867798	-	1 Hour
9	Kamran Khan	38302-3895976-5	Tari Khail Kacha	03016512230	-	45 Min
10	Fazal Rehman	38302-7174832-7	Tari Khail Kacha	03016512230	-	45 Min
11	Nasir Iqbal	38302-7515099-3	Rokhari Kacha	03013080950	-	1 Hour
12	M.Muzamil	383027857189-7	Rokhari Kacha	03167089520	-	1 Hour
13	Aamir Aziz	38302-6674238-7	Rokhari Kacha	03086357680	-	45 Min
14	Qasim Khan	38302-1239866-7	Rokhari Kacha	03067811116	-	45 Min
15	Hamza Khan	38301-7484299-9	Rokhari Kacha	03447974727	-	1 Hour
16	M. Aslam Khan	38302-5290386-3	Wandhi Ghund wali, Mianwali	03006093203	-	04 hours
17	Malik Ghulam Kamran	38302-2930511-3	Moh. Hashim Shah, Mianwali	03347651697	-	-do-
18	Qaiser Shehzad	38302-0287038-5	Moh. Chungi Seelwan , Mianwali	03045976802	-	-do-
19	Amir Iqbal	38302-3994099-7	Moh. Shehbaz Khel, Mianwali	03016056601	-	-do-
20	Muzamil Hussain	38302-7519360-9	Moh. Chungi Seelwan , Mianwali	03006080564	-	-do-
21	Habib Ullah	33202-7482765-9	Moh. Bori Khel, Mianwali	03017807045	-	-do-
22	Zulfiqar Ali	38403-95671425-7	Moh. Ramzan-a-bad, Mianwali	03087874162	-	-do-
23	Javiad Abbas Shah	38302-8513423-3	Moh. Alam Khel, Mianwali	03013519842	-	-do-
24	Munir Ahmad	38302-3741404-1	Moh. Hashim Shah, Mianwali	03120742026	-	-do-
25	Naeem Akhtar	38302-1247888-3	Moh. Yateem khana, Mianwali	03006091608	-	-do-

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
26	Khalid Aziz	38302-5474037-7	Moh. Shareefa-a-bad, Mianwali	03004836883	-	-do-
27	Rizwan Abbas Shah	38302-8382234-7	Wandhi Ghund wali , Mianwali	03447070299	-	-do-
28	Rehan Abbas Shah	38302-3379682-3	-do-	03458639906	-	-do-
29	Amir Zaman Shah	38302-6545829-3	-do-	03042052330	-	-do-
30	Atif Hussain Kazmi	38302-5956448-1	-do-	03007217524	-	-do-
31	Kashif Kazmi	38302-8702252-3	-do-	03117457253	-	-do-
32	Aziz-ur-Rehman	38302-6938376-1	Moh. Khanki Khel, Mianwali	03336833256	-	-do-
33	Jamshaid Khalid Kazmi	38302-1115335-5	Wandhi Ghund wali Mianwali	03023959312	-	-do-
34	Haji Manzoor Ahmad Khan	38302-1160749-3	Wandhi Ghund wali, Mianwali	03456109899	-	-do-
35	Zaheer Hussain Shah	38302-1202482-1	-do-	03115797824	-	-do-
36	Muhammad Ashraf Khan	38302-1180014-7	-do-	03006081718	-	-do-
37	Malik Muhammad Iqbal	38302-5084962-7	-do-	03446865648	-	-do-
38	Fateh Muhammad	38302-1082185-1	Moh. Qadir-a-bad, Mianwali	03347928032	-	-do-
39	Muhammad Zaka Ullah	38302-9330100-1	Village Betian, Mianwali.	03143175251	-	-do-
40	Asif Iqbal	38302-4393707-3	Moh. Chungi Seelwan , Mianwali	03336838744	-	-do-
41	Syed Ali Hussain Shah	38302-1144920-9	Moh. Hashim Shah, Mianwali	03145910519	-	-do-
42	Yasir Iqbal	38302-4952389-5	Moh. Chungi Seelwan , Mianwali	03087577169	-	-do-
43	Nasir Abbas Shah	38302-5184460-5	Wandhi Ghund wali, Mianwali	03157165097	-	-do-
44	Nadir Ahmad Khan	38302-6512877-1	-do-	03064851498	-	-do-
45	Mati Ullah Khan	38302-1222747-3	Village Mail, Mianwali	03336822726	-	-do-

ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Numbr	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA-71	Mr. Imran Ahmad Khan	MNA(PM)		PP-43	Mr. Abdur Rehman khan	MPA	
NA-72	Mr. Amjad Ali Khan	MNA	03018607030	PP-44	Ameen Ullah Khan	MPA	
				PP-45	Malik Ahmed Khan Bhacher	MPA	03006098001
				PP-46	Sardar Muhammad Sibtain Khan	MPA	03334332244

ANNEX XI: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: _____

Date: _____

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

District: _____

Date: _____

S#	Name of deceased	Father's name	Address	Domicile	Gender	Age	CNIC	Cause of death	Date of death	Place of death	Marital status	Next of kins (Name and Contact and CNIC etc.)	Verifying Officer (Name, Designation and Contact)	Compensation Paid or not
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P3: Injurd Person 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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P4: Cattle Head Perished

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____ Focal Person: _____ Date: _____

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

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

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

ANNEX XIII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

SR:#	NAME OF DIVISION	NAME OF EMBANKMENT / BUND	LENGTH (ft)
SARGODHA ZONE			
1	Rasul Head works Division	Right Guide Bund	2,121
2	-do-	Left Guide Bund	3,360
3	-do-	Right Guide Spur	2,762
4	-do-	Left Marginal Bund	17,170
Total in feet.			25,413
Total in Miles.			4.81
PMO BARRAGES			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
Total in feet.			25,080
Total in Miles.			4.75
FAISALABAD DIVISION			
1	Khanki Division	Left Marginal Bund	21,000
2	-do-	Right Marginal Bund	29,000
3	Jhang Division	Jhang Flood Protection Bund	43,875
4	Qadirabad Barrage Division	Left Marginal Bund	20,000
5	-do-	Right Marginal Bund	20,000
Total in feet.			133,875
Total in Miles.			25.36
BAHAWALPUR ZONE			
1	Punjad Head works Division	Right Marginal Bund	15,000
2	-do-	Left Marginal Bund	15,000
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	10,000
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-	Khargarh Flood Bund	5,000
7	-do-	Khanwah Flood Bund	5,000
8	Jampur Construction Division	Jampur Flood Bund	5,000
9	-do-	Rojhan Flood Bund	20,000
Total in feet.			1,35,000
Total in miles			25.57

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

INFORMATION REGARDING FLOOD BUND CATEGORY B

S#	Name of Division	Name of Embankment / Bund	Length (ft.)
SARGODHA ZONE			
1	Rasul Headworks Division	Important / Vulnerable Reaches	10,000
2	Bhakkar Division	-do-	10,000
3	Layyah Division	-do-	10,000
4	Jhelum Division	-do-	5,000
Total in feet.			35,000
Total in miles			6.63
FAISALABAD ZONE			
1	Khani Division	-do-	20,000
2	Jhang Division	-do-	50,000
3	Qadirabad Barrage Division	-do-	60,000
4	Burala Division	-do-	35,000
Total in feet.			165,000
Total in miles			31.25
BAHAWALPUR ZONE			
1	Punjad Headworks Division	-do-	90,000
2	Khanpur Canal Division	-do-	100,000
3	Bahawalpur Canal Division	-do-	50,000
4	Rahimyar Canal Division	-do-	50,000
Total in feet.			290,000
Total in miles			54.92
MULTAN ZONE			

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

ANNEX XIV: RIVER DISCHARGE RATES

River	Gauge Site	Designed Capacity (lac Cs)	Flood Limits in Lac Cs.				Exp. High
			Low	Med:	High	Very 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
CHENAB	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
	Marala	11	1	1.5	2	4	6
	Khanki	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
RAVI	Punjnad	7	1.5	2	3	4.5	6
	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
	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
SUTLEJ	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XV: LIST OF BASIC TERMS

Acceptable risk

The level of loss a society or community considers it can live with and for which it does not need to invest in mitigation

Biological hazard

Biological vectors, micro-organisms, toxins and bioactive substances, which may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation.

Capacity

A combination of all the strengths and resources available within a community, society or organization that can reduce the level of risk, or the effects of a disaster.

Capacity may include physical, institutional, social or economic means as well as skilled personnel or collective attributes such as leadership and management. Capacity may also be described as capability.

Capacity building

Efforts aimed to develop human skills or societal infrastructure within a community or organization needed to reduce the level of risk. In extended understanding, capacity building also includes development of institutional, financial, political and other resources, at different levels of the society.

Climate change

The climate of a place or region is changed if over an extended period (typically decades or longer) there is a statistically significant change in measurements of either the mean temperature or variability of the climate for that region.

Coping capacity

The means by which people or organizations use available resources and abilities to face a disaster. In general, this involves managing resources, both in normal times as well as during crises or adverse conditions.

Disaster

A serious disruption of the functioning of a community or society causing widespread human, material, economic or environmental losses which exceed the ability of the affected community or society to cope using its own resources. It results from the combination of hazards, conditions of vulnerability and insufficient capacity to reduce the potential negative consequences of risk.

Disaster risk management (DRM)

The comprehensive approach to reduce the adverse impacts of a disaster. DRM encompasses all actions taken before, during, and after the disasters. It includes activities on mitigation, preparedness, emergency response, recovery, rehabilitation, and reconstruction.

Disaster risk reduction/disaster reduction

The measures aimed to minimize vulnerabilities and disaster risks throughout a society, to avoid (prevention) or to limit (mitigation and preparedness) the adverse impacts of hazards, within the broad context of sustainable development.

Early warning

The provision of timely and effective information, through identified institutions, to communities and individuals so that they could take action to reduce their risks and prepare for effective response.

Emergency management

The management and deployment of resources for dealing with all aspects of emergencies, in particularly preparedness, response and rehabilitation

Forecast

Estimate of the occurrence of a future event (UNESCO, WMO). This term is used with different meanings in different disciplines.

Geological hazard

Natural earth processes that may cause the loss of life or injury, property damage, social and economic disruption or environmental degradation. For example earthquakes, tsunamis, volcanic activity and emissions, landslides, rockslides, rock falls or avalanches, surface collapses, expansive soils and debris or mud flows.