

DISTRICT DISASTER MANAGEMENT CONTINGENCY PLAN 2021



DISTRICT FAISALABAD



Clock Tower Faisalabad



Gumti



Chanab Club



Zila Council

Prepared by: District Administration, and Allied Departments, Faisalabad

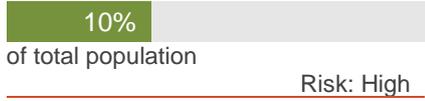
Approved by: Deputy Commissioner, Faisalabad.

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Estimated number of people at risk of **floods** in 2020



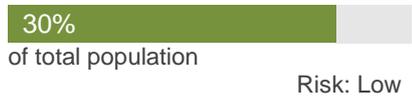
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Estimated number of people at risk of Hill Torrent in 2020



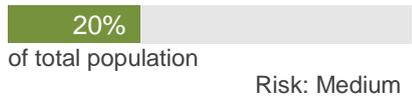
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Estimated number of people at risk of earthquake in 2020



XX

Estimated number of people at risk of epidemic in 2020



EXECUTIVE SUMMARY

Faisalabad is considered as third largest populated city. It is bounded in the north by Gujranwala and Sheikhpura Districts, east by Sahiwal District, South by Toba Tek Singh district and west by Jhang District. Tehsil Tandlianwala of District Faisalabad touches with river Ravi at Maripatan and is vulnerable to flood during monsoon season, however, no major flood is being experienced by the said Tehsil in almost last two decades. The emergency teams of District Administration, Faisalabad and allied agencies have adopted a proactive approach for tackling the flood emergency as well as other natural disasters.

However, the operational capacity of different rescue agencies needs to be improved and efforts for same are already under way. The foremost response objective is to protect the lives of citizens and facilitate them to their level of satisfaction. Above all, relief equipment and specialized human resource is working effectively under the guideline and strategic support of PDMA.

AIM AND OBJECTIVES

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

The main objectives of the plan include:

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

DISTRICT PROFILE

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1)	Population	78,73,910
2)	No. of Tehsils	6
3)	No. of Revenue Estates	809
4)	Population Density (people per km ²)	1237 sq.km
5)	Family Size	
6)	Pop Growth Rate	
7)	PCI	
8)	District GDP/Annual Income	
9)	Poverty Rate	
10)	Patient/Doctor Ratio	1,529
11)	AMR	8
12)	IMR	82/1000
13)	MMR	240/100000
14)	Literacy Rate	70
15)	Global Acute Malnutrition (GAM) rate	
16)	Severe Acute Malnutrition (SAM) rate	
17)	Percentage of population having access to clean drinking water	
18)	Annual Crime	

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
78,73,910					

Source/Note: Click here to enter text.

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

Source/Note: Click here to enter text.

Area (in acres)

Total Area of District in Km ²	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
1443704 Acres	1277572 Acres		

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
70%	68%	44%	77%	73%	72%	57%

Source/Note: Click here to enter text.

Government Schools

		Schools	Enrollment
Total/ Overall		2320	801661
Boys	Primary	753	216512
	Middle	172	96673
	High	227	65968
Girls	Primary	568	262061
	Middle	327	96581
	High	273	63866
Co-Education	Primary		
	Middle		
	High		
Special Education		15	

Private Schools

		Schools	Enrollment
Total/ Overall		5607	479672
Boys	Primary		
	Middle		
	High		
Girls	Primary		
	Middle		
	High		
Co-Education	Primary	1437	352445
	Middle	2568	72721
	High	1602	54506
Special Education			

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	179	8		17	3	207
No of Students						

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	291	5	4	97	397
Annual OPDs	650761	132018	156998	0	939777
No of beds	334	290	185	350	5990
Doctors Available	334	75	400		809
Paramedical staff					3069
Ambulances available	14	9	21	4	48
Mobile Medical Units					

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

Big Animals (cows, buffalos, camel etc.)

Main source of livelihood of the community?(in percentage)

Agriculture	Livestock	Poultry	Fish Farming	Services (Public & Pvt)	Business	Expatriates	Industrial Labor	Skilled Labor	Unskilled Daily Labor	General Labor
25%	2%	2%	1%	5%	15%	1%	27%	7%	12%	8%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	No. of Revenue Estates affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	1970	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2								
3								
4								

THE MAXIMUM DISCHAGE RECORDED DOWN

YEAR	DISCHARGE
1950	275000 Cs
1955	255000 Cs
1973	18300 Cs
1976	235000 Cs
1977	111000 Cs
1980	152000 Cs
1981	94000 Cs
1982	43000 Cs
1983	48000 Cs
1984	47010 Cs
1985	67586 Cs
1986	54590 Cs
1987	109700 CS
1988	381000 Cs
1989	114070 Cs
1990	68375 Cs
1991	73900 Cs
1992	102157 Cs
1993	104015 Cs
1994	95335 Cs
1995	222800 Cs
1996	220000 Cs
1997	156950 Cs
1998	74780 Cs
1999	4680 Cs
2000	77300 Cs
2001	46940 Cs
2002	25280 Cs
2003	43975 Cs
2004	74005 Cs
2005	40000 Cs
2006	22020 Cs
2007	36643 Cs
2008	57735 Cs
2009	41395 Cs
2010	36015 Cs
2011	23808 Cs
2012	29264 Cs
2013	97970 Cs
2014	118000 Cs
2015	54650 Cs
2016	27325 Cs
2017	36790 Cs
2018	37680 Cs
2019	34900 Cs

Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	1988				
2	2014				
3					
4					
5					
6					
7					
8					
9					
10					

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Sheikhupura, Nankana Sahib, Jhang, Toba Tek Singh, Chiniot, Sahiwal, Okara.
Topographical Features	Plain
Weather/Climate pattern	e.g. max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. Max.45C in summers and min-0C in winters.
Major Rivers	Name of river, passing through areas along with length in the district Major Barrages and their Flood levels River Ravi passing through areas of Tehsil Tandlianwala 70-KM Major Barrages-Nil. Flood levels
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Flood levels
Motorway/Highway	Vulnerable points of motorway/highway No Vulnerable points on motorway M-3/M-4
Railways	Vulnerable points of Railway No Vulnerable points of Railway in Faisalabad
Geological features	e.g. fault line, mountainous areas etc. Plain land area

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
Nil		X: Y:				
		X: Y:				

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/ vulnerable Points	GPS Location of Critical/ Vulnerable Points	Remarks
River Ravi (River Belt)				Muhammad Shahwala Flood Bund	RD 30+000 To RD 33+000	
Paton Sheraza				Kalera Bund	RD 5+000 To RD 13+200	
Mari Paton						
Malang Paton						
Mouza Sial						
Jhamra Mouza						
Mouza Budhan Shah						

Breaching Section

Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
Nil		X: Y:					
		X: Y:					
		X: Y:					

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
FESCO Head Quarter		X:320663.98 m E Y:3478325.91 m N	132KV MILLAT ROAD	132kv	X:320806.91 m E Y:3491108.68 m N
1st Circle Faisalabad		X:318696.56 m E Y:347760.84 m N	132KV MTM	132kv	X:343692.05 m E Y:3487827.85 m N
2nd Circle Faisalabad		X:317193.63 m E Y:3475745.80 m N	132KV MURID WALA	132kv	X:278683.02 m E Y:3419563.38 m N
132kv 103 RB KURRIANWALA	132kv	X:339066.96 m E Y:3481420.35 m N	132KV NARWALA ROAD	132kv	X:309813.04 m E Y:3480755.30 m N
132KV AA SPINNING	132kv	X:333858.05 m E Y:3485263.87 m N	132KV NEW NISHAT ABAD	132kv	X:322925.51 m E Y:3481943.95 m N
132KV AGRI UNIVERSITY	132kv	X:316597.84 m E Y:3481024.77 m N	132KV OLD THERMAL	132kv	X:320682.78 m E Y:3478540.39 m N
132KV BANDALA	132kv	X:345915.62 m E Y:3489226.33 m N	132KV RAFHAN	132kv	X:320477.32 m E Y:3477978.40 m N
132KV CHAK JHUMRA	132kv	X:328497.10 m E Y:3493017.92 m N	132KV SATIANA ROAD	132kv	X:322643.29 m E Y:3472636.47 m N
132KV CHINIOT ROAD	132kv	X:317020.42 m E Y:3486327.12 m N	132KV SCARP COLONY	132kv	X:328664.21 m E Y:3474835.57 m N
132KV FACTORY	132kv	X:317169.58 m E	132KV SITARA	132kv	X:346729.28 m E

AREA		Y:3475602.87 m N	CHEMICAL		Y:3489415.00 m N
132KV FIEDMC VAC	132kv	X:336161.11 m E Y:3487274.01 m N	132KV SMALL INS.ESTATE	132kv	X:315286.34 m E Y:3486175.21 m N
132KV GARH FATEH SHAH	132kv	X:313417.06 m E Y:3416954.47 m N	132KV SUMMANDRI	132kv	X:303019.56 m E Y:3438983.23 m N
132KV JARANWALA	132kv	X:350230.07 m E Y:3467307.29 m N	132KV SUMMANDRI ROAD	132kv	X:316367.42 m E Y:3471322.17 m N
220KV JARANWALA ROAD	220kv	X:323797.14 m E Y:3475185.34 m N	220KV SUMMANDRI ROAD EXT	220kv	X:317749.95 m E Y:3462119.40 m N
132KV JHANG ROAD	132kv	X:311043.00 m E Y:3475025.15 m N	132KV TANDLIANWALA	132kv	X:320395.85 m E Y:3434198.67 m N
132KV JK TEXTILE	132kv	X:341336.07 m E Y:3486415.55 m N	132KV THEHRIWALA	132kv	X:301152.04 m E Y:3470220.59 m N
132KV KAMAL PUR	132kv	X:313354.30 m E Y:3498742.68 m N	132KV SATIANA	132kv	X:324935.55 m E Y:3452832.05 m N
132KV KHADIM STEEL	132kv	X:328908.75 m E Y:3502215.23 m N	132KV FEDMIC SAHIANWALA	132kv	X:330303.43 m E Y:3502938.90 m N
132KV KHURRIANWALA	132kv	X:334128.56 m E Y:3485124.81 m N	132KV FEDMIC SAHIANWALA	132kv	X:330303.43 m E Y:3502938.90 m N
132KV MANJLA BAGH	132kv	X:297729.10 m E Y:3418235.13 m N			

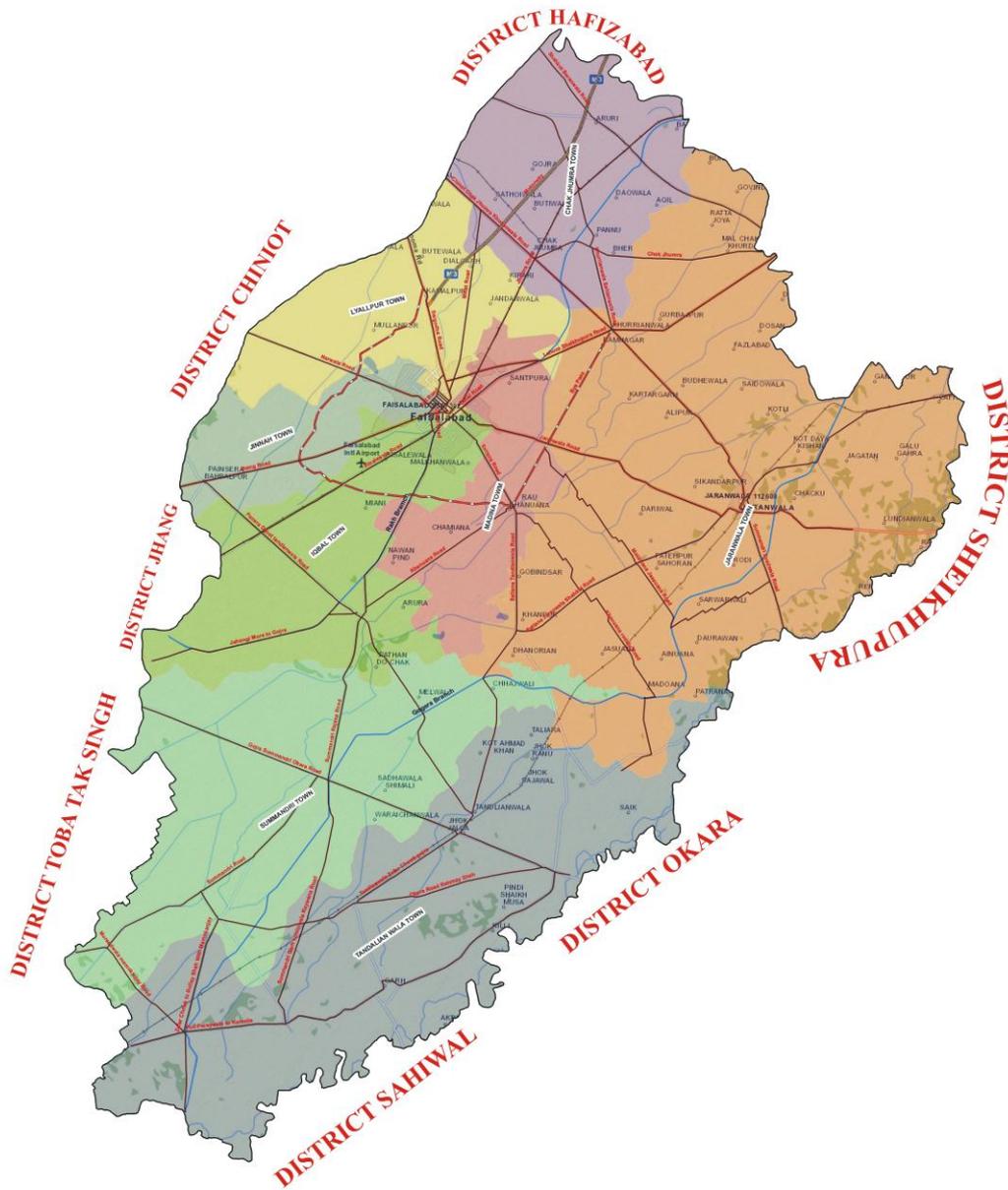
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Airport	Faisalabad International Airport	X:31 Y: 72			X: Y:
		X: Y:			X: Y:
		X: Y:			X: Y:
		X: Y:			X: Y:

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
Warehouse (Jinnah Town)		X:31°25'33.87"N Y: 73° 4'47.51"E	Warehouse (Lyalpur Town)		X:31°25'6.76"N Y: 73° 5'38.75"E
Warehouse (Iqbal Town)		X:31°25'5.66"N Y: 73° 5'38.89"E	Warehouse (Madina Town)		X:31°25'7.75"N Y: 73° 5'38.02"E
Warehouse (Tandlianwala)		X: 31° 2'0.57"N Y: 73° 8'17.82"E	Warehouse (ChakJhumra)		X:31°34'13.98"N Y: 73°11'8.31"E

District baseline/reference map



Source:

COORDINATION MECHANISM

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

The professional human resource of District Administration is the back bone of the all emergency operation in case of any disaster. The centralized control rooms established at Divisional and District level facilitate the stake holders and helps him creating good liaison among the allied departments like Rescue-1122, Civil Defence, Health, Education, Live Stock, Agriculture and Social Welfare etc. The volunteers of registered NGOs along with staff of civil defense always keep and eye on the pre-flood situation and apprise the District Administration regarding apprehended emergency situation.

UNIFIED COMMAND SYSTEM.



DDMA (composition, functions and responsibility)

- i. **Deputy Commissioner (Chairperson)**
- ii. City Police Officer.
- iii. Addl. Deputy Commissioner (Revenue) Addl. District Collector
- iv. Two Elected Representatives to be nominated by the Chair
- v. Representative of Pak Army
- vi. Two Representatives of NGOs/Civil Society to be nominated by the Chair
- vii. Addl. Deputy Commissioner (General)
- viii. Addl. Deputy Commissioner (F&P)
- ix. Executive Engineer, Highway Maintenance Division.
- x. Chief Executive Officer (Health)
- xi. Chief Executive Officer (Education)
- xii. Deputy Director Scoal Welfare.
- xiii. SP Special Branch
- xiv. XEN Irrigation / Public Health
- xv. Civil Defence Officer.
- xvi. Chief Officer, Municipal Corporation & Zila Council.
- xvii. All Chief Officers Municipal Committees in the District
- xviii. District Emergency Officer, Rescue 1122 (Secretary)
- xix. Representative of Red Crescent
- xx. Such other District level Officers to be appointed by District Government

FUNCTIONS & RESPONSIBILITIES.

To review & analyse monthly statistics related to all emergencies and formulate appropriate policies & take actions for prevention and mitigation of hazards endangering public safety.

Perform such other functions as may be assigned to it by the Provincial Authorities.

The Authority shall meet at least once in every month and may invite any person of the District as co-opted member.

Disaster Management Coordination Centre/Control Room (functions and responsibilities)

There must be a Control Center at District level for the rapid information and quick Coordination among all concerned Departments i.e. Police, traffic Police, Special Branch, Health, Rescue 1122, Building Department, XEN (Highway) Maintenance Divn. Roads), Waste Management Company, FESCO, Sui Gas, Public Relations, CO, Municipal Corporation, Social Welfare, WASA through wireless network in case of any disaster/emergency under the supervision of Deputy Commissioner/Controller Civil Defence. The district Control Center must be interlinked at Tehsil level. Municipal Corporation, Zila Council and each Municipal Committees must setup a sub control Center which will be interlinked with all the concerned emergency Departments at Tehsil Level under the supervision of Assistant Commissioner/Deputy Controller civil Defence.

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;

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- 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;
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- 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 Deputy Commissioner/District Collector, 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 CPO, DOs, XENs, CEOs, 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

Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees)

- Municipal Administration (Municipal Corporation) and Tehsil Administration (Municipal Committees) play an important role of providing municipal services in the district including clean drinking water, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees), will provide assistance to the District Government for setting up and management of relief camps/ operations.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) 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.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) employ de-watering sets to remove excess water. Municipal Corporation, Zila Council, Municipal Committees, are required to ensure the maintenance of all dewatering sets prior to the monsoon season and maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) 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 Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees), under the concerned Assistant Commissioner, i.e ADCs/ACs will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the, the local Municipal Administration (Municipal Corporation) Tehsil Administration (Municipal Committees) 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 Deputy Commissioner. The office of the Deputy Commissioner fully supported by the CPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, Municipal Corporation, Zila Council, Municipal Committees 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 Municipal Corporation, Zila Council, Municipal Committees.
- 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 Addl. Deputy Commissioner (Revenue) District Collector, The ADC (Revenue) would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
 - i. **Deputy Commissioner (Chairperson)**
 - ii. City Police Officer.
 - iii. Addl. Deputy Commissioner (Revenue).
 - iv. Two Elected Representatives to be nominated by the Chair
 - v. Representative of Pak Army
 - vi. Two Representatives of NGOs/Civil Society to be nominated by the Chair
 - vii. Addl. Deputy Commissioner (General)
 - viii. Addl. Deputy Commissioner (F&P)
 - ix. Executive Engineer, Highway Maintenance Division.
 - x. Chief Executive Officer (Health)
 - xi. Chief Executive Officer (Education)
 - xii. Deputy Director Social Welfare.
 - xiii. SP Special Branch
 - xiv. XEN Irrigation / Public Health
 - xv. District officer Civil Defense
 - xvi. Chief Officer, Municipal Corporation & Zila Council.
 - xvii. All Chief Officers Municipal Committees in the District
 - xviii. District Emergency Officer, Rescue 1122 (Secretary)
 - xix. Representative of Red Crescent

xx. Such other District level Officers to be appointed by District Government

- District Governments must establish a Disaster / Flood control room at the Deputy Commissioner's office, the numbers of which will be circulated to all concerned. The Disaster / Flood Control Room has to maintain updated information regarding the threat of disaster and statistics post disaster. The center will maintain a regular communication with the Flood Forecasting Division or the dam authorities up stream in case of a flood.
- The District 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.
- Executive District Officer (Health) will ensure the availability of adequate medicines for treatment of common issues, particularly for snake and dog bite cases and general vaccines at each relief camp.
- Deputy Director, (Agriculture) Extension, and Addl. Director 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)

There must be a Control Center at District level for the rapid information and quick Coordination among all concerned Departments i.e. Police, traffic Police, Special Branch, Health, Rescue 1122, Building Department, XEN, (Highways), Waste Management Company, FESCO, Sui Gas, Public Relations, Chief Officer, Municipal Corporation, Social Welfare, WASA through wireless network in case of any disaster/emergency under the supervision of Deputy Commissioner/Controller Civil Defence. The District Control Center must be interlinked at Tehsil level. The Municipal Corporation and Municipal Committees must setup a sub control Center which will be interlinked with all the concerned emergency Departments at Tehsil Level under the supervision of Assistant Commissioner/Deputy Controller Civil Defence.

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

The District Administration with the help of other allied departments meet any emergency and in case of big disaster, the Military Authorities are on board alongwith the Rangers. The District Monitoring Control Center is constantly keeping a close eye on the situational hazards and after assessing the situation inform the concerned Military Officer to intervene into the situation and tackle the emergency on quick response basis.

The basis aim of the civil-Military coordination is to reduce confusion, eradicate duplication of effort, provide a more effective operational process, improve the life saving and property protection effectiveness of the effort and most importantly, serve to provide a safer environment for the general public.

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	7	7	49
Urban Flooding	8	8	84
Flash Floods	8	8	64
Hill Torrent	2	2	4
Glacial Lake Outburst Flood (GLOF)	2	2	4
Landslide	2	2	4
Tornado	3	3	9
Earthquake	8	8	64
Drought	7	7	49
Epidemic	7	7	49
Fire Incidents	15	15	225
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	8	8	64
Environmental Hazards (industrial accidents, severe pollution etc.)	14	14	196

Risk = Impact x Likelihood

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

2. Hazards

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

In District Faisalabad, the communities are mainly effected from the pollution hazards, industrial hazards and fire incidents. In the past two or three decades there have been a large number of fire incidents occurred in different urban parts of the city, however the same were coped up with the specialize rescue agencies. Moreover, no major and minor flood has been seen during the period.

The main reason for the above mentioned hazards is the hugely established industry in the area that certainly provokes the incidents and at the same time the smoke and wastage of the industries have added in the problems faced by the citizens, however, with the help of industries and environment departments, the district Administration is working hard to minimize the damage caused by the above mentioned hazards.

Source:

3. Response & Operational Capacity

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

The District Administration, Faisalabad in the light of standing instructions of PDMA has emphasized upon the following relief efforts at the time of any emergency or disaster.

- ✓ Establishment of Relief Desk and appointment of Focal Person at District/Tehsil level with phone/cell numbers.
- ✓ Buildings of Educational Govt. as well as Private institutions along with detail of other suitable buildings of Govt./Private sector including Mills etc. for immediate shifting of effected persons in case of natural disaster.
- ✓ Govt./Private Hospitals with their capacity and available facilities.
- ✓ Availability and number of Ambulances with staff at Govt./Private sector.
- ✓ Availability of Machinery and staff like Generators, Excavator, Crane, Bulldozers, Damper, Truck, Street Light Vehicle, Jetting Machine, Sucker Machine, Water Tanker, Bouzer, Tractor, Trolley, Blade, Loaders, Dewatering set, Sullage Pumps, etc. with all Govt./Private departments/ organizations, mills etc. for Rescue of humans, removal of structure, clearance of roads
- ✓ Availability of Fire Brigade vehicles with staff.
- ✓ Availability of uniform/quick approach at the point of incident.
- ✓ Appointment/deployment of "Special Squad" containing technical staff with equipment's, heavy machinery, vehicles, welding plants, cutters, safety wears, censer/deductor, oxygen and necessary equipment's for digging etc.
- ✓ Availability of manpower, like TMA workers, Private Organizations workers, Civil Defence, Rescue-1122, Army etc.
- ✓ Food Godowns/Floor Mills, Hotels, Livestock and Dairy Farms etc.
- ✓

In pursuance of the minutes of the meeting regarding assessment of dangerous buildings in the Punjab conveyed from Provincial Disaster Management Authority, Lahore, the District Technical Committee, Faisalabad was constituted vide Notification No.(3)29 ADC(G) dated 13.02.2017 on the following TORs.

- ✓ To devise design methodology and steering of survey of public and private dangerous buildings in the District and to make policy recommendations.
- ✓ To revise the existing building laws of public and private sector and suggest necessary amendments for improvement if any and their effective implementation.
- ✓ To review the enforcement mechanism of legal regime of all concerned departments and propose an integrated, coherent and well-coordinated implementation strategy for enforcement of rules and regulation in true letter and spirit in this realm.
- ✓ To identify capacity gaps of each agency and recommend sustainable measures to enhance the engineering, human resource and technical capacity to cope with any major disaster.

4. STRATEGIC RESERVES

Items	Available	Functional	Non-Functional	Extra Demand
Boats	12 (05 From PDMA & 07 by Rescue)	12		
OBM	10 Trakers installed on 05 OBM Out of 10 (by PDMA) And installed trakers are functional.	10		
De-watering sets	121	121		05
Navigators				10
GIS devices				15
Life Jackets	151	151		50
Life Ring	30	30		
Life Lines	04	04		
Scuba diving suit with complete accessories	06	06		
First Aid Kits	300	300		
Rescue Bag	03	03		
Safety Harnesses	12	12		
Ambulances	39	39		
Fire Brigade	24	24		
Water Tanks / Bouzers	13	13		
Extendable Ladders	11	11		
Hydraulic Cutter	2	2		
Sonar Rader				
Jumping Sheet	13	13		
Dumpers	10	10		
Excavators	3	3		
Cranes	2	2		
Bulldozer	2	2		
Boat Carrier/Trolleys	2	2		
Searchlight	42	42		
Tent	138	138		
Mosquito Net	-	-		100
Plastic Mat	120	120		
Blanket	-	-		
Any other main relief/rescue equipment				
Generator Sets	14	14		
Gas-Cutters	2	2		
Navigator/GPS Tracker	-	-		
Floating Rope	22	22		
Folding Table	1	1	0	
Folding Chair	30	30		
Rain Shoes	100 Pairs	100 Pairs.		
Stretcher	15	15		
Lifting Bags with Hydraulic Pumps				8
Combination Tool(Spreader/Cutter)				2
Rams with Hydraulic Pumps				8

Jumping Cushion Sheet (4m*6m)with Pump				4
Delsar Life Detector Search Camera with Accessories.				1
GPS System with accessories.				10
Bulit proof Jackets.				10
Bulit Proof Helmat				10
DroownCamers				2
Manual Hydraulic Bar Cutter(Singal hand operated)				2
Heavy Duty Electric/Hydraulic Cheeping Hamer(500 Watt) with multiple vits.				4
Hydraulic K-12/25 Cutter with multiple blades.				4
Hydraulic Jackets				8
Flame Cutter with four extra cylander				2
Heaving duty extension wire (50 meter)				10
Working Gloves.				100 Pairs.
Knee/Elbo Pads.				100 Pairs.
Sleeping Bags.				50
Back Packs (Water Proof Jackets).				50
Safety Goggies.				50
Safety Helmat with attach torches.				50
Triped (2 ton) with extra pulleys and chain pulley System.				2
FINDER (Finding individuals for disaster and emergency response) Radar.				1
Trolly mounted 25 KVA Genrator				1
Indicident Command Post (Portable Control Room with attached bath,Communication System- LED & Meeting Table and chairs Temprature control environment.				1

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.)*

The District Administration, Faisalabad is already conducting mock exercises to counter the threat of disaster in each Tehsil of District Faisalabad with the assistance of concerned Assistant Commissioners and allied departments.

However, the specialize training modules are needed to enhance the operational capacity of concerned departments so that they may be able to control any emergency situation.

MITIGATION STRATEGY

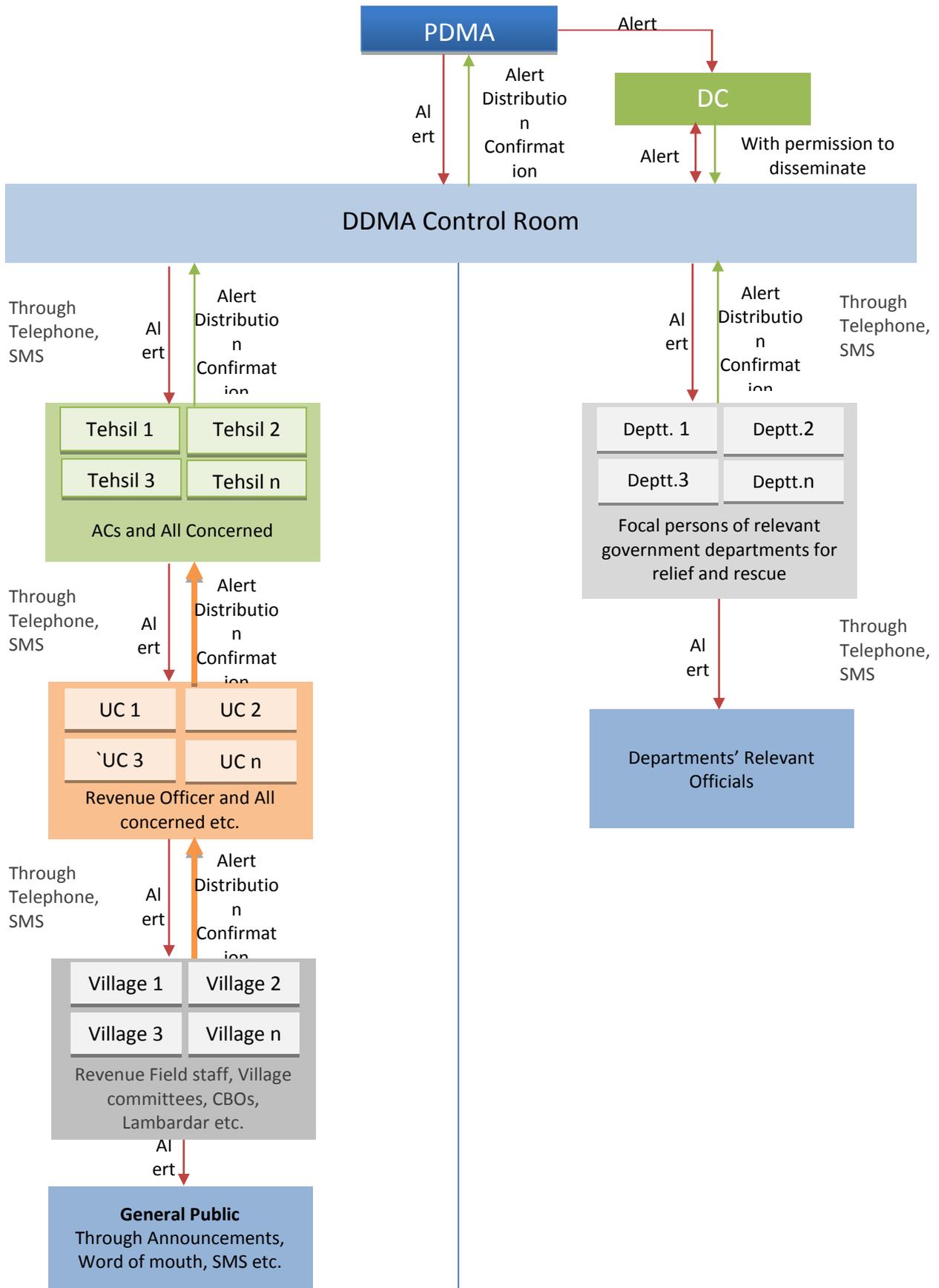
- ✓ Briefly describe what measure could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	Evacuation	Rescue 1122
Urban Flooding	De-watering from low lying areas	WASA/FWMC Fire Brigade
Flash Floods	Evacuation	Rescue 1122
Hill Torrent	First AID /Shifting	Rescue 1122
Glacial Lake Outburst Flood (GLOF)		
Landslide	First AID / Shifting /Rescue / Evacuation	Rescue 1122
Tornado	First AID /Shifting	Rescue 1122
Earthquake	Incidental earthquake. (First AID/Shifting/Search)	Liaison with Provincial Authorities. (Rescure 1122)
Drought	First AID /Shifting	Rescue1122
Epidemic	First AID /Shifting	Rescue 1122
Fire Incidents	Fire Fighting / First AID /Shifting / Rescue	Fire Brigade/Civil Defense. Rescue 1122

<p>Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)</p>	<p>First AID/ Shifting/Rescue, Actions by Traffic, Motorway, Highway Police with the assistance of volunteers of Civil Defence and NGOs.</p>	<p>Rescue1122, Civil Defence, NGOs, Police.</p>
<p>Environmental Hazards (industrial accidents, severe pollution etc.)</p>	<p>Close vigilance of TMA Authorities over the Building Plans, Factory Layout plan. Monitoring of industries and labour department.</p>	<p>Industry Department, Labour Department, Municipal Corporation Z.C. MCs, Civil Defence. Rescue 1122.</p>

EARLY WARNING

Information Flow Diagram



Alertness Levels

Following four levels alertness have been established:

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

Early Warning

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

Who is the focal person at district level?

Functions of District/Tehsil Emergency Control Rooms in early warning

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

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

-
- i). The early warning will be received from the Provincial Disaster Management Authority, District Officer (Coordination), Faisalabad is the focal person in the District.
 - ii). The District & Tehsil emergency control room on receiving any information/warning from the concerned authority disseminate the information to the concerned Rescue and Relief Department, the evacuation of the people, animals is carried out and relief camps will be established.
 - iii). It is the duty of Patwaries and lower field staff to inform the people living in the flood prone area to buckle up and further transport them to relief camps already established by the District Administration.

RESCUE STRATEGY

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

The District Administration, Faisalabad being the authority is responsible to inform the allied department like, Municipal Corporation, Municipal Committees, Education, Health, Live Stock, Agriculture, Rescue 1122, civil Defence etc. to remain vigilant and assist the persons if displaced and affected during the emergency time.

In case of major earthquake and epidemic, the Army may also be engaged to help out the District Authorities to control the menace.

The list of relief camp sites of Tehsil Tandlianwala is attached herewith.

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*
1. The damage and losses will be collected through concerned Assistant Commissioners of the tehsils who after visiting the spots report the factual data to the district authorities for further necessary action.
 2. The priority needs i.e. food, shelter, health etc. will be determined as per intensity of the incident and relief equipment will be provided after due verification.
 3. The departments of Civil Defence and Rescue 1122 along with revenue field formation will coordinate and apprise the effected population regarding the disaster situation and provide them due shelter for their facilitation.
 4. Food, shelter, health etc.
 5. The standard of packages/kits e.g. food, tents will be at par with the international standard.
 6. All the relief providing agencies will work in their allocated spheres after registration and District Administration will ensure the non duplication of efforts.
 7. The standards of the camps will be good for the affected people.
 8. There is no major flood emergency noted during the past decade. However, the need assessment was already sent to the PDMA.
 9. The close liaison with the concerned departments is needed to control the extreme emergency situation (if any) so that all the major issues can be addressed properly and in adequate manner.

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

RELIEF CAMP TANDLIANWALA



RELIEF CAMP SATIANA



Relief Camp Khurrianwala



RELIEF CAMP CHAK JHUMRA





MC JARANWALA



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

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Tandlianwala	73,74,82,83, 89,95, 96	Mehr shahna, Kundnaika Wali, Kallan Naikan Wasli (Salam), Alam Shah Khagha, Pindi Sheikh Musa, Arazi Dhna Singh, Jhalar Rajoka (Salm), Tiba Dhak Sallah, Thatha Baig, Thatha Ismail, Chapan Sae Kay, Tehli Khichain, Jaka Wattoo, Makhan Wattoo, Haji Watoo, Malang, Jhamra, Jungle Sarkar, Jungle Sakar Khas, Sae Kay, Sarwar Kay, Jori (Salam), Dhodera, Hassukay, Kamokay, Sial, Chak No. 610/GB, Khurdanika Wasli, Sheraza, Naika Wasli, Abu-Vehniwal, Walewali, Alam Shah Taja, Hakeem Ka Kathia, Bhullay Shah, Khichi Ameer, Jatkay Hayyat Kay, Jali Tarhana, Jali Fatiana, Killianwala, Waan Raja Dulu 53/3-Tukra, 53/4-Tukra.	
Urban Flooding				
Flash Floods				
Hill Torrent				
Tornado				
Earthquake				
Drought				
Epidemic				
Environmental Hazards (industrial accidents, severe pollution etc.)				

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	BHU 644/GB	X: 73.61 Y: 31.32	Primary	Dr. Bilal 0331-2428082	FLOOD
2	BHU 629/GB	X: 73.56 Y: 31.29	PRIMARY	Dr. ALeem Imtiaz 0333-4023770	FLOOD
3	BHU 653/GB	X: 73.48 Y: 31.27	PRIMARY	Dr. Muhammad Muneeb 0313-2696933	FLOOD
4	BHU 353/GB	X: 73.42 Y: 31.28	PRIMARY	Dr. Khadija Ashraf 0302-3302300	FLOOD
5	BHU 379/GB	X: 73.43 Y: 31.24	PRIMARY	Dr. Mubashra Khan 0346-6659596	FLOOD
6	377/GB	X: 73.37 Y: 31.14	PRIMARY	Dr. Maham Bashir 03334-6633362	FLOOD
7	BHU 581/GB	X: 73.40 Y: 31.16	PRIMARY	Dr. Talat Jabeen 0306-7270473	FLOOD
8	BHU 597/GB	X: 73.26 Y: 31.04	PRIMARY	Dr. Waseem Akram 0348-5796502	FLOOD
9	MOZA JHAMRA	X: 73.01 Y: 31.69	PRIMARY	Dr. Muhammad Khalid Pervaiz 0300-7695655	FLOOD
10	BHU 594/GB	X: 73.21 Y: 31.06	PRIMARY	Dr. Aiman Sarfraz 0313-7683051	FLOOD
11	BHU 608/GB	X: 73.24 Y: 30.94	PRIMARY	Dr. Tania Niaz 0300-4112269	FLOOD
12	BHU SHERAZA	X: 73.03 Y: 30.93	PRIMARY	Dr. Rabeiya Ashraf 0334-6762141	FLOOD
13	BHU JALI FATIANA	X: 72.91 Y: 30.84	PRIMARY	Dr. Arfah Zafar 0336-7296121	FLOOD
14	BHU 558/GB	X: 72.85 Y: 30.77	PRIMARY	Dr. Zia Ur Rehman 0300-4493666	FLOOD
15	BHU 506/GB	X: 72.74 Y: 30.77	PRIMARY	Dr. Faiza Ghufuran 0301-5768688	FLOOD
16					

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GGPS PAK AWAMI KALIM SHAHEED COLONY- 2	School	x:31°26'06.1"N y: 73°01'38.1"E	173	NIGHAT SULTANA	3338382242
2	GGES MUSLIM MODEL K SAHEED COLONY-2	School	X: 31°26'13.8"N Y:73°01'32.9"E	368	Ghazala Kousar	03326636846
3	GPS MC MODEL TOWN A FSD	School	X:31°25'17.9"N Y:73°04'26.0"E	118	HINA TARIQ	3017055449
4	GHSS SABRIA SIRAJIA PEOPLES COLONY NO. 2 FSD	School	X:31.3934382, Y:73.0	2533	AMIR HAMEED	03216693915
5	GGPS 145 RB-I	School	X:31°25'54.5"N Y:73°05'17.1"E	128	SAMRA RIASAT	3336524408
6	GGES 161 RB	School	X:31.36913127, Y:73.0	338	Nighat Yasmin	03019665772
7	GOVT COMMUNITY MODEL GIRLS E/S 199 RB FAKHAR ABAD	School	X:31°28'11.9"N Y:73°12'18.0"E	723	GHAZALA NAHEED	3477759192
8	GGES 114 JB	School	X:31°33'59.0"N Y:73°05'58.9"E	182	SHAMIM AKHTAR	3017042107
9	GGPS 87 JB	School	X:31.23730779, Y:72.8	63	GHAZALA HANIF	03428153404
10	GGPS 263 RB-II No. 2 Dijkot	School	X:31°13'08.3"N Y:72°59'26.9"E	341	ANJUM NAHEED	3084461270
11	GGPS 263 RB-III DIJKOT	School	X:31°12'48.4"N Y:73°00'15.3"E	374	RAZIA BIBI	03024998258
12	GGPS 254 RB KANSIWALA	School	X:31.25442421, Y:73.01	29	SHAZIA YAQOOB	03078027351
13	GGPS 271 RB-II	School	X:31°10'41.7"N Y:72°54'33.0"E	86	ASIA ANJUM	03067119560
14	GGES 29 JB-SOUTH	School	X:31°27'37.8"N Y: 72°55'12.1"E	288	QURAT-UL-AIN	03468906071
15	GES 190 RB	School	X:31°32'33.2"N Y: 73°09'34.7"E	415	DILAWAR HUSSAIN	3331927110
16	GPS 197 RB-II	School	X:31°29'19.0"N Y:73°10'46.1"E	150	MIDET SHAFIQUE	3497202492
17	GES 191 RB WEST	School	X:31°30'50.1"N Y: 73°10'06.1"E	388	MUHAMMAD ZAHID	3341790510
18	GES 3 JB RAM DEWALI	School	X:31°32'25.0"N Y:73°03'25.6"E	286	MR. AMJID	0311-6388482
19	GPS 4 JB -II	School	X:31°32'47.2"N Y:73°04'05.3"E	131	MUHAMMAD TARIQA	0345-7806437
20	GPS 268 RB-II	School	X:31°11'27.6"N Y:72°57'15.3"E	80	MUHAMMAD MUDASSAR	3367971259
21	GPS 261 RB-I	School	X:31°12'53.0"N Y:72°59'48.1"E	225	MUHAMMAD RIAZ	0345-7779461
22	GPS 237 RB	School	X:31°19'09.9"N Y:73°08'10.0"E	74	MUHAMMAD Naveed	0333-8984214

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
23	GPS 228 RB-II	School	X:31.3818294, Y:73.1	249	Mr. Touseef.	0345-7839066
24	GPS 129 GB	School	X:31°12'19.4"N Y:73°07'08.4"E	198	MUHAMMAD ABID ALI	03007218032
25	GES 116 JB	School	X:31°32'29.6"N Y:73°07'30.9"E	415	MUHAMMAD ILYAS	3477642270
26	GPS 29 RB-N	School	X:31°29'03.0"N Y:72°55'21.1"E	243	Mr. Abdul Ghaffar	0342-7377729
27	GPS 62 JB	School	X:31°25'37.8"N Y:72°55'26.6"E	135	Mr. Ghulam Mohyuddin	0343-7825711
28	GGES 106 GB	School	X:31°22'29.5"N Y:73°18'53.0"E	778	Aneela Kiran	03413763518
29	Community Model P/S GGPS 59 GB WEST	School	X:31°23'16.0"N Y:73°25'04.1"E	245	Noreen Ghafar	03367958923
30	GGES 58 GB	School	X:31°24'58.3"N Y:73°26'55.0"E	798	Kousar Parvin	03086241718
31	GGHS CHAK 105 GB	School	X:31°24'13.1"N Y:73°18'02.0"E	758	Sidra Nasim	0349-1740154
32	GGHS CHAK 100 RB	School	X:31°27'54.0"N Y:73°21'28.7"E	473	SHAZIA SHOUKAT	03327140678
33	GES 274 GB	School	X:31°10'07.0"N Y: 73°20'37.4"E	329	MUMTAZ HUSSAIN	03457832074
34	GHS 107 RB	School	X:31°25'52.1"N Y:73°17'41.7"E	1305	Irfan Ali	3326803094
35	GGHS 240 GB	School	X:31°18'52.8"N Y: 73°25'45.6"E	1305	NIGHAT HAMEED	3457905038
36	GGPS HOUSING COLONY SAMUNDRI	School	X:31°03'46.0"N Y:72°57'59.5"E	99	FARIDA YASMEEN	3338924290
37	GHS 222 GB	School	X:31°03'45.6"N Y:72°49'46.1"E	343	ARIF ALI	3407720083
38	GGPS NO.7, Tandlianwala	School	X:31.0372406244277, Y:73.1	271	SairaRafique	03075665548
39	GGES NO.1, Tandlianwala	School	X:31°02'00.9"N Y: 73°08'00.6"E	960	MALIKA HUMIRA	3327133960
40	GGES418 GB	School	X:31°04'43.8"N Y:73°06'34.4"E	214	Ujala Akbar	0334-7766120
41	GGES 430 GB	School	X:31°07'24.9"N Y:73°10'11.8"E	257	FarhatBatool.	03070969172
42	GGPS 412 GB	School	X:31°00'07.1"N Y:73°08'45.3"E	168	RASHIDA PERVEEN	3326927206
43	GGES 545 GB	School	X:30°52'23.1"N Y: 72°55'00.8"E	174	Ayesha Yaqoob	0333-6554898
44	GGPS BULE SHAH	School	X:30°44'03.0"N Y:72°48'58.1"E	72	TAIBA NOREEN	3336311410
45	GGPS THATHA ALIKACommunity Model.	School	X:30°44'06.0"N Y:72°49'15.3"E	63	Aysha Ghafar	03366671785
46	GGPS ARAZI DHAN SINGH	School	X:30.9345120191574, Y:73.1	180	SHAHNAZ NOORIN NARGIS	03426770479
47	GES 593 GB	School	X:31°04'43.5"N Y:73°12'30.7"E	253	Mr. Abdullah Bhatti.	0300-9725009

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	SITARA CHEMICAL INDUSTRIES LTD.	32 KM SHEIKHUPURA ROAD, FAISALABAD.	X: 31.53 Y:73.38	Chemicals	Shahid Sarfaraz (GM) Operation 041-4689141	MEDIUM	HAZARD/FIRE
2	SITARA PEROXIDE LTD.	26 KM SHEKIHUPURA ROAD, FAISALABAD.	X: Y:	Chemicals	Irsahad Ali Sindhu Manager HR 041-2400901-2	MEDIUM	HAZARD/FIRE
3	IBRAHIM FIBRES LTD	38-40 KM SHEKHUPURA ROAD, FAISALABAD.	X: Y:	Chemicals	Mr. Nadeem Ashraf Director 0300-8651956	MEDIUM	HAZARD/FIRE
4	POWER CHEMICAL INDUSTRIES (PVT)LTD.	103/RB, TEHSIL JARANWALA.	X: Y:	Chemicals	Mubashir Ali Dir. Finance 0324-7121212	MEDIUM	HAZARD/FIRE
5	GMSA INDUSTRIES(PVT)LTD	232/RB, TEHSIL & DISTT. FAISALABAD.	X: Y:	Chemicals	Muhammad Asif Dir. 0300-8666818	MEDIUM	HAZARD/FIRE
6	KARSS PAINT INDUSTRIES	TAJ MARKET MILLAT ROAD, FAISALABAD.	X: Y:	Chemicals	ShahidRazakSika Dir. 0300-8662273	MEDIUM	HAZARD/FIRE
7	PROGRESSIVE PAINT INDUSTRIES,	PLOT NO.1, BAZAR NO.1 RACHANA TOWN, SATIANA ROAD, FAISALABAD.	X: Y:	Chemicals	Mr. Shakeel Anwar Dir.0300-8665088	MEDIUM	HAZARD/FIRE
8	SYMRES PAINTS &ALLIED INDUSTRIES,	KOHINOOR ST. SARGODHA ROAD, FAISALABAD.	X: Y:	Chemicals	Mr. M Amjad 041-8860460	MEDIUM	HAZARD/FIRE
9	Lyallpur Chemical	Jaranwala	X: Y:	Chemical	Shafaqat Hussain (Manager Production) 0301-7873108, 041-4313022	Low	Fire
10	N.M Chemical Industries	Faisalabad, Road Jaranwala	X: Y:	Chemical	Imran Saeed 0321-9667788	Low	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
11	Captain PQ Chemical Industries	Sargodha Road Faisalabad	X: Y:	Chemical	M Ayub Khan (Plant Manager) 0300-3594550	Medium	Fire
12	Pagel Pakistan (Pvt.) Ltd.	Sahianwala Road, Khurrianwala Faisalabad	X: Y:	Chemical	Sajid Mahmood 041-8507212	Medium	Fire
13	Badar Munir Chemical	Mamoon Kanjan Faisalabad	X: Y:	Chemical	Muhammad Ashraf (Manager) 0300-7232554	Low	Fire
14	Ghaba Chemicals	Sargodha Road Faisalabad	X: Y:	Chemical	Ajaz Ahmed 03228665730	Low	Fire
15	Paracha Chemical	68 More Jhang Road Faisalabad	X: Y:	Chemical	Ahmed Naeem Butt (Manager) 0300 6640057	Low	Fire

ANNEXURE VI.

DISTRICT WISE DETAILS OF AVAILABLE HUMAN AND MATERIAL RESOURCES OF SOCIAL WELFARE AND BAIT-UL-MAAL DEPARTMENT, FAISALABAD.

Name of District	Focal Person/s	Relief Camps	Relief Centers	Officials Available (Gazette d/Non-Gazette d)	Name of NGO	Name of NGO's Representative/ Contact No.	Philanthropist/ Donor Agencies	Available Human and Material Resources(Volunteer/Available with the NGOs)			
								No. of Volunteers(Facilitators in Relief Operations)	No. of Blood Donors	No. of Swimmers	Other Material Resources
Faisalabad	1.Mr. Tayyab Bhatti, SWO 2. Mr. Muhammad Tanveer Tariq SWO	1. D-Ground Peoples Colony 2. Dhudi Wala Jaranwala Road 3 Chak No.276/RB 4. Chak No.199/RB	Social Welfare Complex 508-D peoples Colony No.1, Faisalabad	Muhammad Yasir J/C 0302-7115108 2. Ali Raza Supervisor	1.Faisalabad Welfare Forum Fowara Chowk Faisalabad 2. Ali Zaib Foundation, Fsd 3. Khair-ul-Nas Welfare Organization 202/RB fSD 0300-7602843 4. Umar Welfare Society, Fsd 5. Ithad Welfare Society, Fsd 6. Sath Welfare Organization, Fsd 7. Al-Huda Welfare Organization, Fsd 8. Tamir Welfare Organization warispuramian colony fsd.	Dr. Jaffar Hassan Mubarik 0333-7659572 2. Mirza Iylas Baig 0321-6681534 3. Muhammad Akram 041-2660335 4. Dr. Masood Ahmed 041-2660335 5. Tahir Afzal 0300-6001467 6. Muhammad Shahid 0346-7220346 7. Dr. Niala Mehmood 041-8733910 8. Romail Anthony 03006650184	1. Dr. Jaffar Hassan Mubark 0333-7659572 2. Shahnwaz-ul-Hassan 0300-8669386 3. Mian Aftab Ahmed 041-8711445-46 4. Khawaja Shahid Razzaq Saqa 0300-8662273 5. Saith Iftikhar Ahmed 0300-8663800 7. Yaqoob Ali Bajwa 0333-4379115	15	50	Nil	Ambulance Nos. FSF-2416 FSG-3245
	1. Zill-e-Huma SWO 2. Kashif Nisar SWO 1. Zill-e-Huma SWO 2. Kashif Nisar SWO	Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad.	Khair-un-Nisa Social Welfare Organization 59 J.B Natho Chak Fsd. Millat Welfare Society Noor-al-Ameen Colony Fsd. Khair-un-Nisa Social Welfare Organization 59 J.B Natho Chak Fsd. Millat	Total 4 (2 SWO-Gazette d & 1 JC & 1 Naib Qasid SWO Total 4 (2 SWO-Gazette d & 1 JC & 1 Naib Qasid SWO Total 4 (2 SWO-Gazette d & 1 JC & 1 Naib Qasid SWO Total 4 (2 SWO-Gazette d & 1 JC & 1 Naib Qasid SWO	1. Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	30	45	-	Free Medicines along with Medical & Pera Medical Staf will be available.

1. Zill-e-Huma SWO 2. Kashif Nisar SWO 1. Zill-e-Huma SWO 2. Kashif Nisar SWO		Welfare Society Noor-al-Ameen Colony Fsd. Khair-un-Nisa Social Welfare Organization 59 J.B Natho Chak Fsd. Millat Welfare Society Noor-al-Ameen Colony Fsd. Khair-un-Nisa Social Welfare Organization 59 J.B Natho Chak Fsd. Millat Welfare Society Noor-al-Ameen Colony Fsd. Khair-un-Nisa Social Welfare Organization 59 J.B Natho Chak Fsd. Millat Welfare Society Noor-al-Ameen Colony Fsd.	Total 4 (2 SWO- Gazzeted & 1 JC & 1 Naib Qasid SWO Total 4 (2 SWO- Gazzeted & 1 JC & 1 Naib Qasid SWO	Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.							
	Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad.	1. Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Dr. Khalid Shehzad 0306-4842711. 2. Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Dr. Khalid Shehzad 0306-4842711. 2. Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	30	45	-	Free Medicines along with Medical & Pera Medical Staf will be available.			
	Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad.	1. Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Dr. Khalid Shehzad 0306-4842711. 2. Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Dr. Khalid Shehzad 0306-4842711. 2. Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	30	45	-	Free Medicines along with Medical & Pera Medical Staf will be available.			
	Al-			1. Al-Mustafa	Dr. Khalid	Dr. Khalid	30	45	-	Free	

		Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad.		Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963				Medicines along with Medical & Pera Medical Staf will be available.
		Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad.		1. Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	30	45	-	Free Medicines along with Medical & Pera Medical Staf will be available.
		Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road		1. Al-Mustafa Welfare Society Opposite Islamia Collage Masjid Sargodha Road Faisalabad. 2. Human Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al-Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	Dr. Khalid Shehzad 0306-4842711. 2 Altaf Haideri 0301-6703732 3. Dr. Anwar 0300-6687296. 4. Dr. Sajjid 0315-7861366. 5. Nadeem Ahmed 0300-6642963	30	45	-	Free Medicines along with Medical & Pera Medical Staf will be available.

		Faisalabad.			Faridum Orginazation 314- A Ghulam Muhammad Abad Fsd. 3. Madina Welfare Society Chak No. 220 R.b Babo Wala Jhang Road Fsd. 4. Al- Falah Welfare Foundation Chak No. 81 J.B Pandori Fsd. 5. Hayat Foundation St# 3 Shaikh Colony Jhang Road Fsd.	Dr. Sajjid 0315- 7861366. 5. Nadeem Ahmed 0300- 6642963	0300-6642963				will be availa ble.
Nasir Mehmood SWO RCD Project Samundri	Samundri and Tandlian wala	Samundri and Tandlian wala	1. Muhamad Amar Junior Clerk 0309- 0942062 2. Muhamm ad Zubair 0331- 7505474	1 Mukhtar Welfare Foundation Samundri 2 Young Welfare Society Samundri 3 Al- Fazilat Welfare Foundation Chak No. 463/GB Samundri	Mian Muhammad Khalid 0300865219 4 SH. Haroon Irshad 0321794919 7 Atiq-ur- Rehman Randawha 0334- 4942358	Mian Muhammad Khalid 03008652194 SH. Haroon Irshad 03217949197 Dr. Muneer Naz 03334364883	10	25	-	Medicines for Medical Camp-	
Nafar Iqbal UCD Project Jaranwala	1 (Hospital Tereek- e- Khidmat- e-Insani Faisalabad Road Jaranwala)	2 (Commun ity Center Anjuman Islah-e- Moashra Islam Pura Jaranwala & Social Welfare Society Chak No.33/G B Satiana Jaranwala	Total 3 (1 SWO- Gazzetted) (1 JC & 1 SSW Non Gazzetted)	i. Behbood-e- Niswan Welfare Society Jaranwala ii. Jaranwala Welfare Society main road Islam Pura Anwrabad Jaranwala. iii Tereek-e- Khidmat-e- Insani Jaranwala iv. Anjuman Islah-e- Moashra Islam Pura JRW v. Anjuman Falah-e- Moashra Chak No.200/RB vi. Al Shaoor Welfare Association 97 RB. vii. Social Welfare Society Satiana Adda viii. Social Welfare Society 33/GB	Mrs. Ayesha Rai 0343- 7770245 Munir Hussain 0303- 9236110 Sheikh Riaz 0300- 7847810 Shahid Iqbal 0300- 6538597 Mian Atif Noor 0346- 7763769 Mr.Saleem Tahir 0300- 7610053 Mussrat Jabeen 0341- 7740830 AD Anjum 0300- 6620533	Ashraf Monga Rep. of Anjuman Tajran JRW (0345-6532558) Sheikh Asim Sheikh Motors Jaranwala (0333-6665773) Sheikh Naveed ul Hasan Sheikh cloth House Jaranwala (0321- 7950071) Mirza Ahmad Punjab Hardware (0300-7843829) Dr. Aftab Ahmad Chatha Hospital JRW (041-4312904)	15	25	-	Free Medicines along with Medical & Para Medical Staff will be availa ble	

					Jaranwala						
	Ms. Muzzama Ashfaq SWO CD Project Chak Jhumra	1) Green market Chak jhumra	2) Community Center Public welfare society Chak no 189 rb And Islami social welfare society Chak no 102 JB	Total 3 (1 SWO-Gazetted) (1 JC & 1 SSW Non Gazetted)	i. Alfalah welfare organization Chak Jhumra ii. Public welfare society Chak no 189 rb iii. Idara brae bahali mazoorafrad chak no 165 rb iv. Social welfare society chak no 189 rb v. Knowledge base welfare society chak no 110 jb vi. Islami social welfare society chak 102 jb Burj vii. Anjuman falaho behood chak no 142 rb viii. young welfare society chak no 104 jb	Mian zafar iqbal 03007696956 Mian liaqar ali 0300-7678489 Dr Plaus sajid 0300-7603384 Tariq Mehmood 0300-6611824 Tathir ul Haq 0345-2600418 Nabeeb Ullah 0346-7644842 Gulzar ahmed 0301-3651375 Ch Abdulsattar 03366581515	Mian Muhammad Asif 0300-7609163 Sheikh Muhammad Ajmal 0321-6683350 Malik Muhammad azam 0300-9657491	15	15	-	Free Medicines along with Medical & Para Medical Staff will be available

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Focal Person for Disasters				
2	Commissioner	Mr. Saqib Manan	041-9201717 041-9201718	041-9201701	
3	RPO	Raja Rifat Mukhtar	041-9200610		0333-6639282
4	Deputy Commissioner	Muhammad Ali	041-9200205 041-9200206	041-9200208 041-9200209	
5	CPO	Ch. Sohail	041-9200233-34		0300-8613502
6	ADC(Revenue)	Mr. Fazal E Rabi	041-9200306		0331-4222771
7	DEO Rescue 1122	Mr. Ehtisham Walha	9201111		0333-8881122
8	DO Civil Defence	Mr. Muhammad Abbas	041-9201359		0342-4206484
9	SNA	Mr. Muhammad Amin	041-9201493		0300-6691431
10	AC – City	Syed Ayub Bukhari	041-9200311		0300-9680888
11	AC – Sadar.	Mr, Umer Maqbool	041-9200782		0321-3219221
12	AC –ChakJhumra	Mr. Haider Ali	8527399		0321-9099086
13	AC –Jaranwla.	Mr. Zain Ul Abdin	041-4312913		0333-2977027
14	AC – Samundri.	Mr. Faisal Sultan	041-9240079		0300-6525722
15	AC -Tandlianwala	Mr. Nouman Ali Dogar	041-3441009		0310-4250518
16	Tehsildar–City	Rana Ahsan			0303-7777865
17	Tehsildar–Sadar.	Mr. Saqib Ali Khan			0300-6606943
18	Tehsildar– ChakJhumra	Mr. Mazhar Abass			0300-6365660
19	Tehsildar– Jaranwala	Mr. Sajid Mahmood			0334-7753097

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
20	Tehsildar -Samundri	Mr. Muhammad Naveed			0300-4088434
21	Tehsildar– Tandlianwala	Rana Ejaz Ahmad Khan			0300-9691637
22	Chief Officer, Metropolitan Corporation Faisalabad	Mr. Naeem Ullah Warriach	041-9200077		0302-7154299
23	Chief Officer, Zila Council.	Malik Muhammad Ashraf	041-9201395		0301-5604617
24	Chief Officer ChakJhumra	Mr. Ishtiaq Ahmed	041-8761300		0346-5092440
25	Chief Officer Jaranwala	Mr. Arif Warraich	041-4312913		0344-7467843
26	Chief Officer Samundri	Abdul Ghafoor Kamoka	041-8761700		0300-2037380
27	Chief Officer Tandlianwala.	Mr. Pervaiz Akhtar	041-3442921		0300-7522493
28	CEO Education Authority	Mr. Ali Ahmad Sian	041-9220342		0300-4751360
29	DD Agrlculture Extensionon	Mr. Khalid Mahmood	041-9200754		0300-7606841
30	Chief Engrn. Irrigation	Mr. Riaz Shahid	041-9200268		0300-9650355
31	XEN (Highway) Maintenance Divn.	Rana Azhar Hussain	041-9200359		
32	DD Scoial Welfare.	Mr. Khalid Bashir	041-9220026		0303-6262955
33	XEN BuldingDivn-II	Mr. Mansoor Haider Bukhari	041-9200461		0302-9567538
34	CEO Health Authority.	Dr. Muhammad Bilal	041-9200013		0321-9665464
35	DMO	Ms. Sanam Gondal	041-9200891		0300-8942719
36	MS DHQ Hospital	Dr. Habib Ahmed	041-9200140		0300-9650130
37	Veterinary Officer (DO Livestock)	Dr. Attah Subhani	041-9201050		0322-6221933

ANNEX XIII: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
101 – Chak Jhumra	Ch. Muhammad Asim Nazir		0300-8666666	97 – Chak Jhumra	M. Ajmal Cheema		0300-8659160
				99 – ChakJhumra	Ali Akhtar		0302-8666888 0300-0344440
102 – Jaranwala	Malik Nawab Sher Waseer		0345-4220000	100- Jaranwala	Ch. Zaheer-ud-Din		0321-3611112
				102– Taranwala	AdilParvaiz		0300-6668174 0345-6666174
				105- Samundri	Hafiz Mumtaz Ahmad		0300-8652194
105 - Sadar	Raza Nasrullah Ghuman		0321-8665582 0300-8665582	105-Sadar	Umar Farooq		0300-6666434
107 – City	Khurram Shehzad		0300-0661919 0301-8655402	110 – City	Khiyal Ahmad		0321-7211624
108 – City	FarrukhHabib		0321-8181400	111 – City	ShakeelShahid		0300-8660166
109 – City	Faiz Ullah Kamoka		0300-8658800	113 – City	M. Waris Aziz		0302-8644048
110 – City	Raja Riaz Ahmed		0321-8651155	114 – City	M. LatifNazar		0300-6601661
Special Seat	Rai Fardous Rehana		0320-8660192				

ANNEX X: LOCAL GOVERNMENT

DISTRICT AND TEHSIL LEVEL

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	District Faisalabad	Faisalabad City	Zulqarnain Shah	MO (I&S)	0347-7894953
2		Faisalabad Sadar	Imtiaz Ali	Sab Engineer	0344-4082768
3		Faisalabad Chak Jhumra	Shabaz Ahmed Wahla	MO (I&S)	0336-6813008
4		Faisalabad Jaranwala	Arif Warraich	CO MC	0344-7467843
5		Faisalabad Samundri	Ashiq Husain MO(Infrastructure)		0334-7206505
6		Faisalabad Tandlianwala	Saqib Ali Khan	Tehsildar	0300-6606943
7					
8					
9					
10					
11					
12					
13					
14					

Town Level

S#	Tehsil	TC	Chair	Chair Contact	Vice Chair	VC Contact
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						

ANNEX X: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: Faisalabad

Date: 15.06.2020

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)
Nil													

P2: Deceased Person Reporting Performa

District: _____

Date: _____

S#	Name of deceased	Father's name	Address	Domicile	Gender	Age	pCNIC	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
Nil														

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
Nil											

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.
Null										

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
Null											

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
Null									

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
Null											

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
Nil										

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.
Nil							

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
1.	Office of the Muncipal Committee Samundri	Mr. Shahzada Iqbal J/C	Mr. Syed Javad Iqbal Termizi J/C	Mr. Zia Ul Hassan J/c	041-9240027	Nil	samundrimc@gmail.com

2.	Office Of the Assistnat Commissioner Tandlianwala	Saqib Ali khan Tehsildar			041-3441205	Nil	Ac.tandlianwala@gmail.com
3.	Office of the Municipal Complex	Wajid Anwar Sub Engineer	Azhar Mahmood Sub Engineer	Zain Ul Abdin Sub Engineer	041-9200568	Nil	Nil

ANNEX XI: 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 XII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

SR:#	NAME OF DIVISION	NAME OF EMBANKMENT / BUND	LENGTH (ft)
SARGODHA ZONE			
1	Rasul Head works Division	Right Guide Bund	2,121
2	-do-	Left Guide Bund	3,360
3	-do-	Right Guide Spur	2,762
4	-do-	Left Marginal Bund	17,170
Total in feet.			25,413
Total in Miles.			4.81
PMO BARRAGES			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
Total in feet.			25,080
Total in Miles.			4.75
FAISALABAD DIVISION			
1	Khanki Division	Left Marginal Bund	21,000
2	-do-	Right Marginal Bund	29,000
3	Jhang Division	Jhang Flood Protection Bund	43,875
4	Qadirabad Barrage Division	Left Marginal Bund	20,000
5	-do-	Right Marginal Bund	20,000
Total in feet.			133,875
Total in Miles.			25.36
BAHAWALPUR ZONE			
1	Punjnad Head works Division	Right Marginal Bund	15,000
2	-do-	Left Marginal Bund	15,000
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	10,000
Total in feet.			55,000
Total in Miles.			10.42
MULTAN ZONE.			
1	Trimmu Division	Right Marginal Bund	20,000
2	-do-	Left Marginal Bund	20,000
3	Sulemanki Division	Left Marginal Bund	10,000
4	-do-	Right Marginal Bund	10,000
5	Shuja Canal Division	Right Bank of Shujabad Branch	10,000
6	-do-	Akbar Flood Bund	10,000
Total in feet.			80,000
Total in Miles.			15.15
D.G.KHAN ZONE			
1	Taunsa Barrage	Right Guide Bund Upstream	15,000
2	-do-	Left Guide Bund	20,000
3	-do-	ShahwalaGroyne	10,000
4	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	50,000
5	-do-	Doaba Flood Bund.	5,000
6	-do-	Khangarh Flood Bund	5,000
7	-do-	Khanwah Flood Bund	5,000
8	Jampur Construction Division	Jampur Flood Bund	5,000
9	-do-	Rojhan Flood Bund	20,000
Total in feet.			1,35,000
Total in miles			25.57
LBDC(IP)			
1	Balloki Head works Division	Left Marginal Bund	15,000

2	do	Right Marginal Bund	15,000
		Total in Feet	30,000
		Total in miles	6
LAHORE ZONE			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	10,000
2	do	Rayya flood Bund	5,000
3	Pasrur Link Division Sialkot	City Flood Protection Bund along AikNullah	7,340
4	do	Hajoipur Flood Protection Bund along AikNullah	86,00
5	do	Left Flood Protection Bund over degNullah from defence embankment to ZafarwalaKingra 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	RasulHeadworks 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	PunjnadHeadworks 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
<u>D.G.KHAN ZONE</u>			
1	Taunsa Barrage	-do-	80,000
2	KotAdu 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
<u>LBDC (IP)</u>			
1	BallokiHeadworks 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
<u>LAHORE ZONE</u>			
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
<u>PMO BARRAGES</u>			
1	Jinnah Barrage	-do-	20,000
	Total in feet.		20,000
	Total in miles		3.79
	Grand Total (in miles)		350.76

ANNEX XIII: 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
	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
CHENAB	Marala	11	1	1.5	2	4	6
	Khanki	8	1	1.5	2	4	6
	Qadirabad	9	1	1.5	2	4	6
	Trimmu	6.45	1.5	2	3	4.5	6
	Punjnad	7	1.5	2	3	4.5	6
RAVI	Jassar	2.75	0.5	0.75	1	1.5	2
	Ravi Syphon	4	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
SUTLEJ	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XIV: 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.