

DISTRICT DISASTER MANAGEMENT PLAN 2021

Division: FAISALABAD
District: Toba Tek Singh



IDP Camp in 2009



Earthquake



Floods in 2014



Fire incident at Lahori Gate, Lahore – Jan 2020

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torrent in 2020

EXECUTIVE SUMMARY

Disaster Management Plan of District Toba Tek Singh has been prepared keeping in view historical occurrences of disasters incidents. Flood has been most frequent incident with few incidents of Tornados & Fire incidents. Incidents of earth quakes have also increased in recent past raising alarm for all stake holders.

Flood

Estimated number of people at risk of in 2020



In Toba Tek Singh flood season normally include period from July to September. First flood contingency plan was prepared in 1975 & it has been revised every year. Toba Tek Singh experienced highest flood levels in year 2014 and the same are taken as bench Mark Flood Estimated number of people at risk of floods in 2021

This plan covers measures for pre, during & post phases of disaster, gives snap shot of available resources & mechanism for their efficient & effective utilization under close coordination of all stake holders.

Earthquake

Estimated number of people at risk of Earthquake in 2020



Epidemic

Estimated number of people at risk of epidemic in 2020



Cross Border Firing

Estimated number of people at risk of Cross Border Firing in 2020



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	21,90,015
2.	No. of Tehsils	4
3.	No. of UCs	87
4.	No. of Revenue Estates	544
5.	Population Density (people per km ²)	500
6.	Family Size	5
7.	Pop Growth Rate	1.59
8.	PCI	
9.	District GDP/Annual Income	
10.	Poverty Rate	
11.	Patient/Doctor Ratio	
12.	AMR	
13.	IMR	65
14.	MMR	178 per 1000
15.	Literacy Rate	58%
16.	Global Acute Malnutrition (GAM) rate	
17.	Severe Acute Malnutrition (SAM) rate	
18.	Percentage of population having access to clean drinking water	
19.	Annual Crime	

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
21,90,015					

Source/Note: Click here to enter text.

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

Source/Note: Click here to enter text.

Area (in acres)

Total Area of District in Km ²	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
3,252	807238	654827	

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
70.12%	%	%	%	%	%	%

Source/Note: Click here to enter text.

Government Schools 1182

Private Schools 930

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	38	2	2	4	9	55
No of Students						421625

Health

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	105	4	0	68	177
Annual OPDs	1627358	1131021	0	N/A	2758379
No of Beds	322	617	0	376	1315
Doctors Available	139	269	0	120	528
Paramedical staff	386	279	0	68	733
Ambulances available	3	3	0	7	13
Mobile Medical Units					0

Livestock: Small Animals (goats, sheep etc.): **415492**Big Animals (cows, buffalos, camel etc.) **757197**

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
70 %	70%	5%	0.5%	5%	10%	%	1.5 %	3%	3%	10 %

Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	1976	Flood	-	-	High flood of 235000 CS
2	1977	Flood	-	-	High flood of 111000 CS
3	1978	Flood	-	-	
4	1981	Flood	-	-	High flood of 94000 CS
5	1988	Flood	-	-	High flood of 381000 CS
6	1995	Flood	-	-	High flood of 222800 CS
7	1996	Flood	-	-	High flood of 220000 CS
8	1997	Flood	-	-	High flood of 156950 CS
9	1998	Flood	-	-	Low flood of 74780 CS
10	1999	Flood	-	-	Low flood of 46530 CS
11	2000	Flood	-	-	Low flood of 77300 CS
12	2001	Flood	-	-	Low flood of 46940 CS
13	2002	Flood	-	-	Low flood of 25280 CS
14	2007	Flood	-	-	Low flood of 36643 CS
15	2008	Flood	-	-	Low flood of 57735 CS
16	2009	Flood	-	-	Low flood of 41395 CS
17	2010	Flood	-	-	Low flood of 36015 CS
18	2011	Flood	-	-	Low flood of 23808 CS
19	2012	Flood	-	-	Low flood of 29264 CS
20	2013	Flood	-	-	High flood of 97970 CS
21	2014	Flood	-	-	High flood of 118000 CS
22	2015	Flood	-	-	Low flood of 54650 CS

23	2016	Flood	-	-	Low flood of 27325 CS
24	2017	Flood	-	-	Low flood of 36790 CS
25	2018	Flood	-	-	Low flood of 37680 CS
26	2019	Flood	-	-	Low flood of 34900 CS

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Faisalabad, Jhang, Khanewal, Sahiwal
Topographical Features	Topographically, it is a vast level plain with average elevation of 500 ft A.M.S.L. and forms part of the Sandal Bar and Rechna Doab. It is bounded on the North by District Jhang and on the North-West by Tehsil Kabirwala, District Khanewal; on the Eastern and South-Eastern side, District Sahiwal stretches on the other side of the River Ravi. The South-Eastern and Eastern sides are bounded by Samundri and Faisalabad. Generally underground water-table in the District is high. A vast area of Gojra sub-division is already in the grip of water logging and salinity. The areas falling in Toba Tek Singh sub-division along Gojra sub-division are also being rapidly affected by water logging and salinity. Some portion of Kamalia sub-division especially Revenue Circle Darkhana has also been affected by water logging and salinity. The average rain-fall in the District is hardly 7.50" annually.
Weather/Climate pattern	e.g. max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. The Toba Tek Singh lies on 161m above sea level Toba Tek Singh has a desert climate The Köppen-Geiger climate classification is BWh. In Toba Tek Singh , the average annual temperature is 24.8 °C 76.6 °F. About 255 mm 10.0 inch of precipitation falls annually. Max. 42C and min 6C. Temperature.
Major Rivers	Name of river, passing through areas along with length in the district Major Barrages and their Flood levels Ravi The floods originate from the Ravi River that runs along the southern and southeastern borders.
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Flood levels Nil
Motorway/Highway	Vulnerable points of motorway/highway M-4 =Gojra · Toba Tek Singh · Shorkot · Abdul Hakeem · Khanewal · Multan. Highway system. Roads in Pakistan. The M4 (Urdu: موٹروے 4is a (north-south motorway in Pakistan. The 309 km motorway M3 motorway The M3 is a north–south motorway in Pakistan, connecting the Lahore end of the M2 to M4 near Abdul Hakeem. The M-3 motorway is parallel motorway of M-4 motorway and took eastern route from Lahore to Abdul Hakeem city, while M-4 motorway which connects M-2 to same Abdul Hakeem city.
Railways	Vulnerable points of Railway

	Faislabad to Karachi via Tehsil Toba Tek Singh Lahore to Karachi via Kamalia
Geological features	e.g. fault line, mountainous areas etc. No fault line, no mountainous area.

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
Nil		X: Y:				
Nil		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
Bund Mohammad Shah Wala.	7.7 miles				X: Y:	
Bund Kalera.	5.2 miles				X: Y:	
Bhoosi Spur	1 mile					
Right Marginal Bund						
J-head Spur 99500						
X-Spur 108500						

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		
Kamalia	Kamalia	X: Y:					1037 people will be effected
JHAKHAR	JHAKHAR	X: Y:					54562 people will be effected
BHUSSI		X: Y:					39405 people will be effected
PIR MAHAL	Pir Mahal						28750 people will be effected
SANDHILIANWALI							30810 people will be effected
DARKHANA							23535 people will be effected

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Grid Station TTSINGH	132 KV	X: Y:	Grid Station Pir Mahal	132	X: Y:
Grid Station, NTDC, Toba	220KV	X: Y:	Grid Station Kamalia	132 KV	X: Y:
Grid Station Gojra	220 KV	X: Y:			X: Y:

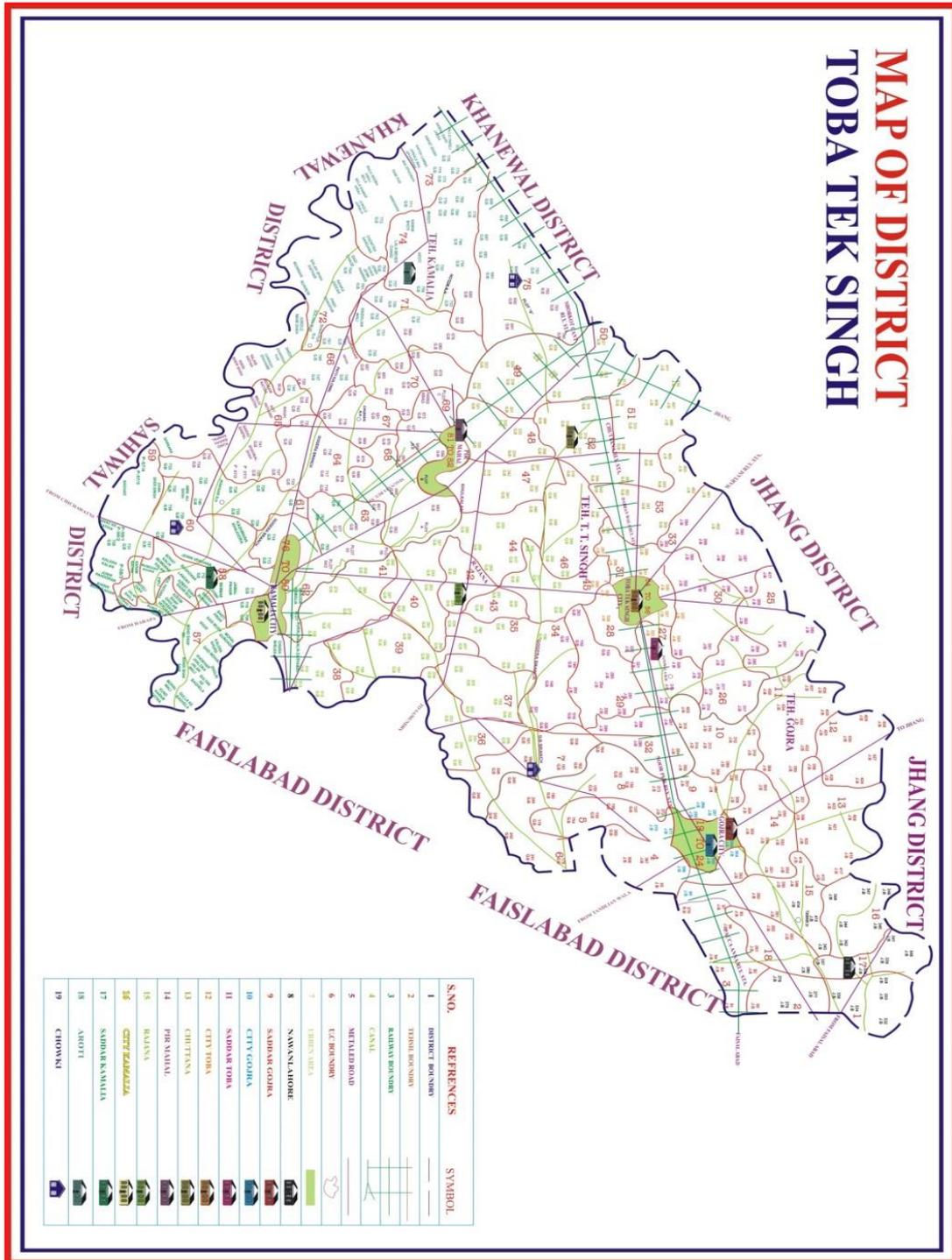
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
NA		X: Y:			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
Wheat Procurement Centre TOBA TEK SINGH	13000	30°58'0.37"N Y: 72°28'39.48"E	CHUTTIANA	12500	X:30°52'21.86"N Y: 72°21'24.85"E
RAJANA	12000	X:30°51'26.77"N Y: 72°33'15.20"E	JANIWALA	9000	X:31° 2'46.79"N Y: 72°34'49.75"E
KAMALIA	26004	30°44'1.41"N 72°38'3.81"E	PIRMAHAL SET-I	20000	30°45'35.13"N 72°25'37.86"E
PIRMAHAL SET-II	17000	30°45'49.53"N 72°25'20.53"E			

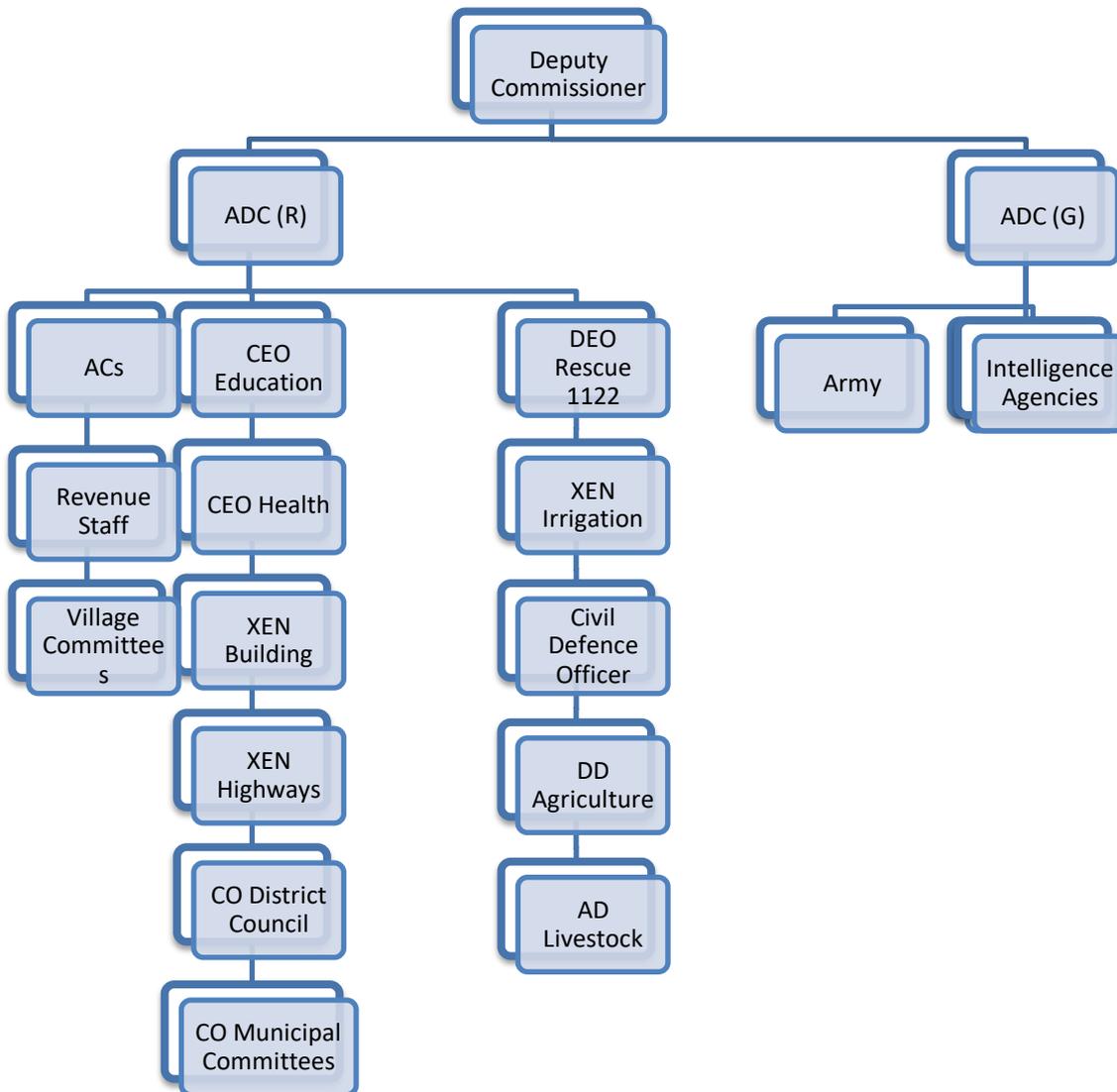
District baseline/reference map



Source:

ANISM

Coordination Organogram (including Sector lead agencies/departments, Military, NGOs and Volunteers)
 The District Disaster Management Authority consisting of following members:-



DDMA (composition, functions and responsibility)

DDMA Comprising of the following:

Deputy Commissioner - Chairman

DEO Rescue 1122 - Secretary

Members: ADCR, All ACs, All Chief Officers DC/MCs, All CEOs, All XENs, All DDs.

Functions and Responsibilities.

- I. Prepare a disaster management plan including district response plan for the province.
- II. Co-ordinate and monitor the implementation of the National Policy, Provincial Policy, National Plan, Provincial Plan and District Plan.
- III. Ensure that areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the Local Authorities.
- IV. Ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and Provincial Authority are followed by all departments of the government at the district level and local authorities in the District.

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

The Following should be the Mechanism:

- I. The control room is the nodal center in terms of disaster management.
- II. To monitor, coordinate and implement the actions for disaster management.
- III. To ensure an information system on a routine basis from the District Heads of Departments on the vulnerability of various blocks and villages.
- IV. To make arrangements for dissemination of information to all vulnerable places.
- V. To report the ground situation and the action taken by the District Administration.
- VI. To have a list of all personnel and trained persons who could be contacted at any time.
- VII. To organize post disaster evaluation.
- VIII. To develop liaison with the operation center. Site operation center is the center in the disaster site to be set up
- IX. Coordinating among response and rescue department for timely rescue and reporting to Govt. / PDMA for additional rescues.
- X. To organize post disaster evaluation.

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

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

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

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

District Plan:

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

Additional Powers of District Authority:

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

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

Revenue Department (Functions and Responsibilities)

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

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

- Post damage assessment should be carried out by joint teams constituted of patwaris, teachers, and agriculture field assistants. Technology should be involved and android sets should be used to gather accurate data.
- Round the clock active control rooms should be set up and the numbers be circulated to all concerned. The control rooms should be equipped with wireless, telephones and computers. All info gathered or received should be conveyed to the concerned. The control room should have representatives of concerned departments such as police, health, 1122, and revenue.
- Early warning is critical in saving lives. The local revenue officials along with local police should be deployed to warn the people against the oncoming disaster and to urge them to vacate the disaster prone areas and villages. Loudspeakers, mosque speakers and word of mouth should be used. Banners and posters can also be used.
- Data collection is of prime importance and the senior network administrator should be declared as the focal person for collection of relevant information such as number of casualties, damages to infrastructure, injured, perished livestock etc. for onward submission to PDMA etc.
- Mock exercises should be carried out along with all concerned departments specially 1122, Police, civil defence and Pakistan army regarding the action plan during any emergency or flood. This will give a fair idea about the preparedness of the district.
- Availability of vehicles should be ensured for use during any emergency especially off road vehicles like jeeps.
- Suitable locations should be identified for accommodating armed forces like the Pakistan army. Normally schools, colleges or stadiums are allocated for the armed forces

Checklist for Revenue Department:

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

Metropolitan / Municipal Corporations

Municipal / Town Committees

- Local Bodies 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.
- Local Bodies will provide assistance to the District Administration for setting up and management of relief camps/ operations.
- Local Bodies are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- Local Bodies 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.
- Local Bodies sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.

- Local Bodies employ de-watering sets to remove excess water. All Local Bodies are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The Local Bodies maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Local Bodies 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 Local Bodies under the concerned Administrator i.e Commissioner / DC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the Local Bodies manpower can be effectively used for the distribution of food and essential commodities among evacuated people or any other relief activity such as provision of cash compensation.

District Disaster Management Authority (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DC. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, Local Bodies 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 Local Bodies.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers. Immediate action will be taken in each sector / sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Numbardar, Headmaster of the School, Imam Masjid and councillors to make announcements etc.
- The tactical operations would be headed by the Additional District Collector (ADC). The ADC would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
 - i. **Deputy Commissioner (Chairperson)**
 - ii. District Police Officer
 - iii. Additional Deputy Commissioner (Rev)
 - 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. Additional Deputy Commissioner (General)
 - viii. Additional Deputy Commissioner (F&P)

- ix. XEN Buildings
- x. XEN Highways
- xi. Chief Executive Officer (DHA)
- xii. Chief Executive Officer (DEA)
- xiii. SP Special Branch
- xiv. XEN Irrigation / Public Health
- xv. Civil Defence officer
- xvi. Administrators of Tehsil Councils / Municipal Corporations
- xvii. All Chief Officers of Local Bodies in District
- xviii. District Emergency Officer, Rescue 1122 (Secretary)
- xix. Representative of Red Crescent
- xx. Such other District level Officers to be appointed by District Administration

- District Administrations must establish a Disaster / Flood control room at the DC's office, the numbers of which will be circulated to all concerned. The Disaster / Flood Control Room 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 Administration would immediately mobilize the equipment needed to tackle the challenges created by a disaster. The District Administrations 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.
- DO (Agriculture) and DO Livestock would arrange fodder and feed supplement for livestock and animals displaced.
- District Regional Transport Authorities (DRTA) in all 36 districts of Punjab are managed by Secretaries who would coordinate with local transporters to arrange for arranging transport required for evacuation of people from affected areas. In case of shortfall in transport in a particular district, the adjoining district would mobilize the transporters in his district to assist with the evacuation of people.

Role of Rescue 1122 in districts during disaster

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

Pre-disaster Check list for DDMA

- ✓ Meeting of DDMA held
- ✓ Identification of vulnerable areas
- ✓ Identification of Safe places

- ✓ Preparation of contingency plan
- ✓ Bunds and encroachments visited
- ✓ Sites identified for relief camps Evacuation routes/plan
- ✓ Safe custody of Government records and essential equipment and their shifting to safer areas on receipt of flood warning
- ✓ Enlistment of department wise available resources
- ✓ Preparation of list of required relief goods/ items
- ✓ Designation of Focal Person
- ✓ Evacuation well in time from vulnerable areas
- ✓ Establishment of Camps – All services under one roof
- ✓ Flood warning and weather forecast: Loudspeakers announcements
- ✓ Cancellation of all type of leaves of all employees Designation of Focal Persons
- ✓ Assignment of duties and responsibilities of all officers for flood emergency
- ✓ No leave during flood days; No official will leave station

Disaster Emergency Control Room (functions and responsibilities)

Flood Control Centre will be opened in the office of MC, Kamalia which shall function round the clock. A senior official with at least one Clerk shall work round the clock. A duty roster is to be prepared. A register is to be maintained, which will be used by a Senior Clerk to record all sorts of information regarding the flood situation. The water level gauge at Shahdara, Balloki, Sadhnai and Mohammad Shah Wala is to be recorded three times a day i.e. morning, afternoon and evening. The Control Centre will be equipped with upto dated information, with maps of the bunds and vulnerable points. Relief Centres and Relief Camps are also to be shown on separate charts. The incharge of Control Centre must be at least Naib Tehsildar, having all sorts of information regarding flood.

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 ADC (G) will coordinate with Army Units for any possible assistance needed for disaster response under approval from the DC/Chairman DDMA.

The security service comprising police and army will maintain peace and order and protect life and property in the disaster areas. The District Police Officer will head the Police Service while Officer Commanding nominated by the Military authorities will head the army units deployed to rescue the stipulation. The District Police Officer will seek necessary help from the Army Unit deployed for the purpose whenever required.

The service will discharge the following duties:-

- a) To maintain peace and order.
- b) To enforce the law.
- c) To arrest law violators.
- d) To protect evacuated habitations and stock of resources.
- e) To facilitate disaster operations by controlling the movement of individual and vehicles.
- f) To detect if possible and prevent disasters.
- g) To carry out initial rescue and survey operations until the appropriate agency takes over.
- h) To assist in saving life and property.

Volunteer Network

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

Sr	Tehsil	District	Province	Total
1	Gojra	Toba Tek Singh	Punjab	4082
2	Toba Tek Singh	Toba Tek Singh	Punjab	3803
3	Kamalia	Toba Tek Singh	Punjab	2246
4	Pir Mahal	Toba Tek Singh	Punjab	2144
5	Tehsil Missing	--	--	248
			Total	1559

LYSIS

1. Potential hazards of the district

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

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

High : 15-25

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*

- *Flood-2014*

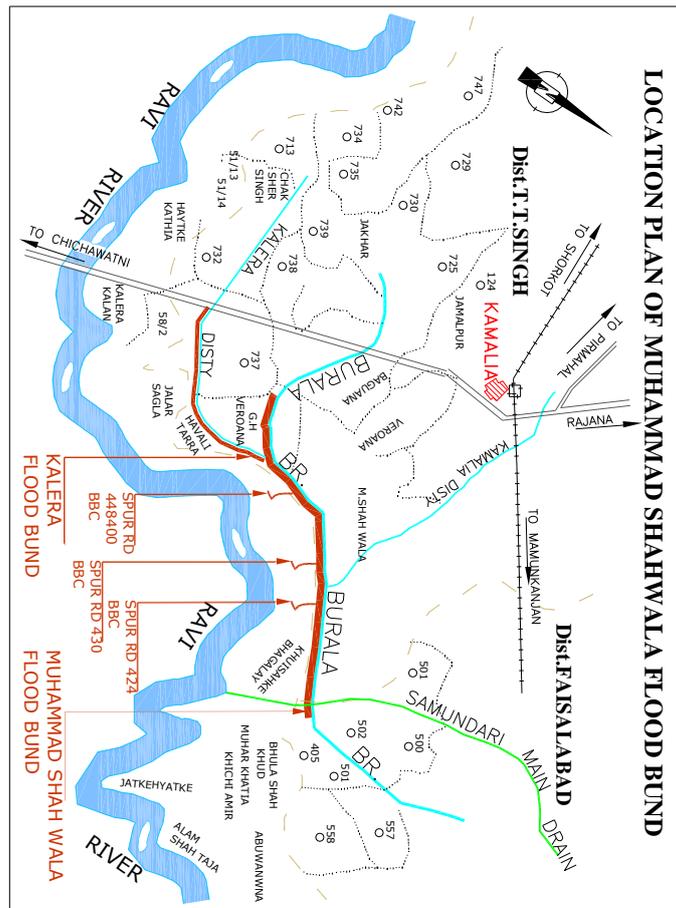
- *1. Village Affected 401*
- *2. Deaths 10*
- *3. Injured 03*
- *4. Cattle Loss 123*
- *5. Crops Affected 12311 Acres*
- *6. Roads Damaged 30*
- *7. Houses Damaged 1123*

-

- *Flood 2016*

- *1. Village Affected 24*
- *2. People Affected 28000*
- *3. Deaths 0*

District detail map with vulnerable points including (Rivers, Nullahs, Hill Torrents, Wheat Gowdowns, hazards, planned camps, health facilities, warehouses) etc.



Source:

3. Response & Operational Capacity

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

(i) To give information regarding the flood situation to every village in his sector, the Sector Officer shall satisfy himself that the inhabitants of these villages are duly warned by drum beating or by proclamation or by the loudspeakers to take measures for shifting to the places of safety of human beings and cattle etc. He will arrange for preservation of the main village abadies where possible by raising bunds and diverting the flow of flood water. For this purpose the Sector Officers will make use of voluntary labour arranged through local Lambardars. The sector staff will make the patwaris/Lambardars responsible for giving warning in their respective villages and arranging for voluntary labour and other equipments like "Kahis", sand bags and ropes etc. Their services will also be used for evacuation of population from the areas likely to be affected, channelization of flood water, round the clock, constant supervision of the protective bunds, arrangements for the feeding and temporary shelter of the displaced persons.

(ii) It will be the duty of the Sector Officers to make selection of safe areas where the people alongwith their belongings can be shifted in case of flood. This will be made before hand. Evacuation will start immediately on receipt of final warning.

(iii) The Sector Officer shall work out the requirements of food for human being and cattle and shall arrange its procurement. He shall send information daily by telegrams or by other quickest possible means of any important change in the flood situation.

DUTIES AT SITE. After reaching their Sector Headquarters the Sector Officers shall send to the Deputy Commissioner the forecast reports to show:-

- (1) At what time the flood is expected to reach by a Particular point.
- (2) What intervals have been taken for warning (The intervals after the warning and before the arrival of the flood be utilized by the Sector Officers in assessing measures of help where needed).
- (3) What shall be its effect on traffic routes?
- (4) Extent of area upto which the warning has been issued.
- (5) Start evacuation.
- (6) Provide food, medical care and housing to the affected People.
- (7) Save cattle and crop/foodgrain/fodder as far as possible.
- (8) Maintain liaison with nearest army unit.
- (9) Raise moral of the people and keep them full of hope.

SUBMISSION OF DAILY SITUATION REPORTS (DSRs)

When the floods would actually precipitate, a report on the following points shall be sent every day at 6.00 A.M. by wireless, telegram or by canal wire to the Deputy Commissioner:

- (1) Name of the Sector.
- (2) Number of villages affected during preceding 24 hours.
- (3) Total number of villages affected.
- (4) Total area affected.
- (5) Area under crop affected and area inundated.
- (6) Population affected.
- (7) Human lives lost.
- (8) Cattle drowned.
- (9) Loss of foodgrain.
- (10) Loss of fodder.
- (11) Number of houses collapsed.
- (12) No. of Relief Centres opened.
- (13) No. of persons evacuated.

Except famous and prominent places, the names of villages or chak numbers need not be mentioned in the telegraphic reports). A report should be sent by post immediately in confirmation by each Sector Officer and in this detailed report information should be supplied properly on the proforma prescribed for the purpose.

During the currency of the flood one telegraphic report will be sent at 7.0' clock in the evening daily on the points of general situation and changed situation as compared with the morning report. It will be in particular, the responsibility of the Sector Officer to keep vigilante eye on the condition of High-Ways, Canals and Railway Tracks etc., and also to assist in the restoration of traffic, if possible.

GENERAL.

(i) The Sector Officers will arrange locally if possible boats and boatmen for rescue purposes if and when required. If local arrangements are not possible then they should communicate their requirements of boats/boatmen immediately to the Assistant Commissioner and Deputy Commissioner.

(ii) In the event of any apprehension of breach of peace over any matter concerning flood, the Sector Officer should immediately ask for police help to control the situation. In case of any such eventuality, he should also keep the Deputy Commissioner and Assistant Commissioner informed of the latest situation.

(iii) The Sector Officers will also suggest if it is necessary to declare any particular area or areas as calamity affected to deal with the situation more effectively.

(iv) The Sector Officers shall go on simultaneously with their flood protection works and also with the works of making assessment of the amount of relief measures required for the Sector including construction of houses, foodgrains fooder, gratuitous relief and the assessment of traccavi needed for seeds and bullocks. The object of the work is that the figures of demand are made available to the officers on relief duty at a very short notice.

(v) Some relief camps may have to be opened for the temporary shelter of the displaced persons from flood affected areas. The Sector Officers shall make selection of suitable places and buildings in consultation with the Lambardars in whose areas such camps are to be located. These are matters of social help and all local resources must be made use of in the supply of food, shelter and other necessities of daily use to the affected persons. If in any case, it is found difficult to do so locally, such cases shall be reported before hand to the Additional District Collector and the Deputy Commissioner.

(vi) After the flood subsides, a final report in a concised form showing the exact course of the floods and total area inundated, crop area affected, population dislocated, loss of human life, persons injured, loss of cattle, houses completely washed away, approximate value of damage done to standing crops, private and public property and details of relief measures taken, shall be submitted by the Sector Officers to the respective Assistant Commissioner with their own observations as soon as possible. They shall also make suggestions for future to reduce the extent of the damage.

(vii) Every Sector Officer shall keep a copy of this order with him to know as to what duties he is to perform on receiving a signal. In the case of leave being sanctioned to him before flood duty starts, he will be responsible to hand over those papers to the Officer put in his place and to receive back the papers on return from leave.

(viii) It is needless to say that the flood duty is of the highest priority and a test of the Officers, resourcefulness and initiative. The officers may rest a sure that they will receive full support in any action which is taken by them in good faith. Half hearted measures or double mindedness may prove fatal. The Sector Officers will have to show qualities of leadership and strong nerves.

DUTIES OF THE ASSISTANT COMMISSIONERS.

(i) Assistant Commissioners will be overall incharges of flood relief operations in their respective sub-divisions. They will supervise the work of the Sector Officers and remove bottlenecks where necessary. They will

provide necessary advice and guidance to the Sector Officers and maintain a close liaison with the Deputy Commissioner.

(ii) The Assistant Commissioners will also arrange for any type of equipment, transport, boats etc that may be required by the Sector Officers.

(iii) The Assistant Commissioners should immediately visit areas which were flooded last year and make out plans for construction of ring bunds etc., if required. They should further inspect safer places selected by the Sector Officers for the evacuation of people with their belongings in case of floods. While so doing they should plan beforehand the procurement of food supplies both for men and cattle. In case of necessity or further guidance they should get in touch with the Deputy Commissioner.

(iv) The Assistant Commissioners will submit to the Deputy Commissioner a daily situation report about flood situation and relief activities in their respective sub-divisions, in the prescribed proforma. The report submitted by the Assistant Commissioners shall be a final assessment of the situation. They will neither make an understatement nor exaggerate the magnitude of the floods. In the same context it may also be stressed and emphasized that the Assistant Commissioners instead of depending merely on the reports received from the field will themselves try as far as possible to get first hand knowledge by visiting troubled spots personally.

(v) In some cases, it will be difficult for the Sector Officer to supervise all the flood protection measures on both sides of sheet of flood water. In that case, if the Assistant Commissioners would feel that because of magnitude of flood in a particular area the Sector Officer cannot pull on successfully with both flood protection work and flood relief measures, then an additional officer shall be detailed to assist the Sector Officer in the matters of relief measures.

(vi) During flood duty the Assistant Commissioners and the Sub-Divisional Police Officers should remain at a place where they are not likely to be marooned. They can go about together or more separately if better results can be achieved in that way.

DISASTER SERVICES.

Six disaster services will be maintained at District and Sub-Divisional level making use of the personal and resources of the implementing agencies. They are:-

- 1) Rescue and Evacuation service.
- 2) Health service.
- 3) Transportation service.
- 4) Communication service.
- 5) Security service.
- 6) Relief and Welfare service.

RESCUE AND EVACUATION SERVICE.

This service will be headed by the Deputy Commissioner, Toba Tek Singh at the district level. The Assistant Commissioners of sub-divisions will head the service at their level. The heads of the service will organize rescue and evacuation operations in their respective areas. The district has been divided into 5 sectors for the purpose of Flood Disaster Management. The conditions, operational procedure and duties of the Sector teams have been highlighted in the foregoing paragraphs.

HEALTH SERVICE.

The CEO (Health) / District Officer (Health), Toba Tek Singh will organize all medical facilities, train medical and allied personal and ensure the availability of necessary medicines and equipments, medical supplies, blood plasma and other medical facilities for victims of disasters. As soon as a signal is given by the District Administration, the District Officer (Health) shall mobilize his staff in order to check the outbreak and spread of

epidemic diseases and to provide adequate medical relief to the affected population. He will organize the activities of the health staff sector-wise in each sub-division. He may divide a sector into sub-sectors in order to organize his work on proper footings. This may, however, be done by him in consultation with the Assistant Commissioner concerned. He will arrange additional staff and set up temporary dispensaries where required. He will also arrange for adequate supplies of medicines and vaccines. The disinfection of water supply in flood affected areas shall be undertaken by the staff on top priority basis. The District Health Officer will ensure that adequate stock of vaccines etc., is readily available for this purpose. He will also keep the Deputy Commissioner informed about the activities of the Health Department by sending daily reports on the prescribed proforma.

His functions inter-alia will be:-

- a) To oversee the hospitalization of serious cases.
- b) To establish emergency dispensaries for first-aid treatment and medical care of those suffering injuries or illness as a consequence of disaster.
- c) To organize mobile medical teams to cover remote areas or points where access is difficult.
- d) To initiate preventive and curative measures to prevent occurrence and to stop spread of diseases epidemics.
- e) To assist in maintaining sanitary conditions in the disaster areas.

RELIEF AND WELFARE SERVICES.

This service will be headed by the District Officer Social Welfare, Toba Tek Singh. It is aimed at aiding persons who are suffering from the effects of disaster and are helpless. It will also coordinate the organized efforts of the community to improve the living conditions and standards of its members. The functions of this service are enumerated below:-

- a) To make an immediate survey of the disaster areas and make a list of victims.
- b) To provide food and other basic necessities to victims individually or on family basis during the emergency period based on a previous survey.
- c) To establish immediate Emergency Mass Feeding to victims.
- d) To assist in the evacuation of population from danger zones to safer places.
- e) To establish, administer and supervise relief centers in schools, municipal buildings, tents etc., as a temporary shelter to homeless victims.
- f) To record the hospitalized, injured and missing persons.
- g) To attend to local and international inquiries about persons in disaster areas.
- h) To help disaster victims in establishing contacts with relations and friends outside the affected areas.
- i) To refer victims, individuals and families, to appropriate agencies for rehabilitation.
- j) To answer inquiries regarding whereabouts of missing persons.
- k) To assist in tracing out family members of victims and facilitate in reunion of dislocated families.
- l) To arrange activities to meet diversionary needs of disaster victims.
- m) To provide useful knowledge and skill to victims to aid them in their return to normal living.
- n) To coordinate with other Disaster services and aid giving agencies including acceptance and distribution of donations in kind.

SECURITY SERVICES.

The security service comprising police and army will maintain peace and order and protect life and property in the disaster areas. The District Police Officer will head the Police Service while Officer Commanding

nominated by the Military authorities will head the army units deployed to rescue the stipulation. The District Police Officer will seek necessary help from the Army Unit deployed for the purpose whenever required.

The service will discharge the following duties:-

- a) To maintain peace and order.
- b) To enforce the law.
- c) To arrest law violators.
- d) To protect evacuated habitations and stock of resources.
- e) To facilitate disaster operations by controlling the movement of individual and vehicles.
- f) To detect if possible and prevent disasters.
- g) To carry out initial rescue and survey operations until the appropriate agency takes over.
- h) To assist in saving life and property.

TRANSPORTATION SERVICE.

The transportation service is meant to manage direct control over all available transport facilities and ensure their appropriate and effective utilization in the disaster areas. All requests will be forwarded to the transportation service being under the charge of MC., Toba Tek Singh assisted by Sub-Inspector Traffic. The functions of this service are:-

- a) To keep inventory of all available Governmental or privately owned earth-moving machinery, scrapers, bulldozers, address of owners, agreement obtained in advance etc.
- b) To ask the Coordinating Section to supply additional transport from nearby areas in case of need.
- c) To demand the following information where transportation is required:-
 - 1) Name and location of requesting party.
 - 2) Nature, weight and volume of expected load.
 - 3) Time of pick-up and place.
 - 4) Destination.
 - 5) Loading points-areas.
 - 6) To determine the type of vehicle transportation and numbers of vehicles needed in each case.

The Incharge of the Transportation service will establish liaison with Civil Defence Officer. The Civil Defence Officer will procure equipment and he will procure labour in order to cope with an emergency.

COMMUNICATION SERVICE.

The Additional District Collector will be Incharge of this service. This service will employ all available means and require all possible assistance from various agencies in order to provide, operate and maintain continuous and reliable connections throughout disaster operations.

Its functions will be as follows:-

- a) To establish links as requested by the Coordinating Section.
- b) To coordinate, direct and control communications under the guidance of the Coordinating Section.
- c) To provide all assistance and needed support to the agency requesting for communication facilities.
- d) To pass and receive all messages from the Coordinating Section.
- e) To inform immediately upon receipt of Alert Warning, all agencies concerned about the possible need of additional communication facilities and request preparations to be made for speedy action if required by further developments.
- f) To keep a written list of individuals and agencies to be immediately informed upon receipt of alert warning.

PRIMARY RESPONSIBILITIES AND SUPPORT FUNCTIONS OF THE IMPLEMENTING AGENCIES.

AGRICULTURE DEPARTMENT.

The Agriculture Engg: Department will help the Irrigation Department in the supply of earth moving machinery for protection. It will also provide seed for sowing of crops, provide fertilizers and agricultural implements on a loan basis. The Extra Assistant Director of Agriculture, Agricultural Engineer and Superintending Engineer / Executive Engineer Irrigation will work in close collaboration with each other at the time of emergency.

LIVESTOCK.

The District Officer, Livestock and Dairy Development will provide veterinary care, take preventive steps against cattle diseases, supervise purchase of fodder and ensure grazing facilities for evacuated cattle. The allied staff of vaccinations and Veterinary Officers will control the situation within their respective sectors. They will keep themselves in touch with the respective Sector Officer. During the flood emergency the cattle wealth of the District in general and in flood affected areas in particular shall have to be immunized against epidemics. The District Officer, Livestock and Dairy Development, TobaTek Singh shall arrange on top priority basis vaccination of cattle in flood affected areas in particular and remaining part of the district in general. He will organize the activities of his field staff at sector level. He may divide a sector into sub sectors in worst affected areas for smooth working. This may, however, be done by him in consultation with the Assistant Commissioner concerned. He will arrange additional staff and also set up temporary dispensaries where required. The Assistant Director Livestock and Dairy Development will also ensure regular supplies of medicines and necessary equipments etc., in the flood affected areas. He will keep the D.C. informed about the activities of his department by sending daily reports on the prescribed proforma.

ARMY.

The Army Unit deployed for as emergency will assist in rescue and evacuation activities, produce transport and communication facilities and assist the Irrigation authorities in bund protection. It will work in close liaison with police and other law enforcing agencies.

RESCUE 1122

The District Emergency Officer, TobaTek Singh will assist in rescue and evacuation activities as mentioned above. He will procure equipments as well.

COMMUNICATION DEPARTMENT.

The business Manager PTCL Toba Tek Singh will ensure that telephone connections are in working order during the emergency period. It will also maintain co-axial telegraph system and connection with strategical points with nearest telephone exchange.

AGRICULTURAL ENGINEERING DEPARTMENT.

This department will provide machinery and equipment for repair of earth-moving machinery like bulldozers and tractors. It will open workshops near vulnerable points.

FOOD DEPARTMENT.

This department will ensure that adequate food stocks are available in the district. It will prepare a plan for special Ration Depots at strategic places besides organizing Mobile Depots.

FORESTS DEPARTMENT.

D.O (Forests) will supply 'Abkalani' material for bund protection and assist in protecting the bunds.

HEALTH DEPARTMENT

The CEO (Health) / District Officer (Health) and Health Staff of MC's will work in collaboration with each other during disaster rescue operations. Adequate arrangements should be made at all Relief

Camps for medical aid to the inmates. This department will provide first aid and Medical care and establish Mobile posts on vulnerable points and Relief Centers. It will organize Mobile Medical Teams. The chlorination of drinking water and maintenance of proper sanitation in relief camps will be the responsibility of the department. Adequate arrangements shall be made at all Relief Camps for medical aid to the inmates in the camp and where the population is more than 2000 full-fledged dispensary with adequate medical staff shall be set up. For the remaining camps mobile units shall be organized which shall include one male doctor and a lady doctor. The CEO(H) / DHO, will ensure that the mobile units visit each relief camp twice a day. He will also arrange adequate supplies of medicines and other equipments necessary for the dispensaries mobile units for use in the relief camps. Special attention shall be paid towards the sanitation of the relief camps. Adequate staff shall be posted at each camp under the supervision of the Sanitary Inspector concerned, Trench Latrines shall be provided where necessary according to the requirements of the inmates.

INFORMATION DEPARTMENT

The Deputy Director Public Relations will ensure that the public receive correct and timely information regarding alert and warning messages through news media. He will plan and arrange the visits of newsmen to the district.

IRRIGATION AND POWER DEPARTMENT

The Superintending Engineer Irrigation and the Superintending Engineer FESCO will work in close harmony with each other and jointly supervise, direct and control bund protection activities.

VOLUNTARY AGENCIES, RED CRESCENT AND AID GIVING AGENCIES.

These agencies will provide equipment and supply relief material besides assisting in food distribution and collection of funds etc. for relief purposes. They will also help train personnel for relief activities and provide first aid in relief centers.

OPERATING PROCEDURE

The operating procedure of the plan has been described in detail in foregoing portions. The concept underlying the procedure is that the District Control Centre in D.C. Office, TobaTek Singh and the Implementing Agencies, both public and private, shall at all times be ready to respond to Alert-Danger warning and information about occurrence of disaster. The Disaster Control Centers and each agency at District level shall at all times be ready to respond to Alert:-

- a) Inform Disaster Coordinator (at respective level).
- b) Mobilize appropriate number of personnel.
- c) Inform all officials and implementing agencies concerned.
- d) Use the communication facilities available, Governmental or non-Governmental, whichever the quickest.
- e) Contact the agency issuing the alert to obtain clarifications approximate time-elements, type and estimated intensity.
- f) Contact the responsible officer at the threatened area and communicate the obtained information and enquire about the local situation.
- g) Discuss and check state of preparedness with the officials concerned and determine appropriate actions to be taken.

- h) Execute the determined action.

DANGER WARNING.

- a) Inform Disaster Coordinator (at respective level).
 b) Mobilize all personnel with all possible speed.
 c) Inform all officials and implementing agencies concerned and request them to take immediate appropriate action.
 d) Use Communication Facilities available, Governmental or non-Governmental whichever the quickest.
 e) Contact the agency issuing danger warning for further information.
 f) Contact the responsible officer in the area threatened and discuss the possible needs of disaster victims estimate the net requirements.
 g) Discuss and determine appropriate actions to be taken.
 h) Execute the determined actions.
 i) Organize the determined actions.
 j) Upon notice of disaster occurrence requiring immediate assistance, the Control Centre inform higher level and implementing agencies concerned requesting them to take appropriate action and execute their Emergency Plan.
 k) Dispatch rescue and evacuation team to the affected area for rescue operations and for positive verification of disaster intensity preliminary assessment of losses and damages and net requirements.
 l) Contact, if possible the responsible officer in the affected area by telephone or by other source of communication to obtain information, clarification on situation and assistance required.
 m) Determine appropriate actions on the basis of available information.
 n) Execute the determined action.

EARLY WARNING SYSTEM

The provision of timely and effective information, through identified institutions, to communities and individuals so that they could take action to reduce their risk and prepare for effective response. District / Tehsil level stakeholders are to be responsible to disseminate the information.

OFFICERS WHO ARE TO BE INFORMED IN THE CASE OF HIGH FLOOD

1. District Police Officer, Toba Tek Singh
2. All Executive District Officers, Toba Tek Singh
3. All Assistant Commissioners, in District Toba Tek Singh
4. Superintending Engineer (East), Faisalabad Division, Faisalabad.
5. Superintending Engineer (West), Faisalabad Division, Faisalabad.
6. Executive Engineer, Gogera Division, Faisalabad.
7. Executive Engineer, Burala Division, Faisalabad.
8. Executive Engineer, Jhang Division, Jhang.
9. Executive Engineer, Provincial Buildings Division, Toba Tek Singh
10. District Officer (Roads), Toba Tek Singh
11. Executive Engineer (Operations) FESCO WAPDA, Toba Tek Singh
12. Chief Officers, Toba Tek Singh, Pirmahal, Kamalia & Gojra.
13. Assistant Director LG & CD, Toba Tek Singh
14. Civil Defence Officer, Toba Tek Singh
15. District Emergency Officer Rescue-1122, Toba Tek Singh
16. Executive Engineer (PHED) Toba Tek Singh

17. District Officer Livestock Toba Tek Singh
18. District Officer Information, Toba Tek Singh.

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	10	09	01	01
OBM	10	10		
De-watering sets	01	01		
Navigators				30
GIS devices				30
Life Jackets	100	96	04	100
Life Ring	07	07		
Life Lines				05
Scuba diving suit with complete accessories	02	02		
First Aid Kits	110	110		
Rescue Bag				100
Safety Harnesses				02
Ambulances	11	11		04
Fire Brigade	3	3		
Water Tanks / Bouzers	1	1		
Extendable Ladders				04
Hydraulic Cutter	1	1		
Sonar Rader				03
Jumping Sheet				10
Dumpers				
Excavators				
Cranes				
Bulldozer				
Boat Carrier/Trolleys	01	01		01
Pickups/Jeeps/4x4 vehicles/Mini Trucks				01
Searchlight	01	01		20
Tent	204	204		
Mosquito Net	200	200		
Plastic Mat	400	400		
Blanket				50
Any other main relief/rescue equipment				100
Generator Sets	01	01(5KV)		
Gas-Cutters				01
Sonar Radars				
Scuba Diving Set				
Navigator/GPS Tracker				
Hydraulic Cutter				
Floating Rope				10
Rain Suit				100
Snack Catcher				07

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.)*
 - * *Lack of transportation system from the areas likely to be affected;*
 - * *Non availability of 4x4 vehicle to move the senior management to the affected areas during flood;*
 - * *Non availability of trucks which could carry boats and rescue to the effected areas;*
 - * *Shortage of man power with rescue 1122 to under take flood rescue operation while containing their other regular rescue services/operation.*

MITIGATION STRATEGY

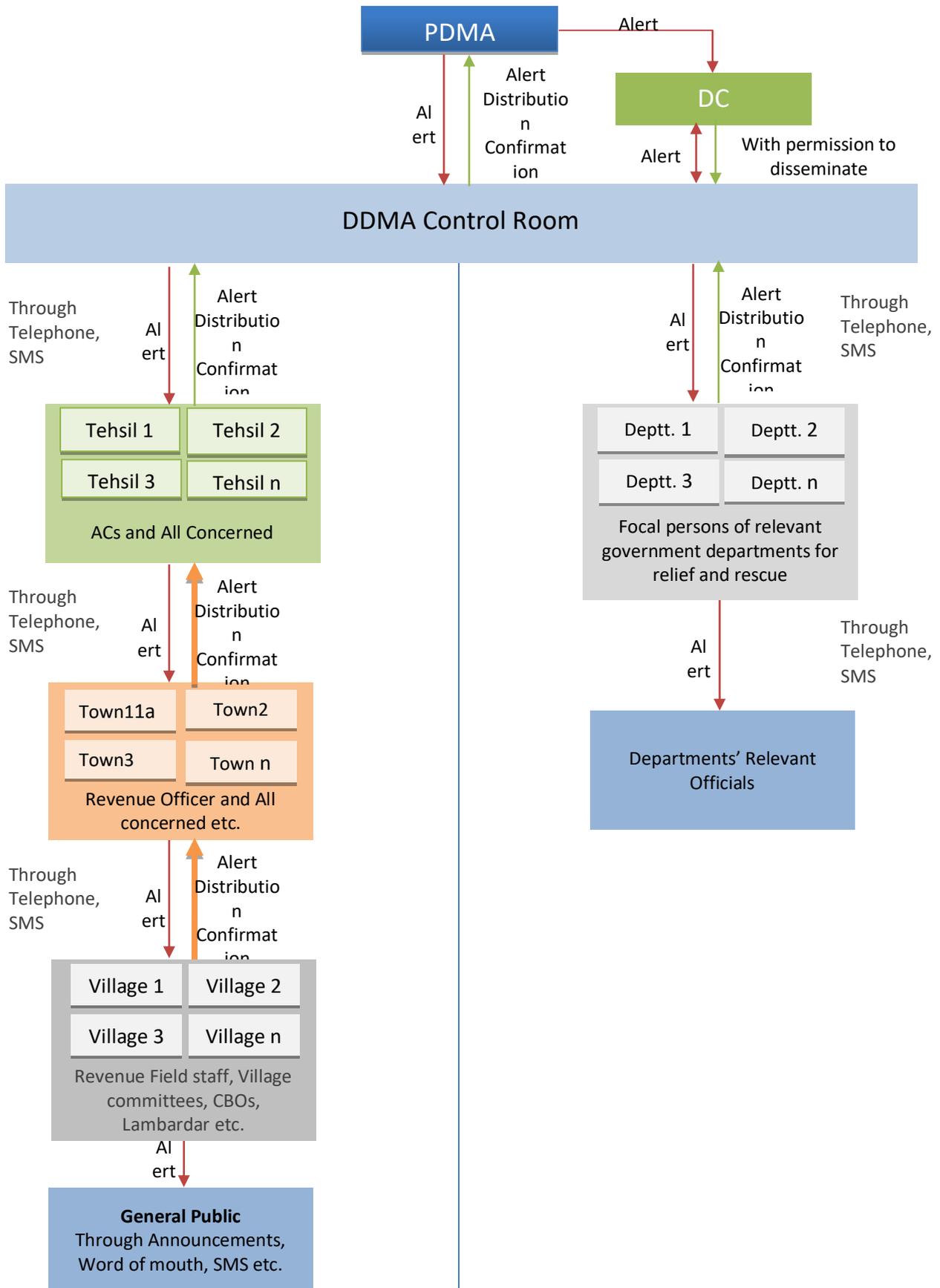
- ✓ Briefly describe what measures could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	<ul style="list-style-type: none"> ➤ Quick Response to any untoward situation in case of any emergency. ➤ Ensure flood rescue operations. ➤ Ensure the medical posts in Relief Camps. ➤ Ensure the Transportation of the patients. ➤ Ensure the provision of First Aid. ➤ First responder of the emergency situation and ally of the security forces 	Punjab Emergency Service, Rescue 1122, Toba Tek Singh
Urban Flooding	NA	
Flash Floods	NA	
Hill Torrent	NA	
Glacial Lake Outburst Flood (GLOF)	NA	
Landslide	NA	
Tornado	<ul style="list-style-type: none"> • Capacity building of citizen rescue service. 	Rescue 1122
Earthquake	<ul style="list-style-type: none"> • Capacity building of departments • Community training • Response strategies • Construction of earthquake resistant infrastructure 	<ul style="list-style-type: none"> • Rescue 1122 • DDMA • Building Department
Drought		
Epidemic	<ul style="list-style-type: none"> • Preventive measures • Spray of insecticides • Public awareness 	DO Industries
Fire Incidents	<ul style="list-style-type: none"> ➤ Quick Response to any untoward situation in case of any emergency. ➤ Ensure the medical posts in Relief Camps. ➤ Ensure the Transportation of the patients. ➤ Ensure the provision of First Aid. ➤ First responder of the emergency situation and ally of the security forces 	Punjab Emergency Service, Rescue 1122, Toba Tek Singh
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane	<ul style="list-style-type: none"> ➤ Quick Response to any untoward situation in case of any emergency. ➤ Ensure the medical posts in Relief Camps. ➤ Ensure the Transportation of the patients. ➤ Ensure the provision of First Aid. ➤ First responder of the emergency situation and ally of the security forces 	Punjab Emergency Service, Rescue 1122, Toba Tek Singh

crash)		
Environmental Hazards (industrial accidents, severe pollution etc.)		

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 DC 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, LOCAL BODIES 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.

EARLY WARNING AND COMMUNICATION SYSTEM OF DISTRICT FLOOD CONTROL CENTER:

- **The Flood Control Center shall receives direct warning from the Provincial Disaster Control Lahore.**
- **It shall processes each information and transmit it to the Tehsil to which it relates.**
- **Everything contrary to normal shall immediately be communicate to**
- **I.The Deputy Commissioner at his numbers;Office: 046 9201001 Residence: 046 2510659 Cell No: 0304-0920079**
- **II. ADC (G):046-9201009**
- **III.ADC (R) District Flood Relief Officer: 0331-4666999**
- **IV. The District Emergency Officer at 1122 and 046-9201122 cell 0331-7771122**
- **V. Assistant Commissioner concerned at follwoning numbers**
- **AC Toba Tek Singh: 03359717971**
- **AC Gojra: 9200115, 03352040066**
- **AC Kamalia: 03006355515**
- **AC Pir Mahal: 03332005088**
- **On receipt of warning, they will convey it to the local population through the revenue Field staff. d**
- **The local population shall be warned about the approaching flood.**

RESCUE STRATEGY

- Rescue 1122 will be First responder of the emergency situation and ally of the security forces.
- Quick Response to any untoward situation in case of any emergency.
- Ensure the medical posts in Relief Camps.
- Ensure the Transportation of the patients.
- Ensure the provision of First Aid.
- When the evacuation and flow of flood will become in worst situation then the Pakistan Army will be requested to support the Rescue activities.
- Annex 1 will be verified by Education department

SAFER PLACES.

Sr.No.	Name of Sector.	Safer Places.
1.	Kamalia.	i) Village Dhalvi School. ii) Mohammad Shah Wala Union Council.
2.	Jakkar.	i) Village Azmat Shah QadirBakhsh School. ii) Chak No.737/GB, Middle School. iii) Jakkar Union Council. iv) Chak No.741/GB School. v) Chak No.744/GB Middle School.
3.	Pirmahal.	i) Sultanpur Rest House. ii) Sandhilianwali School.
4.	Darkhana (Twin Canals)	i) Joosa Union Council. ii) Village Mai Spooran Union Council. iii) Bridge At Twain Canals.
5.	Khichiwala.	BHU Mal Fatiana.

RELIEF CENTRES.

Sr.No.	Name of Sector.	Name of Relief Centre.
1.	Kamalia	i) Government High School for Boys, Kamalia. ii) Govt. Girls Elementary School Jhaloka. iii) Government Girls Primary School Mal.Fatyana. iv) Government Primary School Haveli Tara.
2.	Jakkar.	i) .Government Boys High School 736/GB.ii) Govt. Boys Middle School Chak.725/GB.iii). Govt Girls Middle School Chak.739/GB.(Abadi Bhojianwali)iv).Govt. Boys Primary School. Jamal Pahar
3.	Pirmahal.	i) Government Boys High School No. 1 Pirmahal. ii) Govt. Primary School Gharibabad.
4.	Sandhilianwali	i). Govt. Higher Secondary School Sandhilianwali ii).Govt. Primary School Nasirnagar. iii). Govt.

		Girls Elementary School 763/GB
5.	Bhussi	BHU Kot Pathana Bhussi Adda.
6.	Darkhana.	i) Government Boys High School NawabBhooti ii) Government Girls High School 702/GB iii) UC 694/36/GB. Iv) Govt. Boys Middle School Mai Saporan. V) Govt. Girls middle School.693/plot D vi) Govt. Girls Primary School 700 GB.



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*

* All concern department will provide damages / loss reports;

* DDMA shall prioritize need;

* Rescue 1122, Civil Defence, MCs and Health Department will provide help in the respective areas of Responsibility;

* DDMA will be facilitating & monitoring the humanitarian assistance;

* All correspondence will be made through DC in coordination with all departments in the District;

* 22 relief camps will be established by the district administration with coordination of local administration.

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
1	Village Dhalvi School		X: Y:	16	BHU Mal Fatiana		X: Y:
2	Mohammad Shah Wala Union Council		X: Y:	17			X: Y:
3	Village Azmat Shah		X: 30°41'0.22"N Y: 72°42'50.03"E	18			X: Y:
4	Chak No.737/GB, Middle School		X: 30°37'19.06"N Y: 72°41'2.14"E	19			X: Y:
5	Jakkar Union Council.		X: 30°38'50.53"N Y: 72°38'14.26"E	20			X: Y:
6	Chak No.741/GB School		X: 30°38'32.40"N Y: 72°32'22.88"E	21			X: Y:
7	Chak No.744/GB Middle School		X: 30°39'4.06"N Y: 72°27'27.44"E	22			X: Y:
8	Sultanpur Rest House		X: Y:	23			X: Y:
9	Sandhilianwali School		X: Y:	24			X: Y:
10	Joosa Union Council		X: Y:	25			X: Y:
11	Village Mai Spooran		X: Y:	26			X: Y:
12	Bridge At Twain Canals		X: Y:	27			X: Y:

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

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	Pir Mahal	<ol style="list-style-type: none"> 1. UC 69 & Chak No. 670 GBs 2. UC 70 & Chak No. 665 GB 3. UC 71 & Chak No. 319 GB 4. UC 72 & Building Health Center Near Iqbal Park Pirmahal 5. UC 73 & Chak No. 674 GB 6. UC 74 & Chak No. 681 GB 7. UC 75 & Chak No. 760 GB 8. UC 76 & Nomited Place for Head Quarter is ShahPur but due to non functional of building currently using the building of UC 75 Chak No. 760 GB 9. UC 77 & Chak No. 762 GB 		<ol style="list-style-type: none"> 1. Mouza Bhussi 2. 741-GB 3. 743-GB 4. 743-GB 5. 728-GB 6. 722-GB 7. 721-GB 8. 720-GB 9. 719-GB 10. 718-GB 11. 717-GB 12. 716-GB 13. 678/19-GB 14. 679/20-GB 15. 680/21-GB 16. 681/22-GB 17. 682/23-GB 18. 683/24-GB 19. 684/25-GB 20. 685/26-GB 21. 686/27-GB 22. 686/27-GB 23. 670/11-GB 24. 671/12-GB 25. 672/13-GB 26. 674/15-GB 27. 673/14-GB 28. 675/16-GB 29. 733-GB 30. 734-GB 31. Mouza Shahabal Shah 32. Mouza Darsana 33. Mouza Kot Pathana 34. Mouza Moju Kathia 35. Mouza Rajab Kathia 36. Bakhu Sanpal 37. Mouza Bub 38. Mouza Kikri Shah 39. 57/3-Tukra 40. 54/4-Tukra 41. Mouza Sher Singh 42. 742-GB <p>PS Aroti</p> <ol style="list-style-type: none"> 1. Mouza Amb Cheragh 2. Basti Aoshak 3. Jungle Imam Shah 4. Mouza Darghai Pur 5. Mouza Nikri

		<p>10. UC 78 & Chak No. 759 GB</p> <p>11. UC 79 & Chak No. 330 GB</p> <p>12. UC 80 & Chak No. 333 GB I</p> <p>13. UC 81 & Chak No. 327 GB</p> <p>14. UC 82 & Nominated Place for Head Quarter in Chak No. 326 GB which was used on rent now currently the UC 82 is Functional in the building of UC 81 situated in Chak No. 327 GB, Pirmahal</p> <p>15. UC 83 & Chak No. 694 GB</p> <p>16. UC 84 & Nawab Bhooti</p> <p>17. UC 85 & Mouza Jussa</p>	<p>6. Mouza Dhidi</p> <p>7. 746-GB</p> <p>8. 745-GB</p> <p>9. 748-GB</p> <p>10. 749-GB</p> <p>11. 750-GB</p> <p>12. 751-GB</p> <p>13. 752-GB</p> <p>14. 772-GB</p> <p>15. Basti Sanpal</p> <p>16. Basti Rampur</p> <p>17. Jungle Mai Safooran</p> <p>18. 778-GB</p> <p>19. 777-GB</p> <p>20. 776-GB</p> <p>21. 775-GB</p> <p>22. 771-GB</p> <p>23. Mouza Jusa</p> <p>24. Mouza Akbar Sahu</p> <p>25. Mouza Khilma</p>
	Kamalia	<p>1. UC NO.57 Chak No.661/GB</p>	<p><u>PS Sadar Kamalia</u></p> <p>1. Mouza Muhammad Shah</p> <p>2. 58/3-Tukra</p>

		<p>2. UC NO.58 Baroon Kamalia</p> <p>3. UC NO.59 Chak No. 712 GB</p> <p>4. UC NO. 60 Muhammad Shah</p> <p>5. UC NO. 61 Azmat Shah Qadir Baksah</p> <p>6. UC No. 62 Chak No. 737 GB</p> <p>7. UC NO. 63 Chak No. 739 GB</p> <p>8. UC NO. 64 Plot 57/4</p> <p>9. UC NO.65 Kot Pathana</p> <p>10. UC NO. 66 Chak No. 724 GB</p> <p>11. UC NO.67 Chak No. 722 GB</p> <p>12. UC NO. 68 Chak No. 718 GB</p>		<p>3. 731-GB</p> <p>4. Mouz Ghulam Hussain Veroana</p> <p>5. 732-GB</p> <p>6. 735-GB</p> <p>7. 742-GB</p> <p>8. 739-GB</p> <p>9. Mouza Chaddar</p> <p>10. Mouza Kalera</p> <p>11. 738-GB</p> <p>12. 737-GB</p> <p>13. Mouza Sati k Bhagaly</p> <p>14. 725-GB</p> <p>15. 724-GB</p> <p>16. 740-GB</p> <p>17. Mouza Jahalar Sagla</p> <p>18. Mouza Ravi Khokhar</p> <p>19. Mouza Khood</p> <p>20. 709-GB</p> <p>21. 710-GB</p> <p>22. Mouza Tara Haveli</p> <p>23. Mouza Mumber</p> <p>24. Mouza Bhoot Kalia</p> <p>25. Mouza Piplly</p> <p>26. Kand Karam Kathia</p> <p>27. Lolan Khajoor</p> <p>28. Mouza Sheikh Burhan</p> <p>29. Mouza Dholri</p> <p>30. Khushahal k Bhagalay</p>
Urban Flooding				

Flash Floods				
Hill Torrent				
Tornado				
Earthquake				
Drought				
Epidemic				
Environmental Hazards (industrial accidents, severe pollution etc.)				
Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods				
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	DHQ Hospital Toba Tek Singh	30.952479	72.494600	Secondary	Dr. Mian Ahmad Farooq	0333-8810304	-
2	THQ Hospital Kamalia	30.7122460	72.6541570	Secondary	Dr. Jawad Ahmad Khan	0333-5183670	-
3	Govt. Eye Cum General Hospital Gojra	30.742379	72.384100	Secondary	Dr. Masood Ahmad	0301-4529086	-
4	THQ Hospital Pirmahal	30.76955252	72.43359322	Secondary	Dr. Muhammad Haroon	0343-8780311	
5	City Gynae Hospital Toba Tek Singh	30.974951	72.4824200	Primary	Dr. Waleed Ahmad	0332-4600290	-
6	City Hospital Kamalia	30.7247200	72.6369000	Primary	Dr. Kashif Nadeem	0331-7296003	-
7	RHC Rajana.	30.85646845	72.54775956	Primary	Dr. Naeem Ahmad	0335-8714782	
8	RHC316GB	30.85462511	72.34540522	Primary	Dr. Muhammad Sarfraz	0305-7989027	
9	RHC 394JB	30.97323775	72.40688682	Primary	Dr. Asad Maqbool	0305-7251443	
10	RHC Mongi Banglow	31.023558	72.700326	Primary	Dr. Muhammad Naveed	0345-7484178	
11	RHC Nia Lahore	31.023558	72.700326	Primary	Dr. Muhammad Irfan Talib	0345-4586489	
12	RHC SandhilianWali	30.629311	72.363932	Primary	Dr. Muhammad Shoaib Khan	0310-7798322	Flood
13	RHC Arooti	30.6329589	72.2712731	Primary	Dr. Gul Sher	0301-5003191	Flood
14	RHC 740GB	30.63915789	72.618899	Primary	Dr. Amanat Ali	0334-7757749	
15	BHU 149GB	30.968631	72.5716564	Primary	Dr. urooj Khalid	0300-7388608	
16	BHU 189GB	30.8082264	72.7067627	Primary	Dr. Namra Rasheed	0336-6699639	
17	BHU 190GB	30.825876	72.6898753	Primary	Dr. M. Waqas	0333-5606272	
18	BHU249GB	30.9664785	72.6872609	Primary	Dr. Arslan Farooq	0332-6906432	
19	BHU 255GB	30.9259611	72.6263922	Primary	Dr. M Armughan Khalid	0341-4654300	
20	BHU258GB	30.8305067	72.5979513	Primary	Dr. Ehtisham Ahmad Khan	0300-6517768	
21	BHU 262GB	30.8154085	72.5742992	Primary	Dr. Umer Ghaffar	0333-8709320	
22	BHU264GB	30.968631	72.5716564	Primary	Dr. Huma Batool	3009839629	
23	BHU269GB	30.7739131	72.6024661	Primary	Dr. Tayyaba Nasir	0321-7656623	
24	BHU289JB	31.0348769	72.6156917	Primary	Dr. Naheed Javeed	03336372612	
25	BHU291JB	31.0175842	72.5771266	Primary	Dr. Ahmed Farooq	03446056221	
26	BHU294JB	31.017663	72.5772145	Primary	Dr. Aisha Iqbal	03337324044	

27	BHU299GB	30.9440136	72.4354245	Primary	Ayesha shafiq	0306-8709300	
28	BHU305GB	30.897342	72.3365218	Primary	Dr. Sidra Masoud	03326259485	
29	BHU 321JB	31.013797	72.5367667	Primary	Dr.Kiran Tariq	0341-7834007	
30	BHU322JB	30.9927964	72.5239545	Primary	Dr. Nayab Shahid	3336625853	
31	BHU325JB	31.0076129	72.4623442	Primary	Dr. Komal Razzaq	0313-7953402	
32	BHU345GB	30.8901048	72.3851954	Primary	Dr. Hamna Noor	0335-7292300	
33	BHU349GB	30.9076393	72.4482811	Primary	Dr. Salma Aziz	0336-7941286	
34	BHU361GB	30.9100825	72.5884988	Primary	Dr. Noor Ul Ain Zahid	0303-07222753	
35	BHU375JB	31.0657912	72.544999	Primary	Dr. Sohaib Hayee Ch.	03328763879	
36	BHU376JB	31.0579473	72.5153714	Primary	Dr. Hira Javed	0335-6589923	
37	BHU388JB	31.0666565	72.4304961	Primary	Dr. Sameen Sharif	0300-6628253	
38	BHU411JB	30.8676928	72.2442162	Primary	Dr. Zarmeen Sultan	0335-7123394	
39	BHU517GB	30.8806678	72.4971486	Primary	Dr. Usman Akhter	0300-0877779	
40	BHU90JB	31.2940232	72.7934415	Primary	Dr. Aman Iftikhar	0330-4510855	
41	BHU92JB	31.2431914	72.7808082	Primary	Dr. Muhammad Sohail	3067407031	
42	BHU95JB	31.2283056	72.7574088	Primary	Dr. Ayesha Tasneem	0307-8893446	
43	BHU154GB	31.0477549	72.7280009	Primary	Dr. Zoya Arshad	0306-5141854	
44	BHU158GB	31.069411	72.6694912	Primary	Dr. Nabeela Kausar	3419675674	
45	BHU 161GB	31.0181624	72.6903397	Primary	Dr. Anam Ashraf	0304-6222532	
46	BHU 178GB	31.0517997	72.7461702	Primary	Dr. Nokhaiz Khanam	0301-6735642	
47	BHU 246GB	30.9577009	72.735027	Primary	Dr. Aimen Rasheed	0332-6866449	
48	BHU 278JB BHU285JB	31.2941587	72.7935916	Primary	Dr. Mehrosh Dr. Haider Abbas	0347-7623460 0308-5658679 0313-4950784	
49	BHU 301JB	31.0670097	72.6320608	Primary	Dr. Samreen Kousar	0334-0738537	
50	BHU 304JB	31.1081419	72.6305664	Primary	Dr. Asma Qibtia	0335-6465181	
51	BHU 316JB	31.1978854	72.6250302	Primary	Dr. Sidra Ata	0345-0361386	
52	BHU 348JB	31.0915927	72.5589832	Primary	Dr. Sara Shafiq	0334-9601101 0321-7930455	
53	BHU 353JB	31.2788929	72.6858926	Primary	Dr.Amna Rauf	0306-3249991	
54	BHU 359JB	31.1978942	72.6251221	Primary	Dr. Hina Rouf	0333-2791993	
55	BHU 363JB	31.1749989	72.5821692	Primary	Dr. Muhammad Luqman	0333-6633216	
56	BHU 369JB	31.1903079	72.7042402	Primary	Dr. Rimsha Jabbar	0336-6869532	
57	BHU 414JB	31.113233	72.7297758	Primary	Dr. Tanzeela Suni	0333-7373305 03337878305	
58	BHU 418JB	31.2518758	72.7082738	Primary	Dr. Nand Lal	03322189374	
59	BHU 423JB	31.2541929	72.6161926	Primary	Dr. Farah Zeen	0336-7973007	
60	BHU 424JB	31.2231741	72.5896453	Primary	Dr. Farwa Amin	0303-4986579	
61	BHU 430JB	31.2089717	72.5463831	Primary	Dr. Tehseen Arshad Ansari	0332-6851560	
62	BHU 438JB	31.1978567	72.5176567	Primary	Dr. Naila Amjad	0312-7475944 0307-1794675	
63	BHU 438JB	31.1134917	72.5026487	Primary	Dr. Haider Ali	0315-7034634	
64	BHU 312GB	30.8136687	72.2673098	Primary	Dr. Muhammad Inam Elahi	0324-7250240	

65	BHU 319GB	30.7896835	72.4404037	Primary	Dr.werda	0335-6565350	
66	BHU 330GB	30.7822645	72.3347998	Primary	Dr. Muhammad Mudasser Khan	0303-9332740	
67	BHU 333GB	30.795613	72.3917823	Primary	Dr. Maryam Tahir	0313-6453282	
68	BHU 668/9GB	30.7473057	72.4324779	Primary	Dr. Rabia Latif	0331-8658971	
69	BHU 670/11GB	30.7298567	72.4619055	Primary	Dr. Iqra Javed	0308-6191643	
70	BHU 672/13GB	30.722849	72.4300846	Primary	Dr. Azizullah Ansari	03004665907	
71	BHU 695/37GB	30.6937462	72.2462279	Primary	Dr. Abrar Maqbool	0306-4950719	
72	BHU 721GB	30.6647033	72.4766457	Primary	Dr. Muhammad Amjad Usman Hameed	0344-5446406	
73	BHU 749 GB BHU 753GB	30.6379916	72.4160364	Primary	Dr. Rabia Javed	0323-5145979	Flood
		30.6824549	72.291569	Primary	Dr. Samina Nawaz	0306-9630625	
74	BHU 759GB	30.6493932	72.3425138	Primary	Dr. Zia Ul Habib	0341-7614287	Flood
75	BHU Jussa	30.5736476	72.1782285	Primary	Dr. Usman Ahmad	0344-6440627	Flood
76	BHU 706GB	30.7244033	72.5529817	Primary	Dr. Aqib Jahangir	0347-5963756	
77	BHU 712GB	30.6836962	72.6613647	Primary	Dr. Fareeha Rasheed	0333-6385937	
78	BHU 714GB	30.7158927	72.5828833	Primary	Dr.Aroosa Kanwal	0342-7936682	
79	BHU 718GB	30.6853746	72.4948911	Primary	Dr. Sajeela Kokab	0336-7899302	
80	BHU 737GB	30.6216967	72.6840341	Primary	Dr. Shahzaib Amin	0300-6511562	
81	BHU Ravi Khokhar	30.7211974	72.7609778	Primary	Dr. Asif Ali	0341-7888108	Flood
82	BHU Mal Fatyana BHU Kot Pathana	30.6816548	72.7249914	Primary	Dr. Aneela Saleem	0333-6547655	Flood Flood
		30.631823	72.5298948	Primary	Dr. Kashif Mehmood	0301-8109809	
83	ZCD 182GB	30.95704	72.66042	Primary	Dr. Aun Ali Khan	0344-4622292	
84	ZCD184GB	30.82961	72.64447	Primary	Ghulam Abbas	03428797422	
85	ZCD254GB	30.88882	72.66271	Primary	Dr. Raza Rehman	0335-6753062 03006566843	
86	ZCD302GB	30.92102	72.40648	Primary	Muhammad Azam	03457570054	
87	ZCD 319JB	31.03781	72.54427	Primary	Dr. Saba Azam	0336-6999460	
88	ZCD341GB	30.832	72.44388	Primary	Dr. Azka Shafqat	03447850199	
89	ZCD379JB	31.06801	72.49228	Primary	Muhammad Saeed Akhter	03346621488	
90	ZCD Janiwala	31.0481	72.5864	Primary	Dr. Taj Mouhammad	03332952355	
91	ZCD 93JB	31.24634	72.80013	Primary	Dr. Ahmad Usama Khalid	0333-6665006	
92	ZCD 311JB	31.11461	72.53544	Primary	Dr. Raheela Firdous	0309-0992286	
93	ZCD 243JB	30.99239	72.7586	Primary	Dr. Mahjabeen	0334-7405899	
94	ZCD 417JB	31.25507	72.61592	Primary	Dr. sumera naz	0333-6953341	
95	ZCD Chraghabad	31.3319	72.76619	Primary	Dr. Maria Khalid	0334-6154701	
96	ZCD 313GB	30.83144	72.27251	Primary	Dr. Faizan Akber	0333-7400745	
97	ZCD 325GB	30.7683	72.51075	Primary	Aamna Tariq	0334-7759959	
98	ZCD 688/28GB	30.6961	72.3426	Primary	Altat Hussain	0346-4841692	

99	ZCD 720GB	30.67498	72.49317	Primary	Dr. Nafees Razzaq	0300-0781081	
100	ZCD 694/36GB	30.71676	72.23376	Primary	Dr Rohan Waheed	0334-6000380	
101	ZCD 664/5GB	30.7614	72.53445	Primary	Dr. Muhammad Haris	0321-6567351	
102	ZCD 678/19GB	30.71308	72.52599	Primary	Dr. Larab Kalsoom	0335-0222992	
103	ZCD 735GB	30.62728	72.60956	Primary	Abbas ali	0333-6884174	
104	ZCD Dholary	30.7289	72.6369	Primary	Mujahid Hussain	0322-7671978	
105	ZCD Qadir Bux	30.67136	72.68937	Primary	Dr. Namra Shakoore	0335-6565714	
106	MCH Center, Toba Tek Singh	30.972742	72.487057	Primary	Asia Zafar	0333-7285600	
107	MCH Center, Kamalia	30.718082	72.655137	Primary	Asia Bibi	0333-3665718	
108	DHQ Hospital Toba Tek Singh	30.952479	72.494600	Secondary	Dr. Mian Ahmad Farooq	0333-8810304	-
109	THQ Hospital Kamalia	30.7122460	72.6541570	Secondary	Dr. Jawad Ahmad Khan	0333-5183670	-

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrollment	Incharge Name	Contact Number
1	GGES Akbar Shoo	Elementary School	X:30°39'0.00"N Y:72°23'60.00"E	260	RAHEELA KOSAR	0343-7079927
2	GGPS 765 GB	Primary School	X: 30°37'9.47"N Y:72°19'30.35"E	101	MADIHA KANEEZ	0331-6922543
3	GGPS JANGAL IMAM SHAH	Primary School	X: 30°39'0.00"N Y:72°23'60.00"E	172	ZUNERA AROOS	0333-4493775
4	GGES Darghai Pur	Elementary School	X: 30°35'28.33"N Y: 72°13'14.57"E	392	FOZIA TABASUM	0305-6754753
5	GPS 765 GB	Primary School	X: 30°37'9.47"N Y:72°19'30.35"E	199	Abdul Rehman	0344-7892776
6	GPS 772 GB	Primary School	X: 30°27'14.02"N Y: 72°10'17.66"E	183	Khuda Bush	0306-2668571
7	GPS PINDI ABDUR-REHMAN	Primary School	X: 30°45'4.50"N Y: 72°23'31.09"E	332	M.Yousaf	0301-2253834
8	GPS DARGAHI PUR	Primary School	X: 30°45'4.50"N Y: 72°23'31.09"E	190	Abdul Majeed	0346-7188482
9	GES KOT KARAM SHAH	Elementary School	X: 30°46'43.76"N Y: 72°26'21.85"E	256	Muhammad Anwar	0345-7555719
10	Govt. Primary School Khushal Key Baghlay	Primary School	X X: 30°45'9.95"N Y: 72°37'29.72"E:	65	Sajid Imran	0336-6023731
11	Govt. Primary School Ghulam Hussain Veroana	Primary School	X: 30°43'56.15"N Y: 72°31'57.16"E	103	Muhammad Tariq	0321-6932007
12	Govt Primary School 58/2 Tukra	Primary School	X: 30°45'9.95"N Y: 72°37'29.72"E	123	Muhammad Abdullah	0340-5355477
13	Govt. Elementary School 58/3 Tukra	Elementary School	X X: 30°45'9.95"N Y: 72°37'29.72"E:	303	Habibullah	0346-4917714
14	Govt. Primary School 731/GB	Primary School	X: 30°35'29.98"N Y: 72°38'27.07"E	259	Muhammad Nawaz	0343-7857519
15	Govt. Primary	Primary School	X: 30°39'3.72"N	100	Muhammad	0342-6937142

	School Tara Haveli Kalan		Y: 72°43'34.90"E		Tariq	
16	Govt. Primary School Jhangi Pohran	Primary School	X: 30°40'46.00"N Y: 72°35'1.95"E	78	Akhtar Ali	0345-7553964
17	Govt. Primary School Hayat Key Kathia	Primary School	X: 30°39'59.67"N Y: 72°33'5.16"E	91	Zubair Ahmad	0334-9629419
18	Govt. Primary School Bagar	Primary School	X: 31° 8'28.19"N Y: 72°27'39.28"E	95	Muhammad Aalam	0342-7881781
19	Govt. Primary School Sher Singh	Primary School	X: 30°37'17.12"N Y: 72°40'39.14"E	80	Sohail Iqbal	0301-7200729
20	Govt. Elementary School 734/GB	Elementary School	X: 30°37'1.02"N Y: 72°34'59.99"E	277	Muhammad Arif	0333-6655734
21	GGES CHAK 731 GB	Elementary School	X: 30°35'29.98"N Y: 72°38'27.07"E	352	SHAHNAZ BHATTI D/O ALLAH BAKSH BHATTI	0333-6185017
22	GMES DUL THE BHANI 57/4 TUKRA	Elementary School	X: 30°45'4.47"N Y: 72°36'4.04"E	318	BUSHRA KANWAL D/O MUHAMMAD NIAZ	0333-7397097
23	GGES CHAK 733 GB I	Elementary School	X: 30°35'42.38"N Y: 72°36'6.52"E	367	ASMA ZEB D/O RANA MUHAMMAD AFZAL	0334-6564600
24	GGES 58/3 TUKRA HAJI GHULAM RASOOL BEHNI	Elementary School	X: 30°45'9.95"N Y: 72°37'29.72"E	182	MUSSARAT PARVEEN D/O MUHAMMAD ASHRAF	0333-6885944
25	GGPS CHAK 57/3 TUKRA	Primary School	X: 30°45'4.47"N Y: 72°36'4.04"E	74	BUSHRA CHAND D/O CHAND MUHAMMAD AASI	0345-7919040
26	GGPS CHAK 58/1 TUKRA	Primary School	X: 30°45'9.95"N Y: 72°37'29.72"E	104	SANA TEHSEEN D/O MUHAMMAD SARWAR KHAN	0332-6883505
27	GMPS CHAK 732 GB	Primary School	X: 30°38'14.24"N Y: 72°43'37.52"E	198	SMADIA SABIR D/O GHULAM SABIR	0306-6728633
28	GGES GHULEY KEY BAGHELAY	Elementary School	X: 30°37'33.61"N Y: 72°30'21.70"E	97	Uzma Ayub D/O M.Ayub Shahid	0335-7344055
29	GGPS GHULAY KA BAGHLAY	Elementary School	X: 30°37'33.61"N Y: 72°30'21.70"E	93	Sumaira parveen	0334-7277422
30	GMPS KARIM KATHIA	Primary School	X: 30°32'31.09"N Y: 72°29'27.34"E	74	Kalsoom Khan d/o Khan	0345-0112745

					Muhammad	
31	GMES SAIR MOHAL CHAK 743 GB	Elementary School	X:30°38'30.60"N Y:72°28'15.36"E	111	Shaista Malik D/o Abdul Malik	0333-2018636
32	GMES BHUSSI KATHIA	Elementary School	X:30°37'21.31"N Y:72°32'57.49"E	162	AMBREEN IFTIKHAR	0337-0434818
33	GMES MAJU KATHIA	Elementary School	X:30°38'35.94"N Y:72°30'12.72"E	185	Robina munir Father's name Muhammad ramzan munir	0342-4737997
34	GGES CHAK 744 GB	Elementary School	X: 30°39'4.06"N Y:72°27'27.44"E	140	Rehana Yasmeen D/o Ashfaq Ahmed	0343-1655596
35	GMPS TIBBI KATHIA	Primary School	X:30°38'35.94"N Y: 30°38'35.94"N	214	Noreen Nawaz / Haq Nawaz	0346-6120551
36	GMPS MOUZA RAJIB KATHIA	Primary School	X: 30°44'8.27"N Y: 73° 3'13.43"E	106	Muhammad Sajid s/o Nazir Ahmad	0345-7029018
37	GGPS MOUZA BUB	Primary School	X:30°36'50.49"N Y:72°27'32.04"E	102	Fariha kanwal shaheen D\o Muhammad Saleem	0314-3581602
38	GGPS CHAK 743 GB SUKHERY KAY	Primary School	X:30°38'30.60"N Y:72°28'15.36"E	82	Misbah Manzoor d/o Manzoor Ahmad	0348-1867505
39	GGPS JALAR SUGLA	Primary School	X:30°38'30.60"N Y:72°28'15.36"E	58	ASIFA ISHAQUE D/O MUHAMMAD ISHAQUE	0333-7930908
40	GGPS TARA HAVALI	Primary School	X: 30°40'34.74"N Y: 72°33'46.30"E	69	RIFFAT ALAM SHER D/O ALAM SHER	0334-7182489
41	GGES CHAK 742 GB	Elementary School	X: 30°38'0.13"N Y:72°32'42.95"E	250	Farhat Yasmin d/o Abdul Majeed	0336-8676214
42	GGPS CHAK 734 GB	Primary School	X:30°38'30.60"N Y:72°28'15.36"E	213	saima Tasneem d/o Abdul shakoor	0343-7457110

ANNEX V: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S#	Industry Name	Location	GPS Coordinates	Type	Risk Level	Prone to Hazard
1	MALIK FLOUR MILLS, KAMALIA	JAKHAR ROAD KAMALIA	31°25'53.17"N 73° 5'46.53"E -	Flour	Low	Flood
2	NEW WHEAT FLOUR MILLS, KAMALIA	MANDI MORE KAMALIA	-	Flour	Low	Flood
3	AL-FATEH FLOUR MILLS, KAMALIA	MOHALLAH FAZAL DEWAN KAMALIA	30°43'20.77"N 72°38'59.11"E -	Flour	Low	Flood
4	AL-KARAM FLOUR MILLS, KAMALIA	RAJANA ROAD NEAR BY PASS KAMALIA	30°45'56.94"N 72°36'48.85"E -	Flour	Low	Flood
5	PIRMAHAL FLOUR MILLS, PIRMAHAL	SANDHLIANWALI ROAD PIRMAHAL	-	Flour	Low	Flood
6	ITTEHAD FLOUR MILLS, PIRMAHAL	SANDHLIANWALI ROAD PIRMAHAL	30°45'6.55"N 72°25'24.01"E -	Flour	Low	Flood
7	CHIRAGH FLOUR MILLS, PIRMAHAL.	SANDHLIANWALI ROAD PIRMAHAL	30°44'25.66"N 72°24'43.61"E -	Flour	Low	Flood
8	TWO STAR INDUSTRIES PVT.LTD.	TOBA ROAD NEAR KAMLAIA	31°26'29.91"N 74°19'40.54"E -	Sugar	Low	Flood
9	FIVE STAR RICE MILLS,	BUSHI ROAD PIRMAHAL	30°43'53.27"N 72°26'44.31"E -	Rice	Low	Flood
10	HAJI FAZAL DIN RICE MILL	BHATTI ROAD PIRMAHAL	- 30°42'54.28"N 72°27'30.62"E	Rice	Low	Flood
11	CH. RICE MILS,	BHUSI ROAD PIRMAHAL	- 30°45'55.71"N 72°26'13.95"E	Rice	Low	Flood
12	PIRMAHAL RICE MILLS ,	BYPASS PIRMAHAL	- 30°45'41.33"N 72°26'9.36"E	Rice	Low	Flood
13	MARSHAL RICE MILL	KAMILA ROAD PIRMAHAL	30°45'55.71"N - 72°26'13.95"E	Rice	Low	Flood
14	AL-REHMAN RICA MILL	RAJANA ROAD PIRMAHAL	-	Rice	Low	Flood
15	ALI RICE MILLS	BYPASS PIRMAHAL	-	Rice	Low	Flood
16	ZAIN RICE FACTORY,	708 GB KAMALIA	-	Rice	Low	Flood
17	TAJ RICE MILL	KAMALIA	-	Rice	Low	Flood
18	ZOHAIB RICE MILL	KAMILA	-	Rice	Low	Flood

19	MADINA RICE MILL	KAMILA	-	Rice	Low	Flood
20	AKBER RICE MILL	713/ GB KAMALIA	-	Rice	Low	Flood
21	HAFIZ RICE MILL	712/GB KAMALIA		Rice	Low	Flood

ANNEX VI: LIST OF NGOs WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
1	Shahbaz Welfare Society,	Local	Mohala Islam-Pura , Tehsil Kamalia.	Industrial Home, Free Dispensary,	Dr. Anwer Iqbal	03336889685
2	Anjuman Samaji Behbood and Traqi,	Local	Chak No 286 J. B Tehsil Toba Tek Singh.	Industrial Home, Public School, Dispensary and Madrasa Taleem-ul-Quran,	Abdul Jabbar	03464842386
3	Social Welfare Society,	Local	Chak No 254 G.B Tehsil Toba Tek Singh.	Industrial Home	Mian Hafeez Ullah	0462540153
4	Anjuman Falaho-o-Behbood Mareezan,	Local	D.H.Q. Hospital , Toba Tek Singh.	Patient Welfare	Mian Naseer Ahmad	03016518900
5	Social Welfare Society,	Local	Summandri Road Rajana.	Industrial Home,	Rana Abdul Qadeer	03157562188
6	Islahi Committee,	Local	Chak No 327 G.B Tehsil Pirmahal	Industrial Home	Ch: Sarfraz	03347703693
7	Social Welfare Society,	Local	Chak No 319 G.B, Tehsil Pirmahal	Public School	Nasir Mehmood Saleemi	0463360666 03006561419
8	Social Welfare Society,	Local	Chak No 256 G.B, Tehsil Toba Tek Singh	Industrial Home	Dr. Zafar Iqbal	0462541293
9	Anjuman Behbood-e-Mareezan,	Local	T.H.Q. Hospital Kamalia.	In-active	Muhammad BakhshBhatti	03005325871
10	Darul Islam Welfare Society,	Local	Tehsil Toba Tek Singh.	i)Industrial Home and MaddrasaTaleem-ul-Quran Near General Post Office, Toba Tek Singh. ii) Free Dispensary Near Mujddidia Mosque, EidGhah Road T.T. Singh iii) Free Dispensary Mohallah Gobid-Pura, Toba Tek Singh.	Ahmad Din Rehmani	03006565313
11	Shaoor Welfare Society,	Local	Tehsil Kamalia	In-active	Atta-ur-Rehman Khan	03008069231
12	Child-in- School Welfare Foundation,	Local	MauzaThataBhatian Tehsil Pirmahal	Education	Dr. M. Ramzan	0301-7285350
13	Social Welfare, Women Development	Local	Pir Mahal Tehsil Pirmahal.	In-active	Imtasal Ahmad	03326952552

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
	Society,					
14	Abul Fazal Welfare Society,	Local	Akalwala Road, Tehsil Toba Tek Singh	Industrial Home, Madrassa Taleem ul-Quran	Muhammad Abbas	0462516253
15	Al-Madni Social Welfare Society,	Local	Iqbal Park Road, Pirmahal Tehsil Pirmahal	Industrial Home, Free Dispensary, Ambulance Special Education School,	Dr. Abid Hussain	03057331592
16	Al-Irfan Welfare Society,	Local	Chak No 330/J.B Tehsil Toba Tek Singh	Education School	Muhammad Irfan	03326619452
17	Youth Welfare Society,	Local	Chak No 386/J.B Tehsil Toba Tek Singh	General Welfare	Itteq-ur-Rehman	03016519386
18	Labbak Welfare Society,	Local	Shor Kot Road, Tehsil Toba Tek Singh	Free Hospital	Dr. Muhammad Saleem	0462512900 03336871049
19	Happy Life social welfare Organization	Local	Jinnah Market Toba Tek Singh	Happy life Clinic,	Sultan Mehmood Siddho	03008797596
20	Wali Gee Memorial Welfare Foundation,	Local	Chak No.327/JB Toba Tek Singh	General Welfare	Zaeem Ashraf	0336-6666327
21	Piara Pakistan Social Welfare Society,	Local	Chak No.709/G.B, Tehsil, Kamalia	Industrial Centre,	Sajid Ali	03214532609
22	Karimia Welfare Society,	Local	Mohala Mohib Ali Shah Tehsil Kamalia	Health General Welfare	Pir Shahid Hussain	03007654329
23	Smile Welfare Organization,	Local	Mohallah Kamal Colony, Tehsil, Kamalia	General Welfare	Kazim Shah	03336882295
24	Bismillah Welfare Organization	Local	Chak No.739/GB, Tehsil Kamalia	Women Welfare Industrial School	Saddia Akber	03217959744
25	Roshni Welfare Foundation	Local	Muhammad Shah Road, Tehsil, Kamalia	Public School	Atta ur Rehman Khan	03008069231
26	Majlis-e-Rafah-e-Aama	Local	Abdullah Chowk Toba Tek Singh	General Welfare	Hafeez-ur-Rehman	03346289958
27	Prisoners Welfare Society	Local	District Jail Toba Tek Singh	General Welfare	Mian Abdul Sittar	03438787343
28	Young Welfare Society,	Local	Chak No.157/G.B, Gojra	Health, Education, Industrial Home	Zahid Serfraz	0463513446

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
29	Anjuman Behbood Mazooran-e-Samat Roze Academy	Local	Gojra	Disabled Education	Muhammad Suleman Khan,	0463511352
30	Al-Barkit Welfare Society	Local	Gojra	Health /Education	Riaz Ahmed	03066550970
31	Musawar Welfare Council,	Local	Pensra Road Gojra	General Welfare	M. Abbass Ali	03017009584

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Focal Person for Disasters	Mian Faraz Munir	046-9401122		0331-7771122
2	Commissioner	Ishrat Ali Bajwa	041-9201717		03040920054
3	RPO	Riffat Mukhtar Raja	041-920061		03336639282
4	DC	Umer Javed	046-9201001 046-2515922	046-2510659	0304-0920079
5	DPO	Mr. Rana Muhammad Umer Farooq	046-9201051	046-9201052	
6	ADCR	Mr. Muddasar Ahmed	046-9201011		0321-8889059
7	DO Civil Defence	Mr. Mureed Abbas	046-9201137		0300-6832905
8	DEO Rescue 1122	Mr. Main Faraz Munir	046-2514122		0331-7771122
9	SNA	Mr. Muhammad Mahmood Ahmed	046-2516777		0300-8662291
10	AC Toba Tek Singh	Ms. Zoha Shakir	046-2515967		0335-9717971
11	AC Gojra	Ms. Sumera Ambrine	046-9200010		0335-22040066
12	AC Kamalia	Muhammad Irfan	046-3412371		0300-6355515
13	AC Pirmahal	Mr. Rana Ghulam Murtaza	046-3360333		0333-2005088
14	AC -				
15	AC -				
16	Tehsildar -				
17	Tehsildar Toba Tek Singh	Mr. Salman Kareem Khan	046-2510198		0300-4517318
18	Tehsildar Gojra	Mr. Sana Ullah Hanjra	046-9200012		0345-1701241
19	Tehsildar Kamalia	Mr. Ghulam Dastgeer			0302-7865578
20	Tehsildar Pirmahal	Mr. Aslam			0300-7914439
21	Tehsildar -				
22	Chief Officer, Municipal Committee, T.T.Singh	Mr. Touseef-ur-Rehman	046-9201041		0333-1877773 0300-7218293
23	Chief Officer, Municipal Committee, Gojra	Mr. Tariq Proyaa	046-9200083		0300-9603760
24	Chief Officer, Municipal Committee, Kamalia	Mr. Shehryar	046-3413898		0321-6161161

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
25	Chief Officer, Municipal Committee, Pirmahal	Mr. Mian Mansha Ahsan	046-3361421		0300-9420927
26	Chief Officer -				
27	Chief Officer -				
28	CEO Education	Mr. Mahar Aftab	046-2515193		0333-6756118
29	Chief Engrn. Irrigation				
30	XEN Irrigation	Mr. Umair Tanveer			0300-8199708
31	XEN Buildings	Mr. IjazAhmad	046-9201037		0300-7813700
32	XEN Highways	Mr. Zahid Ashfaq	046-9201040		0302-8280693
33	DO Agriculture	-	-	-	-
34	CEO Health	Dr. Kashif Bajwa	046-9201048 046-920-1131		0333-4827468
35	DMO		046-2515967		
36	Incharge DHQ Hospital	Dr. Mian Ahmad Farooq	046-2200083 046-9201108		0333-8810304
37	Veterinary Officer				
38					
39					
40					

ANNEX VIII (A): LIST OF CIVIL DEFENCE VOLUNTEERS

Sr. No.	Name	Father's Name	CNIC No.	Cell No.	Address	Tehsil	Blood Group	Time required to be on Board
1.	29-Nisar Ahmad	Sardar Ali	33303-1708837-3	0334-6154028	Street No. 02, Mohallah Bakhshi Park, T.T.Singh	T.T.Singh	-	On duty
2.	26-Habib Hussain	Muhammad Sharif	33303-5834360-3	0341-7926494	Chak No. 392 J.B T.T.Singh.	T.T.Singh	-	On duty
3.	45-Muhammad Faizan Ahmad	Muhammad Akram	33303-1964195-3	0332-6609220	Faiz Colony T.T.Singh	T.T.Singh	-	On duty
4.	52-Mubashir Hussain	Muhammad Sadiq	33301-3295719-9	0342-7030308	Chak No. 308/JB, Sarangi P.O. Tehsil Gojra, T.T.Singh	Gojra	-	On duty
5.	41-Muhammad Arslan	Ghulam Abbas		0348-5994423	Chak No. 478 J.B T.T.Singh	T.T.Singh	-	On duty
6.	46-Muhammad Asif	Qari Faiz Muhammad	33303-1102498-7	0341-8220248	Housing Colony T.T.Singh	T.T.Singh	-	On duty
7.	27-Muhammad Shahzad	Muhammad Boota	33303-6106867-5	0346-6127687	Chak No. 151 J.B T.T.Singh	T.T.Singh	A+	On duty
8.	51-Muhammad Waseem Ishaq	Muhammad Ishaq Naseem	33303-2456198-7	0308-6365604	Chak No. 318/GB, Teh. &, Distt. T.T.Singh	T.T.Singh	-	On duty
9.	65-Shahid Ashfaq	Muhammad Ashfaq	33303-6212180-7	0348-6947011	Chak No. 262/GB, Jhook Marth Teh. &, Distt. T.T.Singh	T.T.Singh	-	On duty
10.	47-Muhammad Shahid	Abdul Rashid	33303-4031070-1	0304-1451619	Chak No. 323 J.B T.T.Singh	T.T.Singh	-	On duty
11.	39-Shan Ali	Muhammad Boota	33303-3247190-5	0308-6858808	Chak No. 151 J.B T.T.Singh	T.T.Singh	AB+	On duty
12.	591-Aslam Pervez Khan	Abdul Wahid Khan	33303-5495094-5	0300-6562464	H.# 45/1, Block A-3, Raja Park TT Singh	T.T.Singh	AB+	On duty
13.	588- Sajjad Hussain	Ziad Ali	38402-1548636-7	0347-7628875	Muzaffarabad Jhania Shah Tehsil Sahiwal District Sargodha	T.T.Singh	-	On duty
14.	38-Muhammad Naveed Iqbal	Muhammad Iqbal	33303-3247190-5	0300-7961319	Sitara Colony T.T.Singh	T.T.Singh	-	On duty
15.	45-Shahid Manzoor	Muhammad Manzoor	33302-0706800-9	0306-7280958	B-Plot , Teh. Pirmahal, Distt. T.T.Singh	T.T.Singh	-	On duty

16.	584- Saddam Hussain	Shabbir Ahmad	33303-1961994-5	0300-8833158	Chak No. 358/GB, T.T.Singh.	T.T.Singh	B+	On duty
17.	70- Ali Raza	Shahid Iqbal	33105-7401592-9	0307-1434113	Chak No. 195/GB Faisalabad	Faisalabad	A+	On duty
18.	30- Muhammad Usman	Munir Ahmad	33302-9642612-3	0302-7079868	Madina Colony Kamalia	Kamalia	-	On duty
19.	42- Muhammad Shaban	Abdul Jabbar	33301-5281146-1	0313-6523418	Chak No.97, Teh. Gojra, Distt. T.T.Singh	Gojra	-	On duty
20.	56- Ali Akbar Waseem	Muhammad Yaqoob	33301-6674210-9	0346-7712765	House No. P-287/44, Street No. 01, Mohallah Al-Nafees Society, Teh. Gojra, Distt. T.T.Singh	Gojra	-	On duty
21.	542- Fiaz-ul-Haq	Basheer Ahmad	33303-2514158-1	0341-4404468	St. No. 06, Faiz Colony, T.T.Singh.	T.T.Singh	AB+	On duty
22.	32- Muhammad Shafqat Rasool	Maqsood Ahmad	42000-3207259-9	0315-8707589	Officer Colony Toba Tek Singh	T.T.Singh	-	On duty
23.	40- Mehmood Nasir	Mehmood Nasir	33303-8118886-1	0300-8790795	Kamal Chowk Toba Tek Singh	T.T.Singh	-	On duty
24.	36- Abrar Hussain	Muhammad Azhar	33302-2537798-9	0302-6585545	Chak No. 339J.B, T.T.Singh	T.T.Singh	B+	On duty
25.	35- Wakeel Ahmad	Naseer Khan	33303-6205152-9	0342-4439270	Chak No. 339J.B, T.T.Singh	T.T.Singh	B+	On duty
26.	587- Muhammad Jawad Athar	Abdul Qayoom	33303-0793678-9	0344-1767665	Chak No. 288/GB, Pirmahal	T.T.Singh	B+	On duty
27.	598- Abrar Hussain	Muhammad Jamil	33303-8430297-7	0343-1751325	Chak No. 325/GB, Pirmahal.	Pirmahal	A+	On duty
28.	22- Ghulam Saqlain	Ghulam Mustafa	33303-1029500-1	0345-7573510	Chak No. 310 G.B Toba Tek Singh	T.T.Singh	-	On duty
29.	25- Muhammad Mushtaq	Muhammad Ramzan	33303-5650644-5	046-9201137	Kamal Chowk Toba Tek Singh	T.T.Singh	O+	On duty
30.	55- Nadeem Anjum	Allah yar anjum	33302-1428074-1	0306-0739007	Mohalla Islam Nagar Kamalia	Kamalia	-	On duty
31.	31- Muhammad Adil Gill	Zulfqar Ali Shahid	33303-1926940-7	0348-7743318	Chak No. 318/GB, T.T.Singh	T.T.Singh	O+	On duty
32.	58- Tajamal Rasool	Riaz Ahmad Khan	33302-2215031-7	0303-5036887	House No. 126, Street No. 17, Mohallah Hussain Shah Near Thana City, Teh. Kamalia Distt. T.T.Singh	Kamalia	-	On duty

33.	50- Zakias Ali	Muhammad Azeem	33303-5743855-7	0303-7630995	Housing Colony No. 01, Street No. 11, House No. 02, Teh. & Distt. T.T.Singh	T.T.Singh	-	On duty
34.	37- Ahsan Jameel	Muhammad Jameel	33303-5893590-7	0303-0630457	Chak No. 304/GB, Teh. & Distt. T.T.Singh	T.T.Singh	-	On duty
35.	60- Muhammad Bilal	Muhammad Iqbal	33303-7805976-7	0307-5986396	Chak No. 323 J.B T.T.Singh	T.T.Singh	-	On duty
36.	43- Muhammad Idrees	Mukhtaar ahmad	33302-0380852-5	0347-5132930	Plot No. 57/1 Tukra, Chak No. 746/GB, Teh. Kamalia, Distt. T.T.Singh	Kamalia	A+	On duty
37.	53- Muhammad Abid Majeed	Abdul Majeed	33303-4575441-1	0308-8244645	Mohallah Bakhshi Park, Teh. & Distt. T.T.Singh	T.T.Singh	A+	On duty
38.	63-Mujtaba Umair	Syed ghulam murataza azhar	33302-1433889-5	0300-5862710	Chak No. 710/GB, Teh. Kamalia, Distt. T.T.Singh	Kamalia	-	On duty
39.	24- Waris Ali	Altaf hussain	33303-0922062-3	0305-4279338	Chak No. 381 J.B Toba Tek Singh	T.T.Singh	-	On duty
40.	64- Muhammad Javed	Muhammad Afzal	33303-5805058-3	0316-7560412	Chak No. 327/GB, T.T.Singh	T.T.Singh	-	On duty
41.	62- Muhammad Shahbaz	Asghar Ali	33303-8981820-5	0303-6827659	Chak No. 296 J.B Toba Tek Singh	T.T.Singh	-	On duty
42.	20- Shakir Ali	Shokat Ali	33303-8045462-9	0342-6563949	Chak No. 255/JB Toba Tek Singh	T.T.Singh	B+	On duty
43.	67- M. Amjad	M. Khalid	33303-8067313-5	0300-2540511	Chak No. 224/JB Toba Tek Singh	T.T.Singh	B+	On duty
44.	68- M. Suleman	Mehboob Ahmad	33302-5635476-3	046-9201137	Mohallah Mehndiabad, Gojra	Gojra	-	On duty
45.	28- Muhammad Shahzad	Muhammad Akram	33303-9084383-3	0301-7291519	Chak No. 519/GB, T.T.Singh	T.T.Singh	-	On duty
46.	73- Ghulam Murtaza	M. Akbar	33303-0797680-9	0300-7977863	H No. 67-A, Shalimar Town, T.T.Singh	T.T.Singh	A+	On duty
47.	71- M. Asif	Liaqat Ali		0347-8706797	Chak No. 405/JB Toba Tek Singh		-	On duty
48.	72- Aasifa Ghaffar	Abdul Ghafoor	33301-7558000-6	0304-7904798	Mohallah Ansar Colony, Gojra	Gojra	B+	On duty
49.	34- M. Sajjad	M. Iqbal	33303-7219292-1	0308-6766811	Chak No. 321/JB Toba Tek Singh	T.T.Singh	-	On duty
50.	66- Ramiz Latif	M. Latif	33302-8533453-7	0304-3519607	Zehshan Colony Kamalia	Kamalia	-	On duty

ANNEX VIII (B) : LIST OF SWIMMERS / DIVERS

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Muhammad Mahmood Ahmed	35202-0777746-7	Chak No. 291 GB Toba Tek Singh	03008662291	B +	On call
2	M. Ali	33303-5112972-1	Chak #377 JB Teh TTSingh	0332-8164625	B+	On call
3	M. Umar	33303-9236165-7	Chak#293 GB TTSingh	0333-3330293	O+	On call
4	Aamir Saeed	33303-0902636-9	Chak#285 GB TTSingh	0343-7072285 0300-3165811	A+	On call
5	Furukh Hamid	33303-2166710-5	Chak No 386 JB TTSINGH	0345-7617386	A+	On call
6	Habib Ullah	33202-1157120-7	Chak No 442 JB Jhang	0300-7507521	A+	On call
7	Saleem Akhtar	33302-8483245-1	58/3 Tukra Kamalia	0300-7716707	A+	On call
8	M. Waseem	33100-7422297-7	Shalimar Park#2 Faisalabad	0302-7060611	A+	On call
9	Khuram Shahzad	33303-4352888-3	chak#361 GB Teh TTSINGH	0332-6678361	O+	On call
10	M. Shakeel Ur Rasheed	33302-2649221-3	Chak#689/31 Teh Kamalia	0345-7902631	AB+	On call
11	Irfan Ahmad	33301-4862010-9	Gharh mohallah Gojra	0302-6060568	A+	On call
12	Shafique ur Rehman	33303-3011877-1	327 JB Bhalair, Toba Tek Singh	0332-3271122	O+	On call
13	Israr Hussain	35202-9912500-7	Chak No 334 GB Toba Tek Singh	0345-1788946	O+	On call
14	Waqar Qadir	33303-8872203-5	St # 06, Faiz Colony, Toba Tek Singh	0333-5898294	A+	On call
15	M. Tayyab	33303-1067966-1	Mohallah Irshad park TTSingh	0334-6276974	A+	On call
16	Sajid Hussain	33301-9934336-7	Mohallah Mughal Pura, Gojra TTSingh	0322-7783240 0347-8733155	A+	On call
17	M. Saqib	33303-7363133-5	Chak No 249 GB TTSingh	0314-3600051	A+	On call
18	Sageer Hussain Shah	33303-2958935-7	Chak No 249 GB TTSingh	0336-6559237	B+	On call
19	Zeeshan Akbar	33303-2970983-7	Chak No. 251 GB TTSingh	0343-7708651 0335-1122651	O+	On call
20	Nisar Ahmad	33302-2716092-9	Chak No 704/46 GB TTSingh	0301-7359380	B-	On call
21	Kashif Mehmood	33303-9189416-7	Chak No 358 GB Mughli TTSingh	0335-1122358	A+	On call

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
22	M. Haris	33303-8520576-9	P# 172 Kachi Basti TTSingh	0301-6512882 0333-6626684	O-	On call
23	M. Israr	33301-8543910-7	P# 380, St # 01 Tariq Abad Gojra	0301-7086383	A+	On call
24						

ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA-111	Mr. Khalid Javed (PML N)	MNA		PP-118	Mr. Bilal Asghar Warraich (MPA) (PTI)	MPA	
NA-112	Mr. Muhammad Junaid Anwar Chaudhry (MNA) (PML N)	MNA		PP-119	Mr. Abdul Qadeer (MPA) (PML N)	MPA	
NA-113	Mr. Riaz Fatiana (MNA) (PTI) Chairman Standing Committee National Assembly Law and Justice	MNA		PP-120	Mr. Muhammad Ayub Khan (PML N)	MPA	
				PP-121	Mr. Saeed Ahmad (PTI)	MPA	
				PP-122	Ms. Ashifa Riaz (MPA) (PTI) Minister for Women Development Punjab	MPA	
				PP-123	Ms. Sonia Ali Raza Shah (PTI)	MPA	

ANNEX X: LOCAL GOVERNMENT

TEHSIL TOBA TEK SINGH

Sr No	Name with father Name	Designation	BPS	Length of Service	Establishment Branch	Qualification
1	Muhammad Saeed Ahmad S/o Muhammad Siddique	Sanitation Promoter	6	24 Year 05 Month 20 days	Chairperson Branch	Matric
2	Ghulam Mustafa S/o CH Ali Ahmad	Junior Clerk	11	33 Year 10 Month 03 days	Chief Officer Branch	F.A
3	Muhammad Asghar S/o Nawab Din	Driver	5	23 Year 04 Month 05 days	Chief Officer Branch	Middle
4	Nazar Hussain S/o Muhammad Ramzan	Chowkidar	4	30 year 06 Month 01 day	Chief Officer Branch	Literate
5	Liaqat Ali S/o Abdul Haq	Naib Qasid	4	33 year 05 Month 21 days	Chief Officer Branch	Literate
6	Shoukat Ali S/o Munir Ahmad	Sub-Engineer	14	07 year 10 Month 16 days	Infrastructure & Service Branch	DAE
7	Muhammad Latif S/o Muhammad Rafique	Sub-Engineer	14	08 Year 07 Month 28 days	Infrastructure & Service Branch	B.Teh Hounr
8	Muhammad Mohsin Ali S/o Muhammad Zulfiqar	Junior Clerk	11	09 Year 09 Month 08 days	Infrastructure & Service Branch	F.A
9	Rana Khalid Mehmood S/o Aziz Ahmad	Junior Clerk	11	32 Year 10 Month 13 days	Infrastructure & Service Branch	Matric
10	Ishrat Younas w/o Rana Muhammad Younas	Junior Clerk	11	11 Year 04 Month 03 days	Infrastructure & Service Branch	Matric
11	Muhammad Azam S/o Faiz Ahmad	Road Rollor Driver	5	32 Year 04 Month 06 days	Infrastructure & Service Branch	Literate

12	Shamas ud Din S/o Niaz Din	Driver	5	38 Year 02 Month 26 days	Infrastructure & Service Branch	Literate
13	Mukhtar Ahmad Khan	Electrician	5	31 Year 03 Month 18 days	Infrastructure & Service Branch	Matric
14	Auranzaib S/o Abdul Sattar	Road Rollor Cleaner	4	31 Years	Infrastructure & Service Branch	Matric
15	Adil S/o Riaz Javed Masih	Sanitary Worker	1	04 Year 05 Month 13 days	Infrastructure & Service Branch	Literate
16	Muhammad Siddique S/o CH Muhammad Boota	Superintenden t Arboriculture	17	33 Year 09 Month 26 days	Arboriculture Branch	M.A
17	Muhammad Tufail S/o Fazal Muhammad	Baildar	5	33 Year 05 Month 17 days	Arboriculture Branch	Literate
18	Faqeer Hussain S/o Nazir Ahmad	Baildar	5	33 Year 10 Month 15 days	Arboriculture Branch	Literate
19	Muhammad Afzal S/o Muhammad Ibrahim	Baildar	5	33 Year 11 Month 01 day	Arboriculture Branch	Literate
20	Muhammad Nawaz S/o Muhammad Rafique	Baildar	5	33 Year 10 Month 17 days	Arboriculture Branch	Literate
21	Riaz Masih S/o Rehmant Masih	Baildar	5	33 Year 10 Month 15 days	Arboriculture Branch	Literate
22	Muhammad Siddique S/o Ghulam Bheek	Baildar	4	32 Year 04 Month 05 days	Arboriculture Branch	Literate
23	Asif Shahzad S/o Muhammad Saddiq	Baildar	2	14 Year 09 Month 12 days	Arboriculture Branch	Literate
24	Muhammad Nadeem S/o Ghulam Dastgeer	Baildar	2	13 year 03 Month 18 days	Arboriculture Branch	Literate
25	Umar Hayat S/o Farzand Ali	Baildar	2	13 Year 09 Month 18 days	Arboriculture Branch	Literate

26	Muhammad Ashfaq S/o Mushtaq Ahmad	Baildar	1	05 Year 08 Month 13 days	Arboriculture Branch	Literate
27	Muhammad Mohsin Iqbal S/o Muhammad Anwar	Mali	4	34 year 11 Month 06 days	Arboriculture Branch	Literate
28	Abdul Kareem S/o Noor Muhammad	Junior Clerk	11	33 Year 05 Month 03 days	Library	Matric
29	Muhammad Aslam Sanga S/o Kamir Khan	Junior Clerk	11	29 Year 08 Month 15 days	Library	Matric
30	Muhammad Fareed S/o Ahmad urf Mahni	Naib Qasid	4	30 Year 05 Month 19 days	Library	Literate
31	Muhammad Saleem S/o Muhammad Nazir	Junior Clerk	11	32 Year 03 Month 14 days	Finance Branch	D.com
32	Muhammad Ramzan S/o Fazal Muhammad	Senior Clerk	14	38 Year 03 Month 06 days	Finance Branch	Matric
33	Abdul Sattar S/o Shah Muhammad	Junior Clerk	11	30 Year 05 Month 02 days	Regulation Branch	Matric
34	Muhammad Saleem S/o Noor Muhammad	Naib Qasid	5	31 Year 06 Month 03 days	Regulation Branch	Middle
35	Muzaffar Ali S/o Munir Ahmad	Building Inspector	14	08 Year 10 Month 03 days	Planning Branch	DAE
36	Khurshid Ahmad Shakir S/o Abdul Majeed	Draftsman	13	30 Year 05 Month 15 days	Planning Branch	F.A
37	Ghulam Murtaza	Bshir Ahmed	Junior Clerk	12	15-8-1987	FA
38	Sohaib Ali	Shabbir Ali	Junior Clerk	12	11-11-2015	D.Com
39	Shahzia Riaz	Muhammad Riaz	Sanitary Promoter	08	17-03-1997	Matric

40	Zahid Aziz	Aziz Ahmed	Road Roller Driver	08	Primary	08-10-1988
41	Muhammad Iqbal	Sharif Muhammad	Naib Qasid	06	Medal	17-08-1987
42	Muhammad Ayyub	Muhammad Khan	Mate	06	Medal	1987
43	Muhammad Sadiq	Hamayoun	Baildar	03	-	1988
44	Zahoor Ahmed	Sarang Khan	Baildar	06	Primary	1987
45	Muhammad Habib	Ameer Khan	Baildar	04	-	1999
46	Nisar Ahmed	Muhammad Rafi	Baildar	06	Medal	1987
47	Sheikh Imdad		Sub Engineer	14	BA	I&S Branch
48	Altaf Hussain		Junior Clerk	11	Matric	Finance Branch
49	Ahsan Javaid		Senior Clerk	14	Matric	Co Branch
50	Muhammad Riaz		Junior Clerk	11	Matric	Planning Branch
51	Muhammad Afzal		Junior Clerk	11	FA	Regulation Branch
52	Qadeer Ahmad		Junior Clerk	11	Matric	Finance Branch
53	Amjad		Junior Clerk	11	FA	Co Branch
54	Muhammad Shoaib Alam		Sanatory Promotor	6	FA	I&S Branch
55	Ijaz Ahmad		Mate	5	Middle	I&S Branch
56	Ghulam Habib		Mate	5	Middle	I&S Branch
57	Muhammad Sarwar		Mate	5	Middle	I&S Branch
58	Shafaqat Ali		Baildar	2	Middle	I&S Branch
59	Asghar Ali		Baildar	5	Middle	I&S Branch
60	Muhammad Shafi		Baildar	4	Middle	I&S Branch
61	Naveed Ahmad		Baildar	1	Middle	I&S Branch

62	Noor Ahmad		Baildar	4	Middle	I&S Branch
63	Muhammad Arshad		Baildar	4	Middle	I&S Branch
64	Khalid Javed		Baildar	5	Middle	I&S Branch
65	Muhammad Zahid		Baildar	1	Middle	Co Branch
66	Allah Dita		Driver	7	Middle	Co Branch
1	Anawar Ahmad S/o Mushtaq Ahmad	Chief officer	16	3/1/1977	BA	14/7/2007
2	Mohsin Raza S/o Azhar Ahmad	MO(Finance)	14	15/4/1989	M.Com	12/4/2012
3	Ehsan Yousaf S/o Muhammad Yousaf	Senior Sub Engineer	14	17/1/1988	Diploma Associate Eng	8/6/2012
4	Atif Nadeem S/o Niaz Ahmed	Tax Clerk	11	1/1/1984	B.A	25-07-2013
5	Khalil Ahmed S/o Rehmat Ali	Naib Qasid	4	29/5/1966	Under Matric	27-05-1990
6	Muhammad Sarwar S/o Taj deen	Naib Qasid	4	15/12/1965	Under Matric	31-05-1990
7	Sakhi Muhammad S/o Muhammad Yameen	Naib Qasid	4	4/4/1964	Under Matric	1/10/1992
8	Muhammad Ashraf S/o Bashir Ahmed	Chowkidar	4	15/8/1974	Primary	15/8/1993
9	Abdul Jabbar S/o Muhammad Bukhsh	Tax Clerk	11	1/1/1980	B.A	25-07-2013
10	Dilshad Hussain S/o Fiza Muhammad	Octrio Clerk	11	15/1/1966	F.A	1/12/1988
11	Muhammad Farrukh Ashraf S/o Muhammad Ashraf	Junior Clerk	11	8/9/1993	B.A	22-12-2011
12	Muhammad Ameen S/o	Tax Clerk	11	18/4/1969	F.A	16-07-1995
	Ajmeer Khan					
13	Inam ul Haq S/o Muhammad Ibrahim	Tax Clerk	11	5/2/1986	F.A	14-07-2012
14	Naeem Khushi S/o Khushi Masih	Tax Clerk	11	9/9/1986	F.A	22-04-2013
15	Waleed Aslam S/o Muhammad Aslam	Tax Clerk	11	9/10/1994	F.A	2/7/2014

16	Pirran Ditta S/o Asghar Ali	Naib Qasid	5	27/11/1961	Praimary	17-08-1979
17	Hafeez Ahmed S/o Abdul Razzaq	Naib Qasid	4	27/5/1972	Primary	27-10-1993
18	Muhammad Akram Mujahid S/o Muhammad Ali	Octrio Clerk	5	20/8/1970	F.A	12/7/1995
19	Munir Ahmed S/o Fateh Deen	Tax Clerk	11	10/4/1966	Matric	3/8/1992
20	Adnan Mehboob S/o Mehboob Elahi	Naib Qasid	3	27/1/1979	Primary	16-12-1998
21	Bashir Ahmed S/o Khushi Muhammad	Octroi Clerk	11	4/6/1970	F.A	23-11-1988
22	Tahir Majeed S/o Niaz Muhammad	Octroi Clerk	11	2/1/1965	B.A	25-02-1988
23	Mushtaq Ahmed S/o Muhammad Tufail	Asst.Driver	5	4/8/1964	Praimary	26-11-1987
24	Muhammad Rafique S/o Abdul Hameed	Helper Plumber	5	1/4/1966	Praimary	2/10/1986
25	Kamran Haider S/o Ghulam Haider	Disposal Driver	4	10/4/1986	Praimary	1/4/2010
26	Ali Jaffer S/o Mian jaffer Hussain	Water Man	1	28/6/1986	Praimary	1/4/2010
27	Manzoor hussain S/o Abdul Aziz	Watar Man	5	4/12/1960	Praimary	8/5/1984
28	Shoukat Ali S/o Fateh Muhammad	Baildar	5	1/1/1965	Praimary	13-03-1986
29	Muhammad Ramzan S/o Naeer Deen	Baildar	5	26/10/1966	Praimary	3/9/1985
30	Muhammad Nawaz S/o Muhammad Ramzan	Baildar	4	14/7/1963	Praimary	11/7/1990
31	Liaqat Ali S/o Muhammad Ramzan	Baildar	5	13/7/1963	Praimary	13-07-1988
32	Manzoor Ahmed S/o Khan Muhammad	Baildar	3	19/7/1970	Praimary	19-07-1995
33	Shoukat Ali S/o Sultan	Baildar	3	13/4/1974	Praimary	20-07-1995
34	Piran Dittan S/o Shahmand	Baildar	2	18/9/1975	T.T.Singh	19/7/1995
35	Atiq Shehzad S/o Muhammad Sharif	Baildar	2	6/3/1987	T.T.Singh	15-11-2008
36	Suneel Rashed S/o Rasheed Masih	Tube well Op./chowkidar	3	30/1/1997	Matic	11/7/2018

37	Shahid Latif S/o Abdul Latif	Tube well Op./chowkidar	3	26/7/1985	B.A	30-10-2018
38	Muhammad Bilal S/o Muhammad Akbar	Tube well Op./chowkidar	3	4/4/1996	Middle	26/9/2019
39	Naqi ul hussnain Shah S/o Khizar hayat	Chowkiadr	3	14/7/1968	Primary	19-07-1995
40	Khalid Javed S/o Aziz Masih	Sanitry Supervisor	5	1/4/1966	Primary	7/8/1985
41	Jan Masih S/o Sadhu Masih	Sanitry Worker	5	14/7/1966	Primary	1/7/1987
42	Salamat Masih S/o Barkat Masih	Sanitry Worker	5	14/7/1969	Primary	1/3/1988
43	Shahid Naveed Masih S/o Jalal Masih	Sanitry Worker	5	12/9/1972	Primary	2/3/1988
44	Akram Masih S/o Sadiq Masih	Sanitry Worker	4	4/1/1970	Primary	1/1/1990
45	Tariq Masih S/o Qadir Masih	Sanitry Worker	5	14/7/1973	Primary	4/8/1986
46	Inayat Masih S/o Amanat Masih	Sanitry Worker	4	26/3/1972	Primary	1/2/1990
47	NAzar Masih S/o Qadir Masih	Sanitry Worker	4	14/7/1964	Primary	2/2/1991
48	Samual Masih S/o Sardar Masih	Sanitry Worker	4	14/7/1968	Primary	30-10-1993
49	Pervaiz Akhter Masih S/o Khushi Masih	Sanitry Worker	4	1/8/1969	Primary	30-10-1993
50	Saleem Masih S/o Bashir Masih	Sanitry Worker	4	14/7/1967	Primary	6/4/1993
51	Amanual Masih S/o Sardar Masih	Sanitry Worker	4	20/10/1972	Primary	30-10-1993
52	Mushtaq Masih S/o Akram Masih	Sanitry Worker	1	2/10/1980	Primary	1/4/2010
53	Akram Masih S/o Sardar Masih	Sanitry Worker	1	25/12/1989	Primary	1/4/2010
54	Sohail S/o Jamis Masih	Sanitry Worker	1	1/1/1984	Primary	1/4/2010
55	Ishtiaq Masih S/o Sadiq Masih	Sanitry Worker	1	14/9/1979	Primary	1/4/2010
56	Sunny Naveed S/o Jalal Masih	Sanitry Worker	1	13/5/1987	Primary	1/4/2010

57	Najamultahir Paloos S/o sardar Masih	Sanitry Worker	1	10/1/1984	T.T.Singh	1/4/2010
58	Zohaib Masih S/o Abbas Masih	Sanitry Worker	1	4/5/1989	Primary	1/4/2010
59	Asif Jan S/o Jan Masih	Sanitry Worker	1	6/10/1985	Primary	1/4/2010
60	Ashraf Masih S/o Irshad Masih	Sanitry Worker	1	27/8/1980	Primary	1/4/2010
61	Mohsin Masih S/o Jamis Masih	Sanitry Worker	1	26/10/1989	Primary	1/4/2010
62	Daniel Masih S/o Sardar Masih	Sanitry Worker	1	5/12/1976	Primary	1/4/2010
63	Barkat Masih S/o Sadiq Masih	Sanitry Worker	1	19/10/1976	Primary	1/4/2010
64	Shahid Masih S/o Mukhtar Masih	Sanitry Worker	1	27/8/1980	Primary	1/4/2010
65	Zulifiqar Masih S/o Nazeer Masih	Sanitry Worker	1	6/4/1978	Primary	1/4/2010
66	Akmal Masih S/o Gahfoor Masih	Sanitry Worker	1	20/12/1982	Primary	1/4/2010
67	Rehmat Masih S/o Amanat Masih	Sanitry Worker	1	9/1/1980	Primary	1/4/2010
68	Irshad Masih S/o basihr Masih	Sanitry Worker	1	20/6/1985	Primary	1/4/2010
69	Niaz hussain S/o Ghulam Hussain	Sanitry Worker	1	5/1/1982	Primary	1/4/2010
70	Muhammad Rizwan Arshad S/o Muhammad Arshad	Sanitry Worker	1	26/11/1986	Primary	1/4/2010
71	Fiasal Raza S/o Mumtaz Raza Khan	Sanitry Worker	1	30/12/1987	Primary	1/4/2010
72	Abdul Ghaffar S/o Noor Muhammad	Naib Qasid	5	1/6/1967	Middle	12/8/1985
73	Bashir Ahmed S/o Ronaq Alo	Naib Qasid	5	23/10/1961	Middle	31-10-1985
74	Waris A;l S/o Abdul Ghafoor	Chowkidar	2	12/5/1986	Primary	25-07-2013
75	Muhammad Munir S/o Ghulam Muhammad	Sanitry Worker	2	11/9/1985	Primary	10/8/2007
76	Muhammad Iqbal Sabar S/o Haji Muhammad	Octroi Clerk	11	23/3/1972	Matric	26/8/1996

Annex XI: Data Collection Proformas

P1: House Damage Assessment

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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.
----	-------------	-------------	-----------------	--------------------	------------------------------	----------------------	-----------------------------------

P10: Control Room

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

District: _____

Focal Person: _____

Date: _____

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

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

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

ANNEX XIII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

SR:#	NAME OF DIVISION	NAME OF EMBANKMENT / BUND	LENGTH (ft)
SARGODHA ZONE			
1	Rasul Head works Division	Right Guide Bund	2,121
2	-do-	Left Guide Bund	3,360
3	-do-	Right Guide Spur	2,762
4	-do-	Left Marginal Bund	17,170
Total in feet.			25,413
Total in Miles.			4.81
PMO BARRAGES			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
Total in feet.			25,080
Total in Miles.			4.75
FAISALABAD DIVISION			
1	Khanki Division	Left Marginal Bund	21,000
2	-do-	Right Marginal Bund	33,650
3	Jhang Division	Jhang Flood Protection Bund	71000
4	Qadirabad Barrage Division	Left Marginal Bund	64938
5	-do-	Right Marginal Bund	106300
Total in feet.			296888
Total in Miles.			56.22
BAHAWALPUR ZONE			
1	Punjnad Head works Division	Right Marginal Bund	70554
2	-do-	Left Marginal Bund	65169
3	-do-	Colony Protection Bund	15,000
4	Khanpur Canal Division	Minchin Flood Bund	115300
Total in feet.			266,023
Total in Miles.			50.23
MULTAN ZONE.			
1	Trimmu Division	Right Marginal Bund	54,000
2	-do-	Left Marginal Bund	46,000
3	Sulemanki Division	Left Marginal Bund	47,500
4	-do-	Right Marginal Bund	63,000
5	Shuja Canal Division	Right Bank of Shujabad Branch	48,000
6	-do-	Akbar Flood Bund	21,710
Total in feet.			280,210
Total in Miles.			53.07
D.G.KHAN ZONE			
1	Taunsa Barrage	Right First Defence Bund	23,500
2	-do-	Left Marginal Bund	133,200
3	-do-	Shahwala Groyne	66,000
4	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	188000
5	-do-	Doaba Flood Bund.	19000
6	-do-	Khargarh Flood Bund	153,000
7	-do-	Shehr Sultan Flood Bund	134000
8	Jampur Construction Division	Jampur Flood Bund	170720
9	-do-	Laskani Flood Bund	26365
Total in feet.			913,785
Total in miles			173.06

LBDC(IP)			
1	Balloki Head works Division	Left Marginal Bund	28,350
2	do	Right Marginal Bund	26,500
Total in Feet			54,850
Total in miles			10.38
LAHORE ZONE			
1	FLOOD Bund Division Narowal	Jassar Highway Bund	20,000
2	do	Rayya flood Bund	40,000
3	Pasrur Link Division Sialkot	City Flood Protection Bund along Aik Nullah	7,340
4	do	Hajoipur Flood Protection Bund along Aik Nullah	86,00
5	do	Left Flood Protection Bund over deg Nullah from defence embankment to Zafarwala Kingra road	11,250
6	Marala Division UCC	Left Marginal Bund	68,639
7	do	Right Marginal Bund	6316
8	Lahore Drainage Div.	Shahdara Flood Protection Bund	15,750
Total in Feet			169,295
Total in miles			32
Grand total in miles			

INFORMATION REGARDING FLOOD BUND CATEGORY B

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

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

ANNEX XIV: RIVER DISCHARGE RATES

River	Gauge Site	Designed Capacity (lac Cs)	Flood Limits in Lac Cs.				Exp. High
			Low	Med:	High	Very High	
INDUS	Kalabagh	9.5	2.5	3.75	5	6.5	8
	Chashma	9.5	2.5	3.75	5	6.5	8
	Taunsa	10	2.5	3.75	5	6.5	8
JHELUM	Kohala	12	1	1.5	2	3	4
CHENAB	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
	Marala	11	1	1.5	2	4	6
	Khanki	11	1	1.5	2	4	6
	Qadirabad	9	1	1.5	2	4	6
	Trimmu	8.75	1.5	2	3	4.5	6
RAVI	Punjnad	7	1.5	2	3	4.5	6
	Jassar	2.75	0.5	0.75	1	1.5	2
	Ravi Syphon	4.25	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
SUTLEJ	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XV: LIST OF BASIC TERMS

Acceptable risk

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

Biological hazard

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

Capacity

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

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

Capacity building

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

Climate change

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

Coping capacity

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

Disaster

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

Disaster risk management (DRM)

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

Disaster risk reduction/disaster reduction

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

Early warning

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

Emergency management

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

Forecast

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

Geological hazard

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