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Dated: 14 May, 2020

To

The Director (Operations),  
PDMA, 40-A Lawrence Road,  
Lahore.

Subject: **PRE- FLOOD ARRANGEMENTS FOR MONSOON SEASON-2020.**

Please refer to your office letter No. 786-2020/119/Tech dated 31.03.2020 on the subject cited above.

The requisite District Disaster Management Plan 2020 of Bahawalnagar District is enclosed as desired please.

  
**Addl. Deputy Commissioner (Rev)  
Bahawalnagar**

CC:

1. The Deputy Commissioner, Bahawalnagar.
2. The Additional Commissioner (Coord), Bahawalpur Division, Bahawalpur.
3. PS to Director General PDMA, 40-A Lawrence Road, Lahore.
4. District Disaster Management Coordinator (DDMC), Multan

# DISTRICT DISASTER MANAGEMENT PLAN 2020

Division: Bahawalpur

District: Bahawalnagar



Flood 2019



flood



Floods in 2019



Evacuation Flood 2019

Prepared by: District Emergency Officer, Rescue 1122,  
Bahawalnagar

Approved by: Deputy Commissioner, Bahawalnagar



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## Hill Torrent

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



Risk: High

## Flood

Estimated number of people at risk of Flood in 2020



Risk: Medium

## Earthquake

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



Risk: low

## Epidemic

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



Risk: Low

## EXECUTIVE SUMMARY

This Disaster Management Plan has been developed on the template provided by the PDMA Punjab. It is designed for comprehensive disaster management within the district. It focuses on minimizing the effects of the hazards on local communities by ensuring the coordinated effort in risk management within the community. The plan is designed to enhance the capacity of all agencies to plan and respond to emergency situations more effectively.

District Bahawalnagar situated in the south east region in the Punjab province of Pakistan. Its population according to the 2017 census is 2,982,000 people. Old name of Bahawalnagar was Rojanwali/Ubbha. It was named Bahawalnagar in 1904 after Bahawal Khan V, the ruler of the Bahawalpur state comprising the present districts of Bahawalpur, Bahawalnagar and Rahim Yar Khan. It is 192 miles south of Lahore and about 120 miles east of Bahawalpur. River Sutlej passes on the northern side at a distance of about 6 miles. With the introduction of canal system, it has become fertile area. The real achievement was Fordwah Canal, which brought almost the entire district under the command of irrigation system

### Major Hazards

- Floods
- Earthquake
- Building Collapse
- Fire Incidents
- Road Traffic Accidents
- Drought
- Epidemic

### Response Objectives are as follows:

- Established the institutional and legal system for disaster management
- Prepare Disaster Management Plans at various levels
- Conduct multi-hazard, vulnerability and risk assessment
- Establish multi-hazard early warning and evacuation systems
- Promotion of training, education and awareness in relation to disaster management.

## 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	2,981,919
2.	No. of Tehsils	5
3.	No. of UCs	135
4.	No. of Revenue Estates	1100
5.	Population Density (people per km <sup>2</sup> )	232.2/km <sup>2</sup>
6.	Family Size	6.7
7.	Pop Growth Rate/annual	2.4%
8.	PCI	--
9.	District GDP/Annual Income	--
10.	Poverty Rate	--
11.	Patient/Doctor Ratio	1:12322
12.	AMR	--
13.	IMR	61.7
14.	MMR	--
15.	Literacy Rate	31.1
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 (2019)	10497

### Population

Total	Male	Female	TransGender
2981919	1514866	1466876	177

Source/Note: Pakistan Bearu of Statistics.

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks& Morter)
307133	190232	116901

Area (in acres) 935891

Total Area of District in Km <sup>2</sup>	Area under cultivation (acre)	Cultivation in Settled Area (acre)	Cultivation in Baid Area (acre)
8778	1507608	1418044	89564

### Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
41%	46%	28%	59%	51%	49%	33%

Source/Note: DO Literacy Office.

## Government Schools

## Private Schools

		Schools	Enrollment			Schools	Enrollment
<b>Total/ Overall</b>		2133	378116	<b>Total/ Overall</b>		329	20473
<b>Boys</b>	<b>Primary</b>	793	84153	<b>Boys &amp; Girls</b>	<b>Primary</b>	18	2945
	<b>Middle</b>	147	37706		<b>Middle</b>	215	12678
	<b>High</b>	106	61326		<b>High</b>	96	4850
<b>Girls</b>	<b>Primary</b>	774	131751	<b>Co- Education</b>	<b>Primary</b>		
	<b>Middle</b>	217	12913		<b>Middle</b>		
	<b>High</b>	90	49317		<b>High</b>		
<b>Co- Education</b>	<b>Primary</b>	nill	nill	<b>Co- Education</b>	<b>Primary</b>		
	<b>Middle</b>				<b>Middle</b>		
	<b>High</b>				<b>High</b>		
<b>Special Education</b>		6	950	<b>Special Education</b>		0	0

## Higher/Technical/Professional Education (Public &amp; Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	14	1	11	0	6	32
No of Students	25752	2200	1150	0	884	29986

## Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	122	5	-	64	191
Annual OPDs	2280287	1835216	-	233600	4349103
No of beds	406	623	-	424	1453
Doctors Available	144	190	-	120	454
Paramedical staff	1247	239	-	248	1734
Ambulances available	0	23		0	23
Mobile Medical Units	01				01

**Livestock:** Small Animals (goats, sheep etc.): 841482 Big Animals (cows, buffalos, camel etc.) 562963

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

Agriculture	Livestock	Poultry	Fish Farming	Services (Public & Pvt)	Business	expatriate	Industrial Labor	Skilled Labor	Unskilled Daily Labor	General Labor
40%	10%	1.2%	0.43%	6%	15%	02%	10%	8%	10%	5%

## Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	2014	Flood	156113	12	
2	2013	Flood	3000	1	
3	2014	-	-	-	
4	2015	-	-	-	
5	2016	-	-	-	
6	2017	-	-	-	-
7	2018	-	-	-	
8	2019	Flood	157239	1	

## General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Pakpattan, Vehari, okara & Bahawalpur
Topographical Features	
Weather/Climate pattern	max. 45 and min 20. temperature, annual precipitation 28.5mm/ (11.1 inches), storms, heat waves, snow fall etc. Hot throughout the Year
Major Rivers	Name of river, passing through areas along with length in the district Satluj & Ghaghra Length satluj River 190 km Length Ghaghra River 2 km (dry condition)
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Nil
Motorway/Highway	Vulnerable points of motorway/highway Arif wala road/ Sulemanki road/ Fortabass road/ Bahawalpur road
Railways	Vulnerable points of Railway Bahawalnagar Railway Station( low risk of damage of railway station)
Geological features	e.g. fault line, mountainous areas etc. Nil

## Dams (including small dams)

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

## 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
BCD Flood Bund	8.64	Fortabbas	Fortabbas	Rd 6+ 000 to 8+ 000 ( Near Whaller Rest House)	92.215038/73.0575 95	
E.F Flood Bund	4.86	Fortabbas	Fortabbas	Rd 41+000 to 42+000 ( Near Chak No.242)	29.206088/73.0330 14	

## Breaching Section (N/A)

Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
0	0	0	0	0	0	0	

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Mandi Sadiq Gunj	132 KV	30.155347/73.7211747			
Minchanabad	132 KV	30.165233/73.572201			
Bahawalnagar I	132 KV	30.012284/73.267026			
Bahawalnagar II	132 KV				
Madarssa / Norsar	132 KV	29.893541/73.037806			

## Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Nil	Nil	Nil	Nil	Nil	Nil

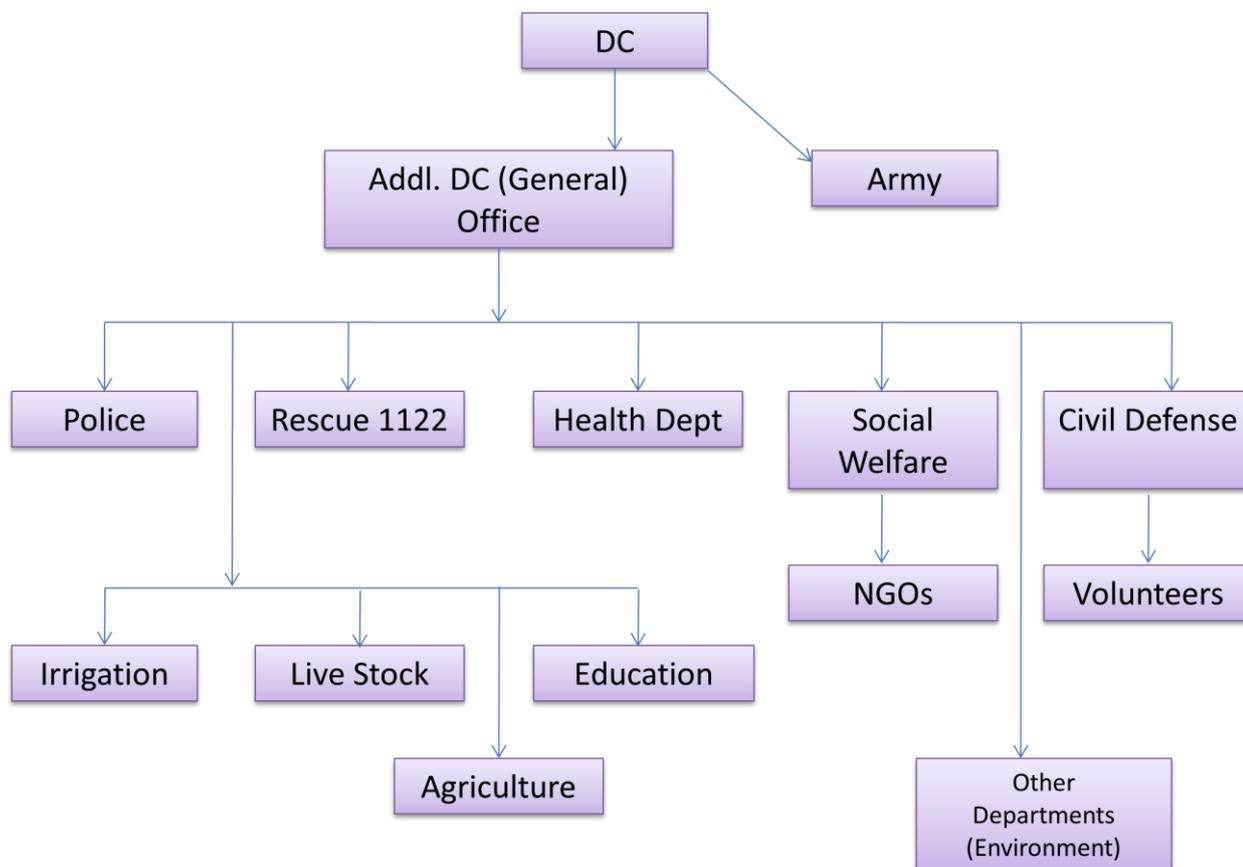
## Govt. storage facilities/warehouses in the district (N/A)

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
0	0	0	0	0	0



# COORDINATION MECHANISM

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



### **Powers and functions of District Disaster Management Authority under NDMA Act 2010:**

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

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

- 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 DCO/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

#### Municipal Corporation/District Council/Municipal Committees

- Municipal Corporation, District Council & Municipal Committees plays an important role of providing municipal services in the district including clean drinking water, sanitation facilities, maintenance of parks and removal of encroachment etc.
- Municipal Corporation, District Council & Municipal Committees will provide assistance to the District Government for setting up and management of relief camps/ operations.
- Municipal Corporation, District Council & Municipal Committees are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- Municipal Corporation, District Council & Municipal Committees are equipped with trucks, water bowsers, and tractors, dewatering sets, bulldozers, loaders and dump trucks. All of these equipment are utilized to restore proper sanitary facilities, ensure the delivery of clean water and remove debris or excess water.

- Municipal Corporation, District Council & Municipal Committees sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- Municipal Corporation, District Council & Municipal Committees employ de-watering sets to remove excess water. All Municipal Corporation, District Council & Municipal Committees are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The Municipal Corporation, District Council & Municipal Committees maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- Municipal Corporation, District Council & Municipal Committees should ensure supply of clean drinking in overhead reservoirs and ensure supply to the affected areas or relief camps through water bowsers. Clean drinking water is a major issue and requirement during any disaster.
- In case of any disaster that requires people to be relocated, the Municipal Corporation, District Council & Municipal Committees under the concerned Administrator i.e ADC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the, the local Municipal Corporation, District Council & Municipal Committees manpower can be effectively used for the distribution of food and essential commodities among evacuated people or any other relief activity such as provision of cash compensation.

### District Disaster Management Authority (DDMA)

- DDMA's are created under the NDMA 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 CPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, Municipal Corporation, District Council & Municipal Committees and the Revenue Department from the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his/her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned AC and the Municipal Corporation, District Council & Municipal Committees.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers. Immediate action will be taken in each sector / sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Lumbardar, 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:
  - Deputy Commissioner (Chairperson)**
  - Administrators of Local Govt.

- iii. District Police Officer
- 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. Chief Executive Officer (Health)
- viii. Chief Executive Officer (Education)
- ix. Additional Director Livestock
- x. Deputy Director Agriculture (Extension)
- xi. District Food Controller
- xii. SP/DSP Special Branch
- xiii. Executive Engineer, Irrigation
- xiv. Executive Engineer, Public Health
- xv. Executive Engineer, Highways
- xvi. Executive Engineer, Buildings
- xvii. District Emergency Officer, Rescue 1122/ **(Secretary)**
- xviii. Representative of Red Crescent
- xix. All Chief Officers MCs/Tehsil Councils/Town Committee
- xx. Federal Government Officers which the DDMA's decide to co-op as per powers delegated under section 20 & 22 of NDMA Act 2010.

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

#### **Role of Rescue 1122 in the district 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 Rescue 1122 should be equipped with heavy machinery heavy machinery by the District Administration to cut through heavy debris.

- Apart from that responsible deployment of fire fighters, cordoning of hazardous areas, provision of first aid and medical treatment, immediate search and rescue of victims and management of the pre-hospital emergency system.
- Rescue 1122 is well trained in setting up medical camps for provision of emergency medical treatment. These camps are setup by Rescue 1122's doctors and paramedic staff.

#### Pre-disaster Check list for DDMA

- Meeting of DDMA held
- Identification of vulnerable areas
- Identification of Safe places
- Preparation of contingency plan
- Bunds and encroachments visited
- Sites identified for relief camps Evacuation routes/plan
- Safe custody of Government records and essential equipment and their shifting to safer areas on receipt of flood warning
- Enlistment of department wise available resources
- Preparation of list of required relief goods/ items
- Involvement of Volunteers, NGOs and other CSOs
- Designation of Focal Person
- Preparation of District vulnerability map with varying degrees of floods
- Evacuation well in time from vulnerable areas
- Establishment of Camps – All services under one roof
- Flood warning and weather forecast: Loudspeakers announcements
- Establishment of control rooms
- Cancellation of all type of leaves of all employees Designation of Focal Persons
- Assignment of duties and responsibilities of all officers for flood emergency
- Preparation of Telephone Directories with the cell numbers of all the members of DDMA's and volunteers
- No leave during flood days; No official will leave station

#### Disaster Emergency Control Room (functions and responsibilities)

- Organization of Flood Control
- Deputy Commissioner
- Control Room
- Additional Deputy Commissioner (R)
- Sectors
- Sector 1                      Sector 2                      Sector 3                      Sector 4
- Minchinabad              Bahawalnagar              Chishtian                      Fortabbas
- AC office                      AC Office                      AC Office                      AC Office
- District Flood Control Room established at DC Office Bahawalnagar PH# (063-9240306) Fax # (063-9240203) Email Id: dcobwncr@gmail.com.
- Comprehensive district level stake holders meetings are conducted to enhance liaison between irrigation, Revenue, Rescue 1122, Health, Municipal Committees, Civil Defence, Agriculture, Livestock, Social Welfare, Education and Police etc.
- Mock search and rescue exercises to enable staff of the district and tehsil administrations have been planned. District Emergency Officer, Rescue 1122 Bahawalnagar will conduct the training programmes.
- A list of important telephone numbers/available machinery within district has been prepared.

**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 and Muncipal Commitees 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 centres with ambulances and special facilities for women and children.
- An emergency control room will be established in the office of Directorate General Health Services and a representative of this emergency control room would be designated to PDMA's control room.
- A list of essential medicines would be prepared by the Health department and it would ensure that medicines and other resources are present in sufficient stocks in hospitals in disaster hit areas.
- Medical colleges may be involved to create Emergency Response teams
- Health department would also coordinate with international organizations such as WHO and UNICEF.

- Extensive disease surveillances in the disaster hit areas should be carried out warnings if needed be issued through the Disease Early Warning System.
- Medical teams and paramedic staff should be mobilized and deployed for rapid assessment and quick response in the affected areas.
- A contingency plan will be prepared and submitted regarding preparedness for any disaster or calamity.
- The National Disaster Management Authority has designated WHO as the key organization that will fill the gaps in the supply of medicines, rapid diagnostic kits, and vaccinations etc.
- The department would employ female health workers in emergency areas specially, for spreading awareness regarding health risks in a disaster and for any vaccination or immunization programme that may be needed during any emergency.
- A Health and Nutrition Cluster for overall management and oversight of Health department's disaster response would be formed at the Directorate General Health office.
- In case the medicine stocks or even the infrastructure is damaged due to floods, the department would draw up a plan for early recovery of health infrastructure and service delivery.

#### **Role of Rescue 1122 Bahawalnagar**

The immediate evacuation of people from the disaster prone and vulnerable area.

- 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.

#### **Civil-Military Coordination Mechanism**

To meet the flood situation successfully, Army shall be deployed along banks of River Satluj upon formal requisition of by the DC on request of District Emergency Officer, Rescue 1122, Army Unit is likely to be deployed for relief operation in case of any emergency; Army will establish Control Center at Headquarters 57 Brigade, Westridge Bahawalnagar This Center will assist the Civilian Authorities in relief operations and restoration of services in the areas of emergency.

**Volunteer Network**

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

There are 100 volunteers registered with the Civil Defense. Civil Defence Officer (CDO) remains continuous in touch with the volunteer by means of their participation in different training programs conducted for their capacity buildings and in different events (National & International). In case of disaster already designated Team Leader is contacted first, who subsequently disseminate the same information to all team members for coordinated response.

## DISASTER RISK ANALYSIS

### 1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	2	2	4
Urban Flooding	1	1	1
Flash Floods	1	1	1
Hill Torrent			
Glacial Lake Outburst Flood (GLOF)			
Landslide			
Tornado			
Earthquake	1	1	1
Drought	0	0	0
Epidemic	2	2	4
Fire Incidents	2	2	4
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	4	2	8
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
- Smog
- Brickiln (Emissions)
- Industrial Effluents

## 3. Response & Operational Capacity

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

District Government has the following response capacities.

1. City District Government, Bahawalnagar.
2. Rescue 1122
3. Monitoring Control System (in control of Rescue 1122)
4. 6 Rain fall Gages (in control of PMD)
5. 10 Warning posts for blowing sirens (Irrigation Control Room)
6. Water level gauges (PMD)
7. Master Control Room (PMD)

## 4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
<b>Rescue Vehicle</b>	<b>1</b>	<b>1</b>	0	0
<b>Motor Boats</b>	13	<b>13</b>	0	0
<b>OBM's</b>	13	<b>13</b>	0	0
<b>Life Jackets</b>	102	<b>102</b>	0	0
<b>Life Rings</b>	50	<b>50</b>	0	0
<b>Life Bouys</b>	04	<b>04</b>	0	0
<b>Dry Suits</b>	3	<b>3</b>	0	0
<b>Ropes</b>	10	<b>10</b>	0	0
<b>Safety Harness</b>	12	<b>12</b>	0	0
<b>Hydraulic Cutter</b>	1	<b>1</b>	0	0
<b>Chipping Hammer</b>	1	<b>1</b>	0	0
<b>Rotatory Hammer Drill</b>	1	<b>1</b>	0	0
<b>Reciprocating Saw</b>	1	<b>1</b>	0	0
<b>Saw Cutter</b>	1	<b>1</b>	0	0
<b>Electrical Power Generator (15-KVA)</b>	1	<b>1</b>	0	0
<b>Portable Generator + Electric Equipments</b>	1	<b>1</b>	0	0

Night Operation Lights	4	4	0	0
Electric Winch	1	1	0	0
Shovels, Kahi, Hammers, Chisels	4 (Nos. each)	4 (Nos. each)	0	0
Rescue Tripod	1	1	0	0
Extension ladder (30 feet)	1	1	0	0
Basket Stretcher	1	1	0	0
Crow Bar, Bolt Cutter, Fire Man Axe, Seat Belt and Glass Cutter	1 (No. each)	1 (No. each)	0	0
SCUBA Cylinders	9	9	0	0
Tents	03 (Large) 06 (Small)	09	0	0
Rubber boats	02	02	0	0
Boat Carrier	01	01	0	0
Scuba Diving Sets	03	03	0	0
Tractor Messi With Trolley	3	3	0	
Water Bouser	1	1	0	
Tractor Shawl Messi 385 with trolley	1	1	0	
Russi Tractor With Trolley	1	1	0	
De-watering Sets	1	1	0	
Fire Bridgade	1	1	0	
Spray Machine	12	12	0	
Fog Machinge	2	2	0	
Face Mask	2	2	0	
sewerage Safety Suit	2	2	0	
Bloor Machine	2	2	0	
Gas Filling Machine	2	2	0	
Self Contain Breathing Opratus	2	2	0	
Generator	2	2	0	
Search Light	2	2	0	
Motor Cycle Rickshaw as loader 150cc	3	3	0	
Tractor Messey 1021,385 shawal	1	1	0	
Tractor Messay 240	3	3	0	
Tractor Fiat (480)	2	2	0	
Tractor Fiat Alghazi 640	1	1	0	
Tractor Messay 385 (4*4) front blade	1	1	0	
Tractor Messay 385 (4*4) shawal	1	1	0	
Arm Roll Hino	4	4	0	
Sucker Machine	1	1	0	
Jetting Machine	1	1	0	
Dengue Brigade suzuki	1	1	0	
Peter Engine Emergency	3	3	0	
Peter Engine Permanent intall	3	3	0	
Water Bouser	2	2	0	
Fog Machine dengue mounted	1	1	0	

Fog Machine Shoulde Mounted	8	8	0	
Winching Machine	2	2	0	
Pieter Rickshaw	1	1	0	
Loader Rickshaw 150cc	10	10	0	
Fire Bridgade	1	1	0	
Tractor Water Bouser	1	1	0	
Tractor Fiat With Trolley & Water Boser	1	1	0	
Tractor Messi with Trolley & Front Blade & Water Boser	1	1	0	
Tractor Russi with Trolley & Loader	1	1	0	
De-Watering Sets 04 Nos	4	4	0	
Sucker & Jetting Machine	1	1	0	
Sewer men Supporting Machine	1	1	0	
Sucker Machine	1	1	0	
Jetting Machine	1	1	0	
Tractor Massey Ferguson 385 with front loader	1	1	0	
Tractor Massey Ferguson 240	1	1	0	
(Electric Motor 20 HP)	1	1	0	
(Electric Motor 50 HP)	1	1	0	
(Electric Motor 40HP)	1	1	0	
Trolley	2	2	0	
De-Watering sets	4	4	0	
Water Tanks / Bouzers	1	1	0	
Spray Machine	10	10	0	
Fog Machine	3	3		
Tents	Nil	Nil	0	
Generator	2	2		
SCBA	2	2	0	
Air Filling Machine	2	2	0	
Search Light	2	2	0	
Extendable ladder	1	1	0	
Hose	8	8	0	
Yellow Cap	2	2	0	
Face Mask	1	1	0	
Torch	1	1	0	
Safety Harness	2	2	0	
Water Safety Suite	2	2	0	
Dewatring Set	7	7	0	
Chlorinator	nill	nill	Nill	
Fog Machine	3	3	0	
Tractors	9	9	0	
Trollies	5	5	0	
Sucker Machine	2	2	0	
Jetting Machine	1	1	0	
Generator	2	2	0	
Disposal Stations	2	2	0	
Spray Pumps	10	10	0	

## 5. Gaps and Constraints

- *Briefly outline the capacity gaps in the provision of rescue and response?*

*Ans: There is dire need for capacity building of Rescue 1122 staff in terms of training and equipment provision. The PDMA should take lead role in above mentioned activities.*

- *Describe major obstacles to providing humanitarian assistance (security, access constraints, administrative obstacles, logistics, etc.)?*

*Ans: Small inflatable Boats (10 Nos) and SCUBA diving sets may be provided on immediate basis. There is a communication of gap between departments regarding exchange of data during rescue operation of the disaster. It must be eradicated so that any ambiguity and duplication could not damage the data and important reports by the departments. Logistic means are not available in proper manner for the transportation of staff, boats and other rescue equipment to the diasaster areas. Insecurity of workers working during disaster. Additional demand of resources has already placed before the PDMA.*

## MITIGATION STRATEGY

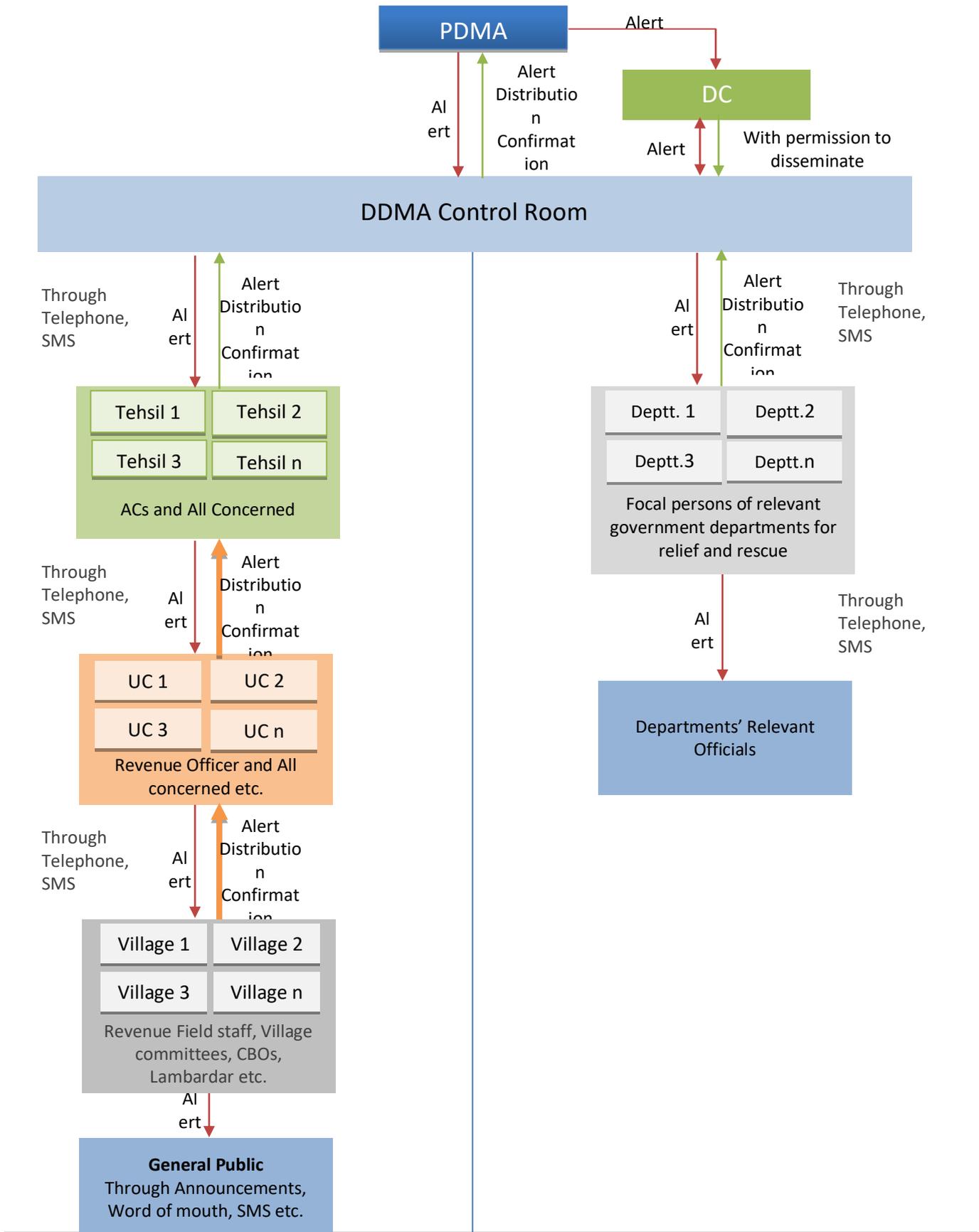
- ✓ Briefly describe what measure could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	<p><b>Pre-Flood</b></p> <p>To ensure veterinary coverage, prophylactic caccination to each animal/poultry bird and to adopt appropriate measure to check any eddemic or endemic outbreak during flood, including any congagious dilemma.</p> <p>Pre flood caccination campaign will start wef 15-05-2020 to 14-06-2020. The prompt reporting system will be ensured to convey higher authorities of District.</p> <p>30% quota of the medicines as per policy guidelines of L&amp;DD Department haqs been ear marked and required specification of different types of medicines.</p> <p>An awareness campaign regarding different measures to meet the flood situation i.e. River Satluj and its tributaries, details of low lying areas, Flood Forecasting and Warning System, Hazards Map, Detail of Flood Relief Centers/ Evacuation Centers, Evacuation Procedure and other preventive and precautionary measures etc. has been scheduled.</p> <p>A Flood evacuation drill/Mock exercise shall be conducted under the supervision of Deputy Commissioner Bahawalnagar with the collaboration of District Line Departments before monsoon season.</p> <p>Establishment of Medical Camp and Mobile Teams deployed in the effeced areas.</p> <p>Provision of free health services in the effected area round the clock during flood. Ensure the provision of safe drinking water and food to the effectees. Strengthening of embankment with stone pitching and repair of embankment where local people cut down the embankment for ways or any other purpose.</p>	<p>(District Administration)</p> <p>Rescue 1122</p> <p>MCs / TCs</p> <p>Civil Defence</p> <p>Health</p> <p>Education</p> <p>Police</p> <p>Army</p>
Urban Flooding	<p>Dewatering of rainy water</p> <p>Drainage of rainy water</p>	<p>MCs / Tehsil Councils/ Town Commitees</p>
Earthquake	<p>All responsible Deparment works during the Earthquake. Constructing earthquick resistance buildings</p>	<p>C &amp; W Department</p> <p>Local Govts.</p>

<p>Other Major Accidents (Building Collapse, fire, road traffic accidents, train accident, Stampede, plane crash)</p>	<p>Punjab Emergency Service (Rescue 1122) Bahawalnagar shall respond to all major incidents (Building Collapse, fire, road traffic accidents, train accident, Stampede, plane crash)</p>	<p>Rescue 1122 City Fire Brigade MC Civil Defence Health Education Police Army Other line Departments</p>
<p>Environmental Hazards (industrial accidents, severe pollution etc.)</p>	<p>Environment Department shall be the leading Agency in case of Environmental Hazards to combat. Awareness to staff of industries and local people residing around the industries. Implementation of laws regarding usage of toxic gases. Proper leagal action against the culprits.</p>	<p>Rescue 1122 Environment Department City Fire Brigade MWMC Civil Defence Health Education Police Army Other line Departments</p>

# EARLY WARNING

## Information Flow Diagram



## Alertness Levels

Following four levels alertness have been established:

**Level-D**  
(Disaster threat  
is perceptible)

DDMA shall conduct monthly meetings besides atleast 2 mock exercises as per DDMP, well in time, to make the concerned officers/officials understand their role and responsibility for better coordination and testing of rescue and relief equipment. DDMA shall also ensure the physical presence of concerned staff deputed and availability of equipment/resources for all designated vulnerable sites within given time frame during disaster. Vulnerable site's inspections and necessary works/action shall be carried out as mitigation measures.

**Level-C**  
**(Alert)**  
(Warning issued  
but likelihood of  
occurrence is  
less than 100%)

### Activities to be undertaken in level D

+

DDMA shall issue "alert" to all concerned for the vulnerable area. DDMA and LDMA (tehsil level) control rooms be made operational 24/7 and ensure availability of all required (available and additional) resources for on call mobilization and monitor the situation 6 hourly. Only DCO and DPO shall grant leave according to the situation.

**Level-B**  
**(High Alert)**  
(Disaster threat  
is imminent)

### Activities to be undertaken in level C

+

DDMA shall issue EW to all stakeholders and "High Alert" for the district to ensure that all additional HR and material resources including volunteers has reported to their assigned duties, and all resources for evacuation and disaster management have been mobilized as per DDMP. All emergency (health, fire, rescue 1122, TMA etc) facilities shall work 24/7 with full staff strength. DDMA shall monitor the situation on hourly basis.

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

### Activities to be undertaken in level B

+

DDMA shall respond to the emergency immediately and shall carry out rescue and relief operation as defined in DDMP and shall continuously monitor the situation. Resources of adjoining districts shall be mobilized and Army may be called keeping in view the magnitude of the disaster.

## Early Warning

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

*Ans: At District Control Room 063-9240306*

*Who is the focal person at district level?*

*Ans: Mr. Muhammad Asad Incharge Control Room (03007921744) Office # (063-9240206)*

Functions of District/Tehsil Emergency Control Rooms in early warning to chanelize all resources to mitigate flood emergency at any level?

Ans: Early Warning Information shall be disaminated through coordination between the Control Rooms.

How the early warning will be communicated to relevant departments for different disasters?

Ans: Through close coordination the information will be shared amongst allied departments. District Control Room (063-9240306) ,Tehsils Control Room and Rescue Control Room (063-9240174)

What actions each relevant department should take after receiving the early warning?

Ans: Evacuation by Rescue Department, camps established by revenue department, Health facilities provided by Health department e.g medicines, vaccines, etc. Fooder and vaccination for enimal will be responsibility of live stock department.

How the early warning will be communicated to the relevant population?

Ans: Through Patwaris, Numberdars, announcement through speakers, SMS, Announcements, Media etc.

### **Flood Forecasting and Early Warning System**

Flood Forecasting and Early Warning System should be announced by Irrgiation Department, Patwaris and through announcement in loud speakers of masjid. District control Room which is controlled by Focal person flood District Diaster Management Authority Bahawalnagar issues forecast information to Flood related to all relevant department. Rescue 1122 is looking after Flood control Room and that disseminate area on alerts to residents living in vulnerable areas.

District Emergency Control Room disseminates immunity flood information to residents of low lying areas by blowing risers which are installed along River Chanab. District Control Room also plays role coordination & Communication along all stakeholders.

After receiving information of pre alert through District Flood control Room, all the relevant stakeholders are part on high alert and their team start deployment in highly vulnerable low lying areas.

### **DISASTER PREVENTION CONTROL CENTRE (DPCC)**

A Central Flood Control Centre has been established at DC Office building, under the command of Deputy Commissioner & with the assistance of District Emergency Officer, Rescue 1122. This Control Room shall be the source of dissemination of information to the concerned departments and will also act as Operation Centre for coordinating all response activities. All the concerned departments / emergency service

## RESCUE STRATEGY

- What actions will be taken as an immediate response to the situation? E.g. Evacuation, medical assistance
- Who does what and when? Responsible departments/agencies
- How and when Pakistan Army will be requested to support the rescue activities
- Camp sites identified? List at Annex I.
  
- All relevant rescue relief agencies such as Rescue 1122, Police, Civil Defense, Environment, Irrigation and other concerned departments will be mobilized and engaged to do the rescue and relief operation in case of any disaster.
- All agencies will do their pre-defined jobs according to the plan provided by the DDMA Bahawalnagar.
- If a disaster requires more manpower and other rescue support, the Deputy Commissioner will request to the local authorities of Pakistan Army.
- Camp sites have been identified by the concerned Assistant Commissioner in consultation with the stakeholders for the flood season 2020.
  
- Flood control and mitigation measures as described in this plan shall be put into effect on receipt of Pre-Alert Warning Phase. The entire administrative set up i.e. Machinery, Equipment, and staff of the District Administration shall immediately be mobilized along the banks of River Satluj (Minchinabad, Bahawalnagar & Chishtian).

## 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*

Damages and loss data due to flash flooding and river flooding shall be collected from concerned Assistant Commissioners, and communicated to Additional Deputy Commissioner (R), Bahawal Nagar, which is then forwarded to Deputy Commissioner, Bahawalnagar for onward of submission to Board of Revenue Punjab.

The Priority needs of affected people flood and earthquake (food, shelter, health etc.) is determined by taking recommendations from concerned stakeholders like Health Department, Education Department, Rescue 1122, Civil Defence, Building Department and Revenue Department of Bahawalnagar.

The affected population due to flood or earthquake shall be shifted to the designated relief camps by Rescue 1122, Civil Defense and Volunteers.

Food and Health assistance will be provided by the Revenue Department and Health Department. Similarly the need of rehabilitation of affected victims is assessed and evaluated by these.

PDMA has already issued the standardization of different packages/kits for food and tentage needs of affected victims. Whole of the activity regarding humanitarian assistance and monitoring is supervised by Additional District Collector in consultation with all relevant stakeholders in order to avoid duplication of resources and identification of gaps.

All the affected victims of are shifted to the already designated relief camps in school. No separate camps are established as the flood emergency in Bahawalnagar is of flash flood nature.

### Relief Management - Food and Non Food Items:

An ideal distribution system is safe, accessible and transparent to the intended beneficiaries. Distribution must take into account the recipient's physical capabilities. Food is the fore most relief item that is requested by the worst affected communities immediately. In the first few days after the disaster, the Government would provide ready to eat food items. Subsequently, food disbursement would shift to provision of dry ration.

Special attention and priority should be given to the persons with disability, elderly persons heading household, women and adolescents heading household. Presence of child protection/social protection actors at distribution points would be ensured as this can serve multiple purposes including identification of separated unaccompanied children.

Child headed households and separated/unaccompanied children would be given food distribution cards in their own name in a manner that does not cause further separations.

Relief management ensures the sustenance of large numbers of evacuees that are not able to carry the items of everyday use with them. The Government can provide respite by providing certain food and non-food items such as cloths, blankets, cooking utensils, hygiene kits, buckets, plastic sheeting, sleeping mats, water jerry cans, washing powder etc. The main purpose of the relief management is to provide life sustaining commodities to the affected communities in a fair and organized system.

## Food items

An initial assessment would be undertaken to identify the number and demographics of the affected population to estimate the quantity and type of food required. This assessment would also be done by food available in local markets in the vicinity of the affected regions.

The nutritional needs of pregnant women, lactating mothers and malnourished children would be catered to on the highest priority. The food package would be enough to provide 2100 K calories/person/day. Food provided to the communities would be of good quality.

Beneficiaries would be informed in advance about the distribution points, date, time and procedure. All measures would be adopted to counter the unethical Collection of relief packages by outsiders that portray themselves as victims of a disaster. Special attention would be paid to persons with disabilities, elderly, women and stranded children.

Food distribution would be coordinated among all organizations to avoid any duplication or under serving the distribution points would be decided in consultation with local communities keeping in mind the convenience of recipients and the ease with which supplies can be transported to the point. The distribution points would be accessible to women, elderly persons, person with disabilities and children.

A complaint cell would be established for every ten distribution points allowing the beneficiaries to redress their grievances about the quality, quantity, and distribution and targeting procedures. The selection and registration of affecters, distribution methodology, selection of distribution points, and monitoring of the distribution would be transparent, equitable and mindful of local traditions.

## Non-Food Items:

Non-Food Items are provided to the displaced personnel to help them establish themselves in a new environment that they are forced into. Plates, buckets, jerry cans, and water storage vessels can allow the affectees to store and prepare their food for gradual consumption. The immediate provision of clothing and bedding gives a feeling of comfort, dignity and safety. In the same manner as other relief goods, preference must be given to women, children, elderly and the disabled.

## Shelter:

Natural or man-made disasters often displace large numbers of people, forcing them to inhabit temporary shelters and camps. Temporary shelter is provided by the Government and humanitarian organizations as part of the emergency response. The Government utilizes public buildings such as schools or portable tents to provide immediate cover to the affected communities. Public facilities such as schools, barracks, warehouses, playgrounds, parks, have historically been utilized to provide shelter to the displaced affectees. Tents are usually provided in case the number of displaced person exceeds the number that can be temporarily accommodated in public facilities. Only a set number of people would be allowed to inhabit a public building. This set number would be decided keeping in mind the available space, availability of facilities such as electricity, water, and sanitation, and the time it takes to evacuate all the inhabitants. Temporary shelters would have separate toilets and bathing facilities for men and women and it would maintain healthy standards by conducting anti mosquito sprays etc. The elderly and disabled must be provided with the most comfortable and accessible areas of the public facilities designated as temporary shelters. The temporary shelters should never be overcrowded as it can create unhygienic conditions.

Bahawalnagar District has sufficient capacity in terms of provision of food, shelter, medicine to cater maximum number of victims for more than even three months' time

As for as humanitarian strategy regarding protection, gender, age, environment and other cross cutting issues or concerned , the administration of Bahawalnagar has taken diligent steps which are as follows:

- a. Issuance of early warning by Rescue 1122, Bahawalnagar.
- b. Rescue and Shifting of Victims to hospitals and Relief Camps by Rescue 1122 and Civil Defense Volunteers.
- c. Establishment of relief camps in predestinated schools and relief camps established by District Administration.
- d. Humanitarian assistance of the victims by involving Health, Education and Revenue Department.
- e. Foolproof coordination and communication among all stakeholders through pre-alert warning issued by Rescue 1122.

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

Sr.	Flood Level	TEHSIL	MAUZA	Popluation	Cropped Area
1.	LOW	BAHAWALNAGAR	PIR SIKANDAR OTAR	635	711
2.	LOW	BAHAWALNAGAR	MOMEKA	1912	1812
3.	LOW	BAHAWALNAGAR	GOUS PUR	588	423
4.	LOW	BAHAWALNAGAR	KAKU BODLA	621	1184
5.	LOW	BAHAWALNAGAR	MARI QADIR BUX OTAR	2557	671
6.	LOW	BAHAWALNAGAR	MEHMUD LANGAH	158	116
7.	LOW	BAHAWALNAGAR	MAMONKA HITHAR	984	2473
8.	LOW	BAHAWALNAGAR	BHADAR-KA-OTAR	198	160
9.	LOW	BAHAWALNAGAR	QASIMKA OTAR	9616	3933
10.	LOW	BAHAWALNAGAR	MOHARI HATAR	135	289
11.	LOW	BAHAWALNAGAR	ABRARAH HITHAR	217	191
12.	LOW	BAHAWALNAGAR	CHUTHA BHUK HITHAR	1648	1029
13.	LOW	BAHAWALNAGAR	KOT LANGA	1648	1646
14.	LOW	BAHAWALNAGAR	MARI MIAN SAHAB HATAR	1165	670
15.	LOW	BAHAWALNAGAR	BILLU KA HITHAR	215	521
16.	LOW	BAHAWALNAGAR	JODHEKA	4392	5887
17.	LOW	BAHAWALNAGAR	RAJEKA	1499	1206
18.	LOW	BAHAWALNAGAR	FATWERA HATAR	2133	1159
19.	LOW	BAHAWALNAGAR	BALARA SADDR UD DIN	992	1460
20.	LOW	BAHAWALNAGAR	BILARA NABI BUX	428	688
21.	LOW	BAHAWALNAGAR	AKUKA OTAR	1672	605
22.	LOW	BAHAWALNAGAR	BONGA RAMUKA	209	346
23.	LOW	BAHAWALNAGAR	BHORIKA	378	467
24.	LOW	BAHAWALNAGAR	QASIMKA	101	625
25.	LOW	BAHAWALNAGAR	SANATTEKA	1157	2903
26.	LOW	BAHAWALNAGAR	BILARA QASIM WALA	454	797
27.	LOW	BAHAWALNAGAR	CHAWEKA HATAR	1164	3418
28.	LOW	BAHAWALNAGAR	HASANKA	0	200
29.	LOW	BAHAWALNAGAR	GHANI PUR	27	133
30.	LOW	BAHAWALNAGAR	AKUKA HATAR	4403	5418
31.	LOW	BAHAWALNAGAR	PIR SIKANDAR HATAR	199	359
32.	LOW	BAHAWALNAGAR	TUGHERA SHARIF	1226	759
33.	LOW	BAHAWALNAGAR	MARI QADIRBUX HITHAR	39	154
34.	LOW	BAHAWALNAGAR	MUSLA	1190	896
35.	LOW	BAHAWALNAGAR	BEGKA NOOR PUR	1018	1209
36.	Low	BAHAWALNAGAR		44978	
37.	Medium	BAHAWALNAGAR	BULE SHAH HITHAR	257	241
38.	Medium	BAHAWALNAGAR	TOBA QALANDAR SHAH	6931	4326
39.	Medium	BAHAWALNAGAR	JHULAN CHISHTIAN	683	693
40.	Medium	BAHAWALNAGAR	QAMAR UD DIN BODLA	1937	1109
41.	Medium	BAHAWALNAGAR	MOSA BHOTA	3761	915
42.	Medium	BAHAWALNAGAR	CHAWEKA OTAR	8092	2002
43.	Medium	BAHAWALNAGAR	BAHADURKA SHARKI	1382	1156

44.	Medium	BAHAWALNAGAR	KALIA SHAH	3180	1790
45.	Medium	BAHAWALNAGAR	GARNAJ	4601	1716
46.	Medium	BAHAWALNAGAR	MAMONKA OTAR	1275	420
47.	Medium	BAHAWALNAGAR	BILLU KA HITHAR	215	160
48.	Medium	BAHAWALNAGAR	MUQIM SHAH	382	538
49.	Medium	BAHAWALNAGAR	WARA QAMAR UD DIN	415	1714
50.	Medium	BAHAWALNAGAR	BHADAR-KA-HITHAR	437	279
51.	Medium	BAHAWALNAGAR	WARA PIRAN	822	473
52.	Medium	BAHAWALNAGAR	TUKRA AKUKA	224	1521
53.	Medium	BAHAWALNAGAR	MARI MIAN SAHAB OTAR	9555	1743
54.	Medium	BAHAWALNAGAR	KOT MAKHDOOM	4075	2755
55.	Medium	BAHAWALNAGAR	GAMAN DONGI	417	142
56.	Medium	BAHAWALNAGAR	KHAI BODLA	2760	2009
57.	Medium	BAHAWALNAGAR	MAKHNA RAJEKA	1715	729
58.	Medium	BAHAWALNAGAR	RAMZAN LANGAH	1125	740
59.	Medium	BAHAWALNAGAR	BUNGA IHSAN BIBI	1230	279
60.	Medium	BAHAWALNAGAR		55471	
61.	High	BAHAWALNAGAR	ALI GOHAR 326	1519	2396
62.	High	BAHAWALNAGAR	BHANGRAN	1003	277
63.	High	BAHAWALNAGAR	SHADI WALA	1704	993
64.	High	BAHAWALNAGAR	QAMARUDIN HANS	7457	2742
65.	High	BAHAWALNAGAR	ARAZI QAIMKA	2751	1932
66.	High	BAHAWALNAGAR	ALI SHER	2207	1243
67.	High	BAHAWALNAGAR	KHEM GARH	4041	2334
68.	High	BAHAWALNAGAR	MOHARI OTAR	1275	745
69.	High	BAHAWALNAGAR	MOMIN ABAD	3002	2463
70.	High	BAHAWALNAGAR	KHILLUWALA	817	729
71.	High	BAHAWALNAGAR	CHUTTA BHOK OTAR	1819	957
72.	High	BAHAWALNAGAR	JHULLAN ARAIAN	6025	1907
73.	High	BAHAWALNAGAR	ROJHANWALI	1150	1161
74.	High	BAHAWALNAGAR	PIR SHAH	637	429
75.	High	BAHAWALNAGAR	MATTRAN	2670	1591
76.	High	BAHAWALNAGAR	ABRERA OTAR	378	478
77.	High	BAHAWALNAGAR	WILAYAT PUR	1191	478
78.	High	BAHAWALNAGAR	MAHMAN FATWERA	2207	773
79.	High	BAHAWALNAGAR	HALKA ROHALU	135	
80.	High	BAHAWALNAGAR		41988	
81.	LOW	CHISTIAN	MIRU BALUCH	7210	300
82.	LOW	CHISTIAN	KORA BHUTNA	2488	956
83.	LOW	CHISTIAN	RAJU SHAH	676	870
84.	LOW	CHISTIAN	SHELI GHARBI	7912	2364
85.	LOW	CHISTIAN	MOHD AZIM	10439	4862
86.	LOW	CHISTIAN	DOULA AKUKA	3317	2341
87.	LOW	CHISTIAN	PATIAN	0	0
88.	LOW	CHISTIAN	BUNGA JHEDU	4429	2654
89.	LOW	CHISTIAN	JHANDWAN	5539	2220
90.	LOW	CHISTIAN	MAREED SHAH	1369	737
91.	LOW	CHISTIAN	METHA JHEDUE	3047	1650
92.	LOW	CHISTIAN	MIRAN SHAH	669	221
93.	LOW	CHISTIAN	CHANDRANI SHARQI	296	98

94.	LOW	CHISTIAN	BOONGA BALOCHAN	2318	50
95.	LOW	CHISTIAN	BHUK	297	37
96.	LOW	CHISTIAN	TEGGA BALUCHAN	1053	270
97.	LOW	CHISTIAN	SHAMUN	125	11
98.	LOW	CHISTIAN	KAMIRA	2432	571
99.	LOW	CHISTIAN	AWAN	67	32
100.	LOW	CHISTIAN	KARMANI	446	144
101.	LOW	CHISTIAN	KALIA SHAH	400	249
102.	LOW	CHISTIAN	BALAWAL	37	4
103.	LOW	CHISTIAN		54566	20641
104.	Medium	CHISTIAN	DAULA BAHDIRA	3187	1119
105.	Medium	CHISTIAN	14/FORD	2498	1254
106.	Medium	CHISTIAN	10/FORD	5412	885
107.	Medium	CHISTIAN	LUNDA BADERA	3055	763
108.	Medium	CHISTIAN	JEWAN LAKHWERA	1087	174
109.	Medium	CHISTIAN	KOT BABAL	1396	521
110.	Medium	CHISTIAN	FATANI	9514	2029
111.	Medium	CHISTIAN	SHADAM SHAH	778	296
112.	Medium	CHISTIAN	TALUKA	1478	147
113.	Medium	CHISTIAN	REMANI	1176	240
114.	Medium	CHISTIAN	KOT RASHID	328	15
115.	Medium	CHISTIAN	THENGI BLOCHAN	974	267
116.	Medium	CHISTIAN	MEHTAB PUR	376	92
117.	Medium	CHISTIAN	SONE KHAN	210	5
118.	Medium	CHISTIAN	BHUKERA	0	56
119.	Medium	CHISTIAN	SAYED MOHD	0	62
120.	Medium	CHISTIAN	MOHD SHAH	487	92
121.	Medium	CHISTIAN	HISOM	2551	211
122.	Medium	CHISTIAN	ABLUKA	698	93
123.	Medium	CHISTIAN	JAFAR SHAH	696	7
124.	Medium	CHISTIAN	EASON LAKHWARI	79	10
125.	Medium	CHISTIAN	MAHARAN SHARIF-I	10067	4425
126.	Medium	CHISTIAN		46047	12763
127.	High	CHISTIAN	11/FORD	4364	1121
128.	High	CHISTIAN	9/FORD	10100	839
129.	High	CHISTIAN	SHARIF DEH	2249	994
130.	High	CHISTIAN	CHAK CHOOPA MAL	6945	2264
131.	High	CHISTIAN	MEHBOOB SHAH	289	45
132.	High	CHISTIAN	MANGHERAN SHARIF	2419	133
133.	High	CHISTIAN	REHMAN SHAH	283	271
134.	High	CHISTIAN		40847	9369
135.	LOW	MINCHINABAD	KHAIR SHAH OTAR	2472	
136.	LOW	MINCHINABAD	BACHIYAN WALI	5324	
137.	LOW	MINCHINABAD	BHINDI LALEKA	1404	
138.	LOW	MINCHINABAD	CHAWEKA HATAR	1164	
139.	LOW	MINCHINABAD	LALEKA	5940	
140.	LOW	MINCHINABAD	PAHL WANKA	3260	
141.	LOW	MINCHINABAD	BULANDA QAIMKA	1639	
142.	LOW	MINCHINABAD	DONA QUTTAB SARHU	1505	
143.	LOW	MINCHINABAD	DONA JEWAN SARHU	1400	

144.	LOW	MINCHINABAD	AMAR SINGH	3623	
145.	LOW	MINCHINABAD	BAREKA HITHAR	1479	
146.	LOW	MINCHINABAD	BHONDI	1097	
147.	LOW	MINCHINABAD	DONA DALIEKA	63	
148.	LOW	MINCHINABAD	CHAK ZAMAN	591	
149.	LOW	MINCHINABAD	WAZIR GODHOKA	849	
150.	LOW	MINCHINABAD	JAGGA BALOCH	569	
151.	LOW	MINCHINABAD	NEHALKA	4002	
152.	LOW	MINCHINABAD	DADHU AHLUKA	1976	
153.	LOW	MINCHINABAD	SHAMU JASUKA	563	
154.	LOW	MINCHINABAD	NABI BUX MIANA	615	
155.	LOW	MINCHINABAD	JHAN ABAD	168	
156.	LOW	MINCHINABAD	DILAWAR JISOKA	563	
157.	LOW	MINCHINABAD	CHAK JAMMAN REHMOONKA	1420	
158.	LOW	MINCHINABAD	BHAI KHAN KHRAL	211	
159.	LOW	MINCHINABAD	MAMAND BALOCH	149	
160.	LOW	MINCHINABAD	PATHAN	469	
161.	LOW	MINCHINABAD	SHAH MOHD REHMOONKA	685	
162.	LOW	MINCHINABAD	MAKKARA	334	
163.	LOW	MINCHINABAD	DILAWAR SHAIKHOKA	0	
164.	LOW	MINCHINABAD	GADHOKA HITHAR	325	
165.	LOW	MINCHINABAD	TARA CHINNA	399	
166.	LOW	MINCHINABAD	AZAM CHINNA	591	
167.	LOW	MINCHINABAD	CHHE PATAYA	1447	
168.	LOW	MINCHINABAD	BILARA MAMUND BALUCH	1045	
169.	LOW	MINCHINABAD	RATTEKA HITHAR	1320	
170.	LOW	MINCHINABAD	AHMAD YAR CHISHTI	172	
171.	LOW	MINCHINABAD	CHAK BANDI	122	
172.	LOW	MINCHINABAD	MALI SHGIKHUKA	460	
173.	LOW	MINCHINABAD	RATTEKA OTAR	2738	
174.	LOW	MINCHINABAD	BUNGA AKBAR MARI NIHAL	5243	
175.	LOW	MINCHINABAD	ALAM KHAN	299	
176.	LOW	MINCHINABAD		57695	
177.	Medium	MINCHINABAD	KUND KALAY KHAN	852	
178.	Medium	MINCHINABAD	GAJJAN DHUDI	1423	
179.	Medium	MINCHINABAD	WAZIRKA	2722	
180.	Medium	MINCHINABAD	BONGA MACHI	3270	
181.	Medium	MINCHINABAD	MURAD WALA	1431	
182.	Medium	MINCHINABAD	MATHELA QAIM KA	959	
183.	Medium	MINCHINABAD	BHAMBIA JAGGA	480	
184.	Medium	MINCHINABAD	BARIKA OTAR	3818	
185.	Medium	MINCHINABAD	HAZARA PANDIT JIWAN RAM	799	
186.	Medium	MINCHINABAD	HASIL SARAHU	3459	
187.	Medium	MINCHINABAD	HUSSAIN SHAH	1374	
188.	Medium	MINCHINABAD	QALANDAR PUR	1730	
189.	Medium	MINCHINABAD	NASIR PUR	974	
190.	Medium	MINCHINABAD	NAINWALI	21	
191.	Medium	MINCHINABAD	BAKA AHMONKA	693	
192.	Medium	MINCHINABAD	HABIBKA	2514	
193.	Medium	MINCHINABAD	NEZA JODHEKA	1338	

194.	Medium	MINCHINABAD	KHAIR SHAH HATAR	2664	
195.	Medium	MINCHINABAD	BUNGA ALAM SHAH	410	
196.	Medium	MINCHINABAD	QADIRPUR	1929	
197.	Medium	MINCHINABAD	MUNSHI HATAR	1757	
198.	Medium	MINCHINABAD	BONGA BALOCHAN	1688	
199.	Medium	MINCHINABAD	MEHAR KHURD	561	
200.	Medium	MINCHINABAD	HASSAN WALA	0	
201.	Medium	MINCHINABAD	BEHRAMKA	3697	
202.	Medium	MINCHINABAD	SHARAF SHAH	816	
203.	Medium	MINCHINABAD	PIR KHALIS	1560	
204.	Medium	MINCHINABAD	KALUKA HITAR	200	
205.	Medium	MINCHINABAD	SHAH KARAM	1444	
206.	Medium	MINCHINABAD	MUHARRAM CHHINA	2877	
207.	Medium	MINCHINABAD	GADHUKA OTAR	4684	
208.	Medium	MINCHINABAD	TAWAKAL	850	
209.	Medium	MINCHINABAD	LAL WALA	650	
210.	Medium	MINCHINABAD	RASUL PUR	1069	
211.	Medium	MINCHINABAD	TARA JODHE KA	437	
212.	Medium	MINCHINABAD	KHALIS KHURD	1750	
213.	Medium	MINCHINABAD	REHMUNKA	1277	
214.	Medium	MINCHINABAD	BONGA TEJEKH	986	
215.	Medium	MINCHINABAD	RATAKA	4522	
216.	Medium	MINCHINABAD		63685	
217.	High	MINCHINABAD	MANDH WALA	862	
218.	High	MINCHINABAD	ADLANA DHUDI	3026	
219.	High	MINCHINABAD	CHAK AMIR	3270	
220.	High	MINCHINABAD	KHAZAN SINGH DHUDHI	2123	
221.	High	MINCHINABAD	SIKANDAR BALOCHAN	2097	
222.	High	MINCHINABAD	AMROKA	4429	
223.	High	MINCHINABAD	SAMOON WALI	1117	
224.	High	MINCHINABAD	RORI HASIL SARHU	1059	
225.	High	MINCHINABAD	NIHAL WAZIR KA	502	
226.	High	MINCHINABAD	NAUSHEHRA JUNGLE RAKH	1257	
227.	High	MINCHINABAD	KHOLA SANAM WALA	1728	
228.	High	MINCHINABAD	GIRABAD	1936	
229.	High	MINCHINABAD	KHOLA SAM	1863	
230.	High	MINCHINABAD	DOGAR WALA NO. 29	42	
231.	High	MINCHINABAD	BONGA JEWAN	0	
232.	High	MINCHINABAD	LUDAR KAHAN SINGH	0	
233.	High	MINCHINABAD	DAHAN SINGH	0	
234.	High	MINCHINABAD	CHAKOKA	3278	
235.	High	MINCHINABAD	BAHAWALGARH	2068	
236.	High	MINCHINABAD	SHEHBAZ PUR	4477	
237.	High	MINCHINABAD	FIDAI SHAH	2590	
238.	High	MINCHINABAD	SALOK PUR	1539	
239.	High	MINCHINABAD	KALAR WALA	276	
240.	High	MINCHINABAD	ARAIAN	477	
241.	High	MINCHINABAD	RORIWALI	1285	
242.	High	MINCHINABAD	NASIR KALUKA	737	
243.	High	MINCHINABAD	CHAK AHMED YAR	477	

244.	High	MINCHINABAD	PARBHATIWALA	1420	
245.	High	MINCHINABAD	BABLE WALA	1555	
246.	High	MINCHINABAD	DARBARI WALA	1887	
247.	High	MINCHINABAD	CHAK SHAHABUD DIN	133	
248.	High	MINCHINABAD	AHMED GADHUKA	1181	
249.	High	MINCHINABAD	CHAK SARWAR DIN	772	
250.	High	MINCHINABAD	MALEY SHAH	913	
251.	High	MINCHINABAD	KIDARPURAH	3591	
252.	High	MINCHINABAD	KHDA BAX SAKHI TALAB	2181	
253.	High	MINCHINABAD	HAIDER DADI	885	
254.	High	MINCHINABAD	DABWALI SHARKI	732	
255.	Very High	CHISTIAN	ABDUL REHMAN	203	10
256.	Very High	CHISTIAN	ASHIQ MOHD	1029	11
257.	Very High	CHISTIAN	JAMAN SHAH	496	13
258.	Very High	CHISTIAN	RATH	487	82
259.	Very High	CHISTIAN	GUL SHAH	0	10
260.	Very High	CHISTIAN	ILYAS	640	94
261.	Very High	CHISTIAN	NOORA ARAIN	692	56
262.	Very High	CHISTIAN	MUQIM SHAH	382	5
263.	Very High	CHISTIAN	MAHARAN SHARIF-II	10269	3421
264.	Very High	BAHAWALNAGAR	CHAK SADIQ NAGAR		
265.	Very High	BAHAWALNAGAR	MADARSA		
266.	Very High	BAHAWALNAGAR	TAKHT MEHAL HATAR		
267.	Very High	BAHAWALNAGAR	PHOGANWALA		
268.	Very High	BAHAWALNAGAR	HUSSAIN ABAD HATAR		
269.	Very High	BAHAWALNAGAR	ALI GOHAR 325		
270.	Very High	BAHAWALNAGAR	NOOR MOHD BHANGRAN		
271.	Very High	BAHAWALNAGAR	NADIR SHAH		
272.	Very High	BAHAWALNAGAR	RAB NAWAZ PURA		
273.	Very High	BAHAWALNAGAR	SHERA CHITRA		
274.	Very	BAHAWALNAGAR	KOTHYIAN WALA		

	High				
275.	Very High	BAHAWALNAGAR	MUHAMMAD PURA		
276.	Very High	BAHAWALNAGAR	ANOKH SINGH		
277.	Very High	MINCHINABAD	DOLAT PUR		
278.	Very High	MINCHINABAD	KABUTARI		
279.	Very High	MINCHINABAD	CHABIANA		
280.	Very High	MINCHINABAD	KUP QURASHI		
281.	Very High	MINCHINABAD	MAUSAM WALA		
282.	Very High	MINCHINABAD	ISMAILPUR BALUCHAN		
283.	Very High	MINCHINABAD	MUNSHI OTAR		
284.	Very High	MINCHINABAD	DIYAL SINGH		
285.	Very High	MINCHINABAD	CHAK DARYA DITTA MAL		
286.	Very High	MINCHINABAD	CHAPAN BADRI DAS		
287.	Very High	MINCHINABAD	SUKHPUR		
288.	Very High	MINCHINABAD	KALEWALI		
289.	Very High	MINCHINABAD	KHOLA DHAKKOKA		
290.	Very High	MINCHINABAD	KHERA MOD ALI		
291.	Very High	MINCHINABAD	KHOLA MIRZEDA		
292.	Very High	MINCHINABAD	CHAK AHMED YAR		
293.	Very High	MINCHINABAD	MEHMUD PUR MAHWAN		
294.	Very High	MINCHINABAD	ISMAILPUR RATTEKA		
295.	Very High	MINCHINABAD	AHMED PUR MECLEOD GUNJ		
296.	Very High	MINCHINABAD	BEHRAMPUR		
297.	Very High	MINCHINABAD	SHARF PUR		
298.	Very High	MINCHINABAD	RAMAN		
299.	Very High	MINCHINABAD	NANAK SAR		

<b>300.</b>	Very High	MINCHINABAD	NAWAB WALA		
<b>301.</b>	Very High	MINCHINABAD	FATEH GARH		
<b>302.</b>	Very High	MINCHINABAD	ANAND PUR		
<b>303.</b>	Very High	MINCHINABAD	DOGAR WALA No. 26		
<b>304.</b>	Very High	MINCHINABAD	DAHAB NAHAL WALA		
<b>305.</b>	Very High	MINCHINABAD	JHARI WALA		
<b>306.</b>	Very High	MINCHINABAD	DHAB GOMAN WALI		
<b>307.</b>	Very High	MINCHINABAD	SIRYANWALA		

## 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

## ANNEX II: LIST OF HEALTH FACILITIES AND THEIR VULNERABILITY TO HAZARDS

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary )	Name And Contact No Of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	BHU Shaffi abad BWN		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood
2	BHU Ram Pura BWN		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood
3	BHU Jhedoan CTN		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood
4	BHU Mangher sharif CTN		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood
5	BHU 331/HR FTS		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood
6	BHU 297/HR FTS		Primary	Mr. Mansoor Ahmad Incharge ADP 063-9240141	Flood

**Proposed Flood Relief Camps in district Bahawalnagar: Total: 19****Tehsil Minchinabad: (05 Camps)**

Sr. No.	Relief Camp Name
1	GES Lala Amir Singh
2	BHU Usman Pur Rateka
3	GHS Peer Khalis
4	GES Bonga Akbar Mari Nahal
5	GHS Laleka

**Tehsil Bahawalnagar: (06 Camps)**

Sr. No.	Relief Camp Name
1	Primary School Chaweka
2	Govt. High School Jhulan Arain
3	Govt. High School Mari Mian Sb ottar (Technical Training Center in case of high flood)
4	Govt. Middle School Khai bodla
5	Govt High School Qasim ka
6	Health Center Kalia Shah

**Tehsil Chishtian: (07 Camps)**

Sr. No.	Relief Camp Name
1	RHC Shaheer Farid
2	BHU Jhedwan
3	BHU Mehta Jhedo
4	Boys Middle School Mehta Jhedo
5	Boys Middle School Shali Garbi
6	Boys High School Chak 10/Fordwah
7	Boys High School Mohar Sharif

**Tehsil Fortabbas: (01 Camp)**

Sr. No.	Relief Camp Name
1	Govt. Boys High School 240/HL

## ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrollment	Incharge Name	Contact Number
1	GPS Khai Bodla (No school exists in moza pir skindar otar)	school		134	Allah ditta	0306-970530
2	GPS Momeka Hitar (PSSP)	School		206	Amanat Ali	3007581526
3	GPS Ghous Pur	School		132	Muhammad Munawar Saeed	0300-7581532
4	GPS Ghous Pur (No school exists at Moza Kakuka Bolda)	school		132	Muhammad Munawar Saeed	0300-7581532
5	GPS Muhammad Yar Hans	school		228	Gohar Ali	0300-7928343
6	GPS Toghera Sharif	School		70	Muhammad Abdul Razzaq	0307-2274298
7	GPS Mamonka Hitar	School		100	Muhammad Akram	0302 6141564
8	GES Billuka Hitar (Bhadar ka Otar is attached moza of Billuka Hitar)	school		409	Allah Rakha Sajjad	0301-5665759
9	GPS Haidar Shah	school		202	Muhammad Hasan	3437403534
10	GPS Rajeka (PSSP)	School		121	Muhammad Sajid	0321-4034640
11	GPS Toghera Sharif (PSSP) (No school exists at Moza Abrarah hotar)	School		210	Muhammad Yasin	3225050614
12	GPS Akuka	school		180	Sheikh Muhammad Abdullah	0300-7921884
13	GPS Kot Langah	school		70	Irshad Ali	0305-7368599
14	GHS Mari Mian Shb	School		510	Muhammad Liaqat	3017899758
15	GES Billuka Hitar	School		409	Allah Rakha Sajjad	0301-5665759
16	GPS Jhodeka East	school		54	Muhammad Jahangir	0300-4031351
17	GPS Rajeka (PSSP)	school		121	Muhammad Sajid	0321-4034640
18	gps fatvera hithar	School		131	M Arshad	3083838380
19	GPS Ghous Pur (No school exists at Moza Balara saddar ud din)	School		132	Muhammad Munawar Saeed	0300-7581532
20	GPS Ghous Pur	school		132	Muhammad Munawar Saeed	0300-7581532

21	GHS Qasimka (Said high school located near akuka otar)	school		599	Sajjad Hussain	3075358378
22	GPS Bonga ahsan bibi	School		145	Tariq Mehmood	0306-9259737
23	GPS Pir Shah(There is no School exists at Bhorika Moza, Pir Shah is attached area)	School		85	Ahmad Hassan	0306-8037388
24	GHS Qasimka	school		599	Sajjad Hussain	3075358378
25	GHS Saneka	school		350	Muhammad Fayyaz	3007927530
26	GPS Momeka Hitar (PSSP) (no school exists at moza Bilara Qasimka)	School		180	Amanat Ali	3007581526
27	GES Chaveka	School		312	Naeem Ahmad	3067860744
28	GPS Noorpur Arazi	school		276	Muhammad Sabir	0300-6465600
29	GPS Aakuka Hitar	school		99	Muhammad Muddassar	0303-9462646
30	GPS Ghani Pura	School		77	Nazeer Ahmad	0322-6931309
31	GPS Aakuka Hitar	School		99	Muhammad Muddassar	0303-9462646
32	GPS Toghera Sharif (PSSP)	school		210	Muhammad Yasin	3225050614
33	GHS Mari Mian Shb	school		510	Muhammad Liaqat	3017899758
34	GPS Kalia Shah (No school exists at moza Musla)	School		144	Umer Hayyat Khan	0300-7094445
35	GPS Begka Noorpur	School		140	Abdul Ghaffar	0304-8111582
36	GP/S Merou Blouch	school		99	AYAZ AHMAD PST	0300-7546225
37	GP/S Kora Bhotna	school		182	HAFIZ NOOR SUMAD PST	0300-8393975
38	GGPS BASTI MIAN RAJAY KHAN GUJAR	School		60	Shumaila Iqbal	3060642528
39	GES Sheli Gharbi	School		350	Riaz Ahmad	0300-9835818
40	GPS CHAH MUHAMMAD AZAM	school		110	M.FIAZ ESE	0300-2250443
41	GES DULLAH BHUDERA	school		110	SHAHZAD ZAFAR SESE	0300-8141684
42	GES CHAK NO.4/G	School		155	ZEESHAN BAIG	0334-8232364
43	GPS TANAZA	School		244	GULAB ALI	0302-4583650
44	GPS JHEDWAN	school		205	MUHAMMAD AZAM	0302-7913500
45	GPS MAZEED SHAH	school		219	MANZOOR AHMED	0301-6595155
46	GES MEHTA JHEDU	School		479	SYED MEHBBOB ALI SHAH	0302-7548353
47	GPS MERAN KHAN	School		120	MUMTAZ AHMAD PST	0315-6153808

48	GMMS BASTI HASSAM	school		35	ALLAH DITA	0306-9717716
49	GPS BONGA BLOCHIAN	school		PSSP SCHOOL	<b>TAHIR MAQBOOL</b>	<b>3336342165 3336342165 3076591803</b>
50	GPS BHAKERIAN	School		70	M. ASIM PST	0304-0593121
51	GPS NOORAN BALOUCHAN	School		82	M.RAFIQUE PST	0302-7549936
52	GPS SHARIF DEH	school		70	ALLAH DITTA (PST)	0301-7915513
53	GP/S Kamiran	school		78	MAZHAR AHMAD PST	0306-7987544
54	GP/S Kamiran	School		78	MAZHAR AHMAD PST	0306-7987544
55	GP/S Kamiran	School		78	MAZHAR AHMAD PST	0306-7987544
56	GPS Kalia Shah	school		144	Umer Hayyat Khan	0300-7094445
57	GES BASTI SODA	school		133	GHULAM MUSTFA (SST)	0307-7938092
58	GES KHAIR SHAH OTTAR	School		330	RASHEED AHMED	03331630681
59	GES BACHIANWALI	School		444	Sajid Lodhi	03138707579
60	GPS Bhindi Laleka	school		261	Allah Ditta	3048254297
61	GPS Bhatta	school		185	Muhammad Azam	3336378367
62	GPS Laleka Hithar	school		134	M.Yaseen Bhatti	3068638483
63	GPS Bhulluka	School		195	Muhammad Ahmed Shakir	3006340416
64	GPS Mathela Qaimka	School		212	Zahoor Ahmad	3427423818
65	GPS Dona Qutab Saru	school		83	Muhammad Asif	3024306632
66	Gps Dona Jewan Saru. Gps Basti Sulemanki	school		63	Muhammad Riaz. Muhammad Khalil	3338498938. 03007216940
67	GES Lala Amar Singh	School		283	M Tariq and Muhammad	3336326840
68	GES Lala Amar Singh	School		283	M Tariq & Munsha	Tariq 3336326840 Munsha 03317915850
69	GPS Bhondi	school		200	Shabir Hussain	3334778236
70	nearest school GPS Dona Jevan Sarho	school		67	M.Aqeel	923336409546
71	GPS PEHLWANKA	School		90	GHULAM RASOOL	03011435606
72	GGPS Wazira Ghadhoka	School		60	Saima Batool	3321475224
73	GPS BHENI BAKSHYA	school		35	Kamran manzoor	923057932155
74	GPS Noshera Jangal Rakh	school		102	GHULAM RASOOL	3066598160
75	GPS DADU AHLOKA	school		106	SHAMIR AHMAD	3067980245
76	GPS DILAWAR JASSOKA	School		65	Khuram shahzad	3217016038
77	GPS DILAWAR JASSOKA	School		65	Khuram shahzad	3217016038
78	GHS Peer Khalis	school		330	RASHEED AHMED	3336409753

79	GPS DILAWAR JASSOKA	school		65	Khuram shahzad	3217016038
80	GGHS Rehmoonka	School		198	Aneela Riaz	3048069489
81	GPS Rehmoaka	School		222	Muhammad Iqbal	3332037779
82	GPS Mahram China	school		209	M.Zia Ur Rehman	3087812716
83	GPS Mahram China	school		209	M.Zia Ur Rehman	3087812716
84	GPS Rehmoaka	School		222	Muhammad Iqbal	3332037779
85	GES Ratteka	School		363	Muhammad Sarwar	3349870962
86	GPS DILAWAR JASSOKA	school		65	Khuram shahzad	3217016038
87	GPS Ahmad Pur Gadhoka	school		219	Abdul Ghafar	3337727401
88	GPS Mahram China	school		209	M.Zia Ur Rehman	3087812716
89	GPS Ahmad Pur Gadhoka	School		219	Abdul Ghafar	3337727401
90	GES MARI NEHAL	School		265	MUHAMMAD NAWAZ	03037042683
91	GPS Mehmand Baloch	school		98	Muhammad Khan	3089044216
92	GES Ratteka	school		363	Muhammad Sarwar	3349870962
93	GHS Hasil Sarhu	School		361	Mansoor Ahmad	3334586403
94	GPS DILAWAR JASSOKA	School		65	Khuram shahzad	3217016038
95	nearest gps bhondi, students are also enrolled	school		200	Shabir Hussain	3334778236
96	GES Ratteka	school		363	Muhammad Sarwar	3349870962
97	GES MARI NEHAL	School		265	MUHAMMAD NAWAZ	03037042683
98	GPS DILAWAR JASSOKA	School		65	Khuram shahzad	3217016038

## ANNEX IV: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S#	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/Floods/Earthquake
1	Fatima rice industry	Opposite cant Minnchinabad Road, Bahawalnagar	-	Chemical	Muhammad Saleem S/o Allah Diyya 030075669	Low	No
2	Haji ZUmard Din Rice Mill	Cotton Colony Road, near Forest Bahawalnagar	-	Chemical	Muhammad Ahmed S/o Haji Zamurad Din 03007921728	Low	No
3	Matyana paper mill	4 Fordwah Chishtian	-	Chemical	Asif Matyana S/o Irshad Maatyana 0300-9415344 0322-9415344	Medium	No
4	Freshly Water	Pull Fordwah Bahawalnagar	-	Biological	Haji Muhammad Iqbal S/o Jalal Din 03007929000	Low	No

## ANNEX V: 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	Sir Syed Welfare Society Chishtian	Local	Chishtian	Education, Women Welfare	Hameed Ahmad Siddiqui	0300- 6989192
2	Mumtaz Welfare Society Chishtian	Local	Chishtian	Women Welfare		063- 2501095
3	Social Welfare Society Chak 46/F Chishtian	Local	Chishtian	Women Welfare	Waseem Luqman	0300- 6980758
4	Anjuman Samaji Behbod Chak 54/F, Bakhshan Khan	Local	Bakhshan Khan	Women Welfare	Muhammad Amin	0321- 7059754
5	Anjuman Faridia Falah o Behbod Chishtian	Local	Chishtian	Women Welfare	M. Idrees Akram	0345- 7058130
6	Al-Badar Welfare Society Chishtian	Local	Chishtian	Women Welfare	M. Pervaiz Ajmal	030- 6989192
7	Dr. M. Khan Welfare Trust Bakhshan Khan	Local	Bakhshan Khan	Education	Farooq Salman Khan	0300- 9492067
8	Al-Tayyab Welfare Society, Chak 28/G Chishtian	Local	28/G, Chishtian	Women Welfare	M. Younas	0331- 7813628
9	Jammiat-ul-Abasia Welfare Society Chishtian	Local	Chishtian	Women Welfare	Dr. Muhammad Khan	0302- 7914426
10	Zafar Memorial Welfare Society, Manghair Shareef, Chishtian	Local	Manghair Shareef Chishtian	Women Welfare	Muhammad Zafar	0300- 7923538
11	Pakistan Association of the Blind Chishtian	Local	Chishtian	Welfare of the Blind	Ghulam Murtaza	063- 2501854
12	Islamic Welfare Society, Chishtian	Local	Chishtian	Women Welfare	Shafique Ahmad	0300- 7545753
13	Sultan Memorial Welfare Society, Chishtian	Local	Chishtian	Women Welfare	Farooq Sultan	0300- 6989254
14	Satluj Welfare Foundation, Chishtian	Local	Chishtian	Women Welfare	Muhammad Shahid	030- 8675330
15	Khawaja Welfare Trust, Chishtian	Local	Chishtian	Education	Khawaja M. Arshad	0321- 7002005
16	Women Development Organization, Chishtian	Local	Chishtian	Women Welfare	Khalida Maqsood	0300- 7545882
17	Chishtia Welfare Society 14/G, Chishtian	Local	14/G, Chishtian	Women Welfare	Tanvir Hussain	0305- 205660
18	Human Orientation for Participatory Education (HOPE) Chishtian	Local	Chishtian	Women Welfare	Salman Zia	0301- 8663327
19	Health Education	Local	14/G, Chishtian	Health, Women	Muhammad	030-

	and Land Care (HELP) 14/G, Chishtian			Welfare	Abdullah	6983903
20	Matyana Welfare Society Mahta Jhaidu Basti Hassan Chishtian	Local	Mahta Jhaidu, Chishtian		Tariq Zahoor Matyana	0301-3005998
21	Ittefaq Development Organization Chak 41/F, Chishtian	Local	Chak 41/F, Chishtian	Women Welfare	Zia-ur-Rehman	030-6985641
22	Arqam Foundation, Chak 4/FW, Chishtian	Local	4/FW, Chishtian	Women Welfare	Qari M. Yaqoob	0306-7987540
23	Quaid-i-Azam Welfare Society Chak 9/FW, Bakhshan Khan	Local	9/FW, Chishtian	Women Welfare	Malik Ghulam Sajid	0303-502821
24	Al-Rehmat Welfare Society, Chak 4/FW, Chishtian	Local	4/FW, Chishtian	Women Welfare	Abdul Ghafoor	030-7549293
25	Itehad Welfare Society, Tiba Tanki Chishtian	Local	Tiba Tanki, Chishtian	Women Welfare	M. Asghar	030-6985592
26	Villages Development Foundation, Chishtian	Local	Chishtian	Women Welfare	Ameen Noshahi	0336-7103377
27	Human Rights Protection Association, Chishtian	Local	Chishtian	Women Welfare, Human Rights	M. Yaseen	0300-7541789
28	Anjuman Falah e Mareezan Chishtian	Local	Chishtian	Patients Welfare	Dr. Fareed	0345-6203466
29	Patients Welfare Society, THQ Hospital Chishtian	Local	Civil Hospital Chishtian	Patients Welfare	Muhammad Liaquat	0305-6988883
30	Ijtemai Tarquati Council Minchinabad	Local	Minchinabad	Women Welfare	Asif Mahmood	0304-8273695
31	Human Rights Protection Organization Minchinabad	Local	Minchinabad	Women Welfare	Muhammad Sohail	030-7926418
32	Liberal Social Development Organization Minchinabad	Local	Minchinabad	Women Welfare	M. Munir Javed	0300-6561488
33	Abid Welfare Foundation Minchinabad	Local	Minchinabad	Women Welfare		0334-7015850
34	Human Welfare Organization Minchinabad	Local	Minchinabad	Women Welfare	Tayyab Paracha	0300-79225
35	Tonsvi Welfare Foundation Hasil Saaru Minchinabad	Local	Hasil Saru	Women Welfare	Muhammad Sohail	0312-7579815
36	Patients Welfare Society, THQ	Local	Civil Hospital Minchinabad	Patients Welfare	M. Fazal Khan	0334-7685716

	Hospital Minchinabad					
37	Anjuman Islah e Moashra Chak 38/3R, Haroonabad	Local	Haroonabad	Women Welfare	Hafiz M. Shahid	030-6985238
38	Vital Welfare Foundation Haronabad	Local	Haroonabad	Women Welfare, Human Welfare	Dr. M. Sarwar	0321-7352929
39	Al-Falah Welfare Council Faqirwali, Haroonabad	Local	Haroonabad	Women Welfare	M. Iqbal Saeed	030-6979184
40	Jinah Welfare Society, Faqirwali	Local	Haroonabad	Women Welfare	M. Tariq Shahid	0346-7544208
41	Faisal Welfare Society Chak 10/6R, Haroonabad	Local	Haroonabad	Women Welfare	Rizwan Rasheed	0344-5870393
42	Anjuman Falah-e-Moashra Chak 56/4R, Haroonabad	Local	Haroonabad	Women Welfare	Haji Mushtaq Ahmad	034-7047956
43	Hatif Welfare Society Haronabad	Local	Haroonabad	Women Welfare, Human Welfare	Pervaiz Iqbal	0333-6306297
44	Soch Welfare Foundation Haroonabad	Local	Haroonabad	Women Welfare	Rao Ghulam Muheoudin	030-6950373
45	Young Stars Welfare Society Haronabad	Local	Haroonabad	Women Welfare	M. Pervaiz Iqbal	0345-6993535
46	Majid Foundatiom Faqirwali	Local	Haroonabad	Women Welfare	M. Arshad Chishti	0333-3849898
47	Ali Welfare Society Chak 100/6R	Local	Haroonabad	Women Welfare	Akhtar Hussain	0343-7407080
48	Chorahi Welfare Society Chak 164/7R	Local	Haroonabad	Women Welfare	M. Sharif	0323-6417811
49	The vision Education Foundation Haroonabad	Local	Haroonabad	Education	Muhammad Shahbaz	0302-6986143
50	Human Unity for Learning and Liberty Foundation Faqirwali	Local	Haroonabad	Women Welfare	M. Bilal Alam	0333-6267777
51	Sardaran Siddique Welfare Foundation	Local	Haroonabad	Women Welfare	Javed Akhtar	0332-6208788
52	Tahafuz Welfare Foundation Haroonabad	Local	Haroonabad	Women Welfare	Haji Saeed Ahmad	0334-7050537
53	Ibrahim Welfare Foundation Chak 69/4R	Local	Haroonabad	Women Welfare	M. Akraam Javeed	0345-7052169
54	Anjuman Falah e Marizan wa Moashra Haroonabad	Local	Haroonabad	Patient Welfare	Haji Saeed Ahmad	0334-7050537
55	Anjuman Samaji Behbod Chak 207/M, Dahranwala	Local	Chak 207/M	Women Welfare, Education	Abdul Ghaffar	0305-1848207
56	Anjuman Samaji Behbod Chak 95/F,	Local	Chak 93/F	Women Welfare	Tariq Mahmood	0303-6688220

	Dahranwala					
57	Anjuman Falah e Moashra Chak 170/M	Local	Chak 170/M	Women Welfare	M. Afzal	0300-7549152
58	Unique Welfare Organization Dahranwala	Local	Dahranwala	Women Welfare, Education	Muhammad Abid Hussain	0302-4694170
59	Adam Jee Welfare Society Dahranwala	Local	Dahranwala	Women Welfare	Muhammad Shafi	0306-4993350
60	Sawaira Welfare Foundation Bahawalnagar	Local	Bahawalnagar	Women Welfare	Malik Shahid Anwar	0300-6840799
61	Iris Welfare foundation Bahawalnagar	Local	Bahawalnagar	Women Welfare	Saleemullah Joyia	0301-4098595
62	Life Care and Welfare Organization Bahawalnagar	Local	Bahawalnagar	Women Welfare	Miam M. Din	0300-3739648
63	Human Rights Welfare Foundation Bahawalnagar Bahawalnagar	Local	Bahawalnagar	Women Welfare, Human Rights	Rao m. Zubair	0333-6300744
64	Al-shifa Welfare Foundation Jatu wala	Local	Bahawalnagar	Women Welfare	Ch. Ghulam Nabi	0345-7052400
65	Ujala Foundation Donga Bonga	Local	Donga Bonga	Women Welfare	Irfan Ahmad	0300-7922751
66	Voice of Humanity Development Bahawalnagar	Local	Bahawalnagar	Women Welfare	Nayla Ashraf	0304-6714300
67	Al-Khair Welfare Organization Bahawalnagar	Local	Bahawalnagar	Women Welfare	Mehrunnisa Javed	0301-7688334
68	Millat Welfare Society Bahawalnagar	Local	Bahawalnagar	Women Welfare	Aamir Noor	0300-7426562
69	Great Organization Bahawalnagar	Local	Bahawalnagar	Women Welfare	Shaikh Asghar Ali	0334-7037273
70	Jamiat-ul-Abbasia Bahawalnagar	Local	Bahawalnagar	Women Welfare	M. Din Rafiqui	0333-4973879
71	Sami-ullah Education & Welfare Association Bahawalnagar	Local	Bahawalnagar	Women Welfare, Education	Ms. Farhat Mahmod	063-2277665
72	Dehi Samaji Traquati Council Mosa Bhota	Local	Mosa Bhota Bahawalnagar	Women Welfare	Mubashar-ul-Hasan	0300-7925105
73	Anjuman Samaji Behbod Madni Colony Bahawalnagar	Local	Bahawalnagar	Women Welfare	Anees-u-Rehman	0300-7927212
74	Sardar Memorial Welfare Foundation Bahawalnagar	Local	Bahawalnagar	Women Welfare	Tariq Mahmood	0300-7921469
75	Fordwah Ijtemai Traquati Council	Local	Bahawalnagar	Women Welfare	Asghar Ali Shah	

	Bahawalnagar					
76	Education Valli Development	Local	Bahawalnagar	Women Welfare, Education	Wasif Ayub	
7	Women Welfare Society Bahawalnagar	Local	Bahawalnagar	Women Welfare	Matloob Nasir	0332-7024932
78	Bahawalnagar Education Foundation Bahawalnagar	Local	Bahawalnagar	Women Welfare	D.C. Bahawalnagar	
79	Raasta Foundation Bahawalnagar	Local	Bahawalnagar	Women Welfare	Saima Yousaf	0333-4627820
80	Irada Development Organization Bahawalnagar	Local	Bahawalnagar	Women Welfare	M. Din Rafiqui	
81	Loak PUNCHAYAT Nikka Bair wala Bahawalnagar	Local	Bahawalnagar	Women Welfare	Ghulam Hussain Bodla	0334-6061010
82	Anjuman Behbood-e-Aseeran District Jail Bahawalnagar	Local	District Jail, Bahawalnagar	Prisoners Welfare	Ghulam Hussain Bodla	0334-6061010
83	Patients Welfare Society DHQ Hospital Bahawalnagar	Local	DHQ Hospital Bahawalnagar	Patient Welfare	Ghulam Nabi	0308-5707420
84	Rural Ladies Social Development Society Chak 338/HR Marot	Local	Marot	Women Welfare	Majidan Begum	0306-4084149
85	Women Welfare Development Society Fortabbas	Local	Fortabbas	Women Welfare	Safia Begum	0301-7689824
86	Ijtemai Traquati Council Fortabbas	Local	Fortabbas	Women Welfare		
87	Social Welfare Council Khichiwala	Local	Khichiwala	Women Welfare	Yousaf Ali Kanwal	0345-6852400
88	Anjuman Samaji Behbod Chak 306/HR Marot	Local	Chak 306/HR Marot	Women Welfare	Fazal Abas	0300-3765617
89	Anjuman Samaji Behbod Basti Pholra Fortabbas	Local	Fortabbas	Women Welfare	Saleem Zahid	030-729088
90	Refa-e-Aama Council Chak 273/HR Fortabbas	Local	Chak 273/HR Fortabbas	Women Welfare,	Nadeem Zafar	0300-7587819
91	Patients & Child Welfare Association Fortabbas	Local	THQ Hospital Fortabbas	Patients & Child Welfare	Ghulam Mustafa	

## ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Focal Person for Disasters	Muhammad Asad	063-9240306	--	0300-7921744
2	Commissioner	Asif Iqbal Choudhary	062-9250061-62	--	041-0922057
3	RPO	Muhammad Zubair Dareshak	062-9250354	--	0309-7771612
4	DC	Lt. (R) Muhammad Shoaib Khan Jadoon	063-9240201	063-9240203	0304-0920084
5	DPO	Mr. Qadoos baig	9240055-051	063-9240066	0304-0929100
6	ADC Revenue	Saif ullah Sajid	063-9240209		0345-7525127
7	DEO Rescue 1122	Rao Sharafat Ali	063-9240174	--	0302-4219300
8	DO Civil Defence	M.Uzair	063-9240096	--	0304-7577241
9	SNA	Miss Imama Goshi	063-9240296	--	0333-2728458
10	AC – Chishtian	Mian Sarmad Hussain	063-2504516	--	0322-7368298
11	AC –Haroon abad	Muhammad Tayyab	063-2253624	--	0302-5515506
12	AC –Fortabbas	Ahmad Saleem Chishti	063-2510531	--	0315-4188041
13	AC -Minchinabad	M.Muzammil Ilyas	063-2750505	--	0333-4286904
14	Tehsildar Bahawalnagar	Sajjad Ahmad Lodhi	--	--	0300-7839823
15	Tehsildar Chishtian	Shoukat Ali Chohan	--	--	0300-9514560
16	Tehsildar Haroonabad	AjmalSaifChatta	--	--	0302-4018180
17	Tehsildar Fortabbas	Muhammad Shafiq	--	--	0301-8684327
18	Tehsildar Minchinabad	Shiekh Muhammad Naeem	--	--	0300-4009292, 0314-4009292
19	Chief Officer - Bahawalnagar	Najaf Shah (addl Charge)	063-9240151	--	0333-6286281, 0301-1306832
20	Chief Officer Chishtian	Arshad Tatla	063-2503297	--	0300-6989786
21	Chief Officer, Haroonabad	Ihtesham Shah	063-2250883	--	0300-5757492
22	Chief Officer, Fortabbas	Ghulam Jillani	063-2511625	--	0346-7820324
23	Chief Officer, Minchinabad	Rashid Aziz Ghaznavi	063-2751000	--	0301-7923921
24	CEO Education	Muhammad Aslam Ijaz	063-9240181	--	0303-7212206
25	Chief Engr. Irrigation	Waseem but	--	--	0321-4578674

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
26	SE Irrigation	Zafar Hussain	063-9240226	--	0333-4163083
27	XEN Buildings	Muhammad Nadeem	063-9240085	063-9240163	0301-7421247
28	XEN Highways	Shahzad Hashim	063-9240163	063-9240085	0300-7193716
29	DO Agriculture	Sheikh Mehmood	063-9240124	--	0301-7689959
30	CEO Health	Shahid Saleem	063-9240141	063-9239083	0300-4310642
31	DMO (Additional Charge)	Muhammad Tayyab	063-9240290	--	0302-5515506
32	Incharge DHQ Hospital	Ina mullah Jamali	063-9240245		0300-5426203
33	Veterinary Officer	Dr. Haq Nawaz	063-9240126	--	0322-6963284
34	DDLG	M. Boota Mazhar			0300-7851200

## ANNEX VI: LIST OF VOLUNTEERS

S#	Name of Volunteers.	CNIC NO.	Mobile No.	Blood Group	Time Required to be on-board
1	Muhammad Faizan Yousaf	3110146381765	3029772254	O+VE	2-4 HRS
2	Adnan Jalal	3110174527929	3007945117	A+VE	2-4 HRS
3	Shahbaz Ali	3110162140351	3064563117	B+VE	2-4 HRS
4	M. Abu Bakar	3110119387965	3070504543	A+VE	2-4 HRS
5	Muhammad Khan	3110120732983	3027080283	B+VE	2-4 HRS
6	Waqas Rasheed	3110194224301	3057336661	A+VE	2-4 HRS
7	Kashif Jamal	3110168581881	3074879221	B+VE	2-4 HRS
8	Muzammil	3110139880213	3022125842	O+VE	2-4 HRS
9	Ali Zaman	3110143916505	3027061123	A+VE	2-4 HRS
10	M. Naeem	3110186956005	3420065506	O+VE	2-4 HRS
11	Muhammad Saleem	3110134033073	3007960704	O-VE	2-4 HRS
12	Muhammad Wasim Akram	3110121156769	3017179280	O+VE	2-4 HRS
13	Muhammad Yar	3110118836647	3048242559	A+VE	2-4 HRS
14	Muhammad Aslam	3110165675003	3037077390	O+VE	2-4 HRS
15	Abdul Rasheed	3110180304257	3076607923	B+VE	2-4 HRS
16	Abu Bakar	3110119387965	3070504543	O+VE	2-4 HRS
17	Rao Moeen	3110199678509	3326050198	B+VE	2-4 HRS
18	Abdullah Ameen S/O M. Ameen	3110149543531	3037149059	B+VE	2-4 HRS
19	M. Naveed Akhtar.	3110184161639	3078504050	O+VE	2-4 HRS
20	Muhammad Usman Yousaf	311017774969	3097928508	O+VE	2-4 HRS
21	M. Affan Yousaf	3110187870919	3085480518	O+VE	2-4 HRS
22	M. Umer Irshad	3110169230015	3332825005	B+VE	2-4 HRS
23	Muhammad Mehboob	3110175700801	3032634487	O+VE	2-4 HRS
24	Mohsin Iqbal	3110163671465	3055404610	O+VE	2-4 HRS
25	Amir Hussain Shah	3110131811847	3009463602	O+VE	2-4 HRS
26	Muhammad Sajid Ali	3110120152225	3012026104	O+VE	2-4 HRS

27	Shoukat Ali	3110292597217	3237097500	A+VE	2-4 HRS
28	Muhammad Ijaz Ahmad	3110264604735	3217922847	O+VE	2-4 HRS
29	Ejaz Ahmad	3540183413535	3077496673	O+VE	2-4 HRS
30	Zahid Farooq	3110248780613	3036319471	B+VE	2-4 HRS
31	Syed Abul Hassan Shah	3110255310057	3000871494	O+VE	2-4 HRS
32	Muhammad Akmal	3110246260687	3040548294	B+VE	2-4 HRS
33	Waqar Ali Anjum	3110325156161	3083009332	B+VE	2-4 HRS
34	Ghulam Murtaza	3110215183251	3007012258	B+VE	2-4 HRS
35	Arslan Ashgar	3110236776223	3067681115	A+VE	2-4 HRS
36	Faizan Illah	3110291336715	3017917679	O+VE	2-4 HRS
37	Mukhtair Ahmad	3110261415481	3006985027	B+VE	2-4 HRS
38	Shahzad	3110297526167	3086162966	AB+VE	2-4 HRS
39	Khuda Buksh	3110211434665	3076984052	A+VE	2-4 HRS
40	Naveed Anwar	3110228858607	3026982802	A+VE	2-4 HRS
41	Muhammad Asif	3110232855229	3039082948	A-VE	2-4 HRS
42	Ghulam Mustafa	3110272838857	3000766348	B+VE	2-4 HRS
43	Muhammad Imran	3110226532727	3037664662	B+VE	2-4 HRS
44	Muhammad Zaheer	3110416682575	3156692402	B+VE	2-4 HRS
45	Muhammad Irfan Ashraf	3110457846043	3000773517	A+VE	2-4 HRS
46	Muhammad Mubeen	3110439259313	3026042020	AB+VE	2-4 HRS
47	M. Sajid Mehmood	3520249590895	3313666869	B+ VE	2-4 HRS
48	Muhammad Shan	3110470123509	3042672426	B+VE	2-4 HRS
49	Salman Haider	3110402398865	3357791326	A+VE	2-4 HRS
50	Muhammad Waqas	3110424190885	3037056026	A+VE	2-4 HRS
51	Abdul Sattar	3110418613137	3066916796	B+VE	2-4 HRS
52	Abdul Basit	3110424528691	3027295826	B+VE	2-4 HRS
53	Muhammad Naeem	3110424535079	3060547302	B+VE	2-4 HRS
54	Muhammad Tariq	3110579529037	3054389872	A+VE	2-4 HRS
55	Muhammad Asif	3110584540375	3026533037	O+VE	2-4 HRS

56	Muhammad Akhtar	3110561456317	3074759282	A+VE	2-4 HRS
57	Muhammad Shafiq	3110554938469	3056712622	O+VE	2-4 HRS
58	Muhammad Mujahid	3110599235783	3027202707	B+VE	2-4 HRS
59	Haroon Rasheed	3110277048969	3040799211	B+VE	2-4 HRS
60	Binyamin	3110566783625	3069765810	AB+VE	2-4 HRS
61	Fateh Muhammad	31105053600487	3436618767	A+VE	2-4 HRS
62	Riaz Ahmad	3110589181627	3014782458	B+VE	2-4 HRS
63	Muhammad Younas	3110502811903	3016170664	A+VE	2-4 HRS
64	Shahbaz Sarwar	3110553444423	3464073886	O+VE	2-4 HRS
65	Muhammad Mujahid	3110560330427	3477015426	B+VE	2-4 HRS
66	Sana Ullah	3110516834347	3033180206	A+VE	2-4 HRS
67	Maqsood Ahmad	3110589579527	3066939672	B+VE	2-4 HRS
68	Syed Safdar Ali Shah	3110513737027	3013119149	O+VE	2-4 HRS
69	Zafar Iqbal	3110595897155	3007584430	O+VE	2-4 HRS
70	Haji Muhammad Talib	3110598425135	3017683868	O+VE	2-4 HRS
71	Muhammad Wasim Abbas	3110569011973	3006261094	B+VE	2-4 HRS
72	Azam Ali	3650289937963	3362097704	B+VE	2-4 HRS
73	Muhammad Tahir	3110554819731	3414433256	A+VE	2-4 HRS
74	Wasim Sarwar	3110541802733	3026586314	AB+VE	2-4 HRS
75	Muhammad Binyamin	3110554773081	3418515894	B+VE	2-4 HRS
76	Ameer Hamza	3110551695293	3017684218	O+VE	2-4 HRS
77	Liaqat Ali	3110558022773	3059663621	A+VE	2-4 HRS
78	Muhammad Zubair	3110503042237	3014905049	B+VE	2-4 HRS
79	Muhammad Javed	3110560330427	3477015426	B+VE	2-4 HRS
80	Naseer Ahmad	3110547961115	3069061693	O+VE	2-4 HRS
81	Muhammad Ameen Anjum	3110527337063	3049975680	B+VE	2-4 HRS
82	Fiaz Ahmad	3110512346653	3090026575	O+VE	2-4 HRS
83	Imtiaz Ahmad	3110528631169	3014747337	B+VE	2-4 HRS
84	Muhammad Irshaad	3110337656111	3404659850	O+VE	2-4 HRS

85	Sami Ullah	3110340928261	3056323362	B+VE	2-4 HRS
86	Muhammad Tariq Shahzad	3110219922093	3084295579	O+VE	2-4 HRS
87	Muhammad Umair	3110352612197	3052616259	B+VE	2-4 HRS
88	Muhammad Zeeshan	3110320615807	3046812893	B+VE	2-4 HRS
89	Muhammad Moeen Ghazi	3110311451239	3012510519	O+VE	2-4 HRS
90	Muhammad Ahsan Bilal	3110364022411	3046402241	B+VE	2-4 HRS
91	Muhammad Mateen Ghazi	3110393869543	3013112132	O-VE	2-4 HRS
92	Ghulzaib Tabbasum	3110375796091	3401858842	B+VE	2-4 HRS
93	Nouman Akhtar	3110390475307	3441710567	O+VE	2-4 HRS
94	Zeeshan Umar	3110353764127	3011740559	O+VE	2-4 HRS
95	Basharat Ali	3110371413885	3074669706	B+VE	2-4 HRS
96	Javed Iqbal	3110360325245	3437979290	B+VE	2-4 HRS
97	Ghulam Muhammad	3110388787239	3477122598	O+VE	2-4 HRS
98	Muhammad Jahangir	3110331977645	3026374210	B+VE	2-4 HRS
99	Muhammad Sufyan	3110382110763	3467209016	B+VE	2-4 HRS
100	Irshad Hussain	3110374995633	3487099164	B+VE	2-4 HRS

## ANNEX VII: 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
<b>166</b>	Abdul Ghafar Wattoo Kalooka	PTI	0300-7580567	237	Mian Fida Hussain Wattoo	PTI	0301-7250711
<b>167</b>	Mian Alam Dad Lalyka	PMLN	0300-4542094	238	Mian Shoukat Ali Lalyka	PTI	0300-7929247
<b>168</b>	Ch Ehsan ul Huq Bajwa	PMLN	0307-7474174	239	Rana Abdul Rauf	PMLN	0300-7929099
<b>169</b>	Ch. Noor-ul-Hassan Tanver	PMLN	0333-1680039	240	Ch M. Jameel	PMLN	0300-6983032
				241	Ch Kashif Mehmood	PMLN	
				242	M Zahid Akram	PMLN	0300-5062444
				243	Dr Mazhar Iqbal Ch	PMLN	0333-4222962
				244	Ch M. Arshad	PMLN	0300-4115577

## ANNEX VIII: LOCAL GOVERNMENTS

S#	Designation	Name of Local Govt.	Name of Administrator	Office Number	Mobile Number
1	DC Bahawalnagar	MC Bahawalnagar	Lt.Retd. Shoaib Khan Jadoon	063-9240201	0304-0920084
2	AC Chishtian	MC Chishtian	Mian Sarmad Hussain	063-2504516	0322-7368298
3	AC Haroonabad	MC Haroon Abad	Muhammad Tayyab	063-2253624	0302-5515506
4	AC Fortabbas	MC Fortabbas	Ahmad Saleem Chishti	063-2510531	0315-4188041
5	AC Minchanabad	MC Minchan Abad	M.Muzammil Ilyas	063-2750505	0333-4286904
6	DC Bahawalnagar	Tehsil Council Bahawalnagar	Lt.Retd. Shoaib Khan Jadoon	063-9240201	0304-0920084
7	AC Chishtian	TC Chishtian	Mian Sarmad Hussain	063-2504516	0322-7368298
8	AC Haroonabad	TC Haroon Abad	Muhammad Tayyab	063-2253624	0302-5515506
9	AC Fortabbas	TC Fortabbas	Ahmad Saleem Chishti	063-2510531	0315-4188041
10	AC Minchanabad	TC Minchan Abad	M.Muzammil Ilyas	063-2750505	0333-4286904
11	ADLG Bahawalnagar	Town Commitee Donga Bonga	Zaheer Ahmad	--	0321-6531810
12	ADLG Chishtian	TC Dahranwala	Zaheer Ahmad	--	0321-6531810
13	ADLG Haroonabad	TC Faqir Wali	M.Asiam	--	0300-7920445
14	ADLG Fortabbas	TC Maroot	M.Asiam	--	0300-2954022
15	ADLG Fortabbas	TC Khichi wala	M.Asiam	--	0300-2954022
16	ADLG Minchanabad	TC Mandi Sadiq Gunj	Shahbaz Ahmad	--	0335-6949500
17	ADLG Minchanabad	TC Mechload Gunj	Shahbaz Ahmad	--	0335-6949500

## ANNEX IX: 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 Reporting Proforma

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
----	-------------	----------	------	--------	-----	-------------------	-----------------	------	---------	----------

**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.
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**P10: Control Room**

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

District: Bahawalnagar

Focal Person: Muhammad Asad

Date: 14-05-2020

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

## 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
SUTLEJ	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
	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
SUTLEJ	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.