

DISTRICT DISASTER MANAGEMENT PLAN 2025

Division: Bahawalpur

District: Bahawalnagar



Mock Exercise



Flood fighting Equipments



Mock Exerciese



Inspection of Flood fighting Equipments

Prepared by: District Emergency Operation Center (DEOC),
Bahawalnagar

Approved by: Deputy Commissioner, Bahawalnagar

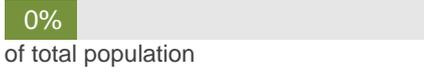


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Hill Torrent

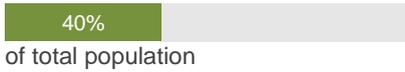
Estimated number of people at risk of **hill torrent** in 2025



Risk: High

Flood

Estimated number of people at risk of Flooding 2025



Risk: Medium

Earthquake

Estimated number of people at risk of **earthquake** in 2025



Risk: low

Epidemic

Estimated number of people at risk of **epidemic** in 2025



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 2023 census is 3550,342 people. Old name of Bahawalnagar was Rojanwali/Ubbha. It was named Bahawalnagar in 1904 after Nawab 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 district's other 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 post 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	3550,342
2.	No. of Tehsils	5
3.	No. of UCs	135
4.	No. of Revenue Estates	1100
5.	Population Density (people per km ²)	232.2/km ²
6.	Family Size	6.7
7.	Pop Growth Rate/annual	3.0%
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	57.01%
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 (2024/25)	15812 / 372 up to (8.3.2025)

Population

Total	Male	Female	TransGender
3,550,342	1,845,493	1,704,479	370

Source/Note: Pakistan Bearu of Statistics.

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks&Morter)	Semi Pakka
557,616	75,664	383,565	98,387

Area (in acres) 17, 54,144

Total Area of District in Km ²	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
	55.24 %	35.68 %	75.81 %	65.96 %	61.49 %	44.83 %

Source/Note: PBS/Agri Ext..

Government Schools

Private Schools

		Schools	Enrollment			Schools	Enrollment
Total/ Overall		2,110	375,720	Total/ Overall		592	153179
Boys	Primary	772	93104	Boys	Primary	24	3549
	Middle	131	35139		Middle	150	44973
	High	121	66690		High	194	28287
Girls	Primary	775	84792	Girls	Primary	20	3584
	Middle	194	40210		Middle	159	43551
	High	111	54735		High	145	29235
Co-Education	Primary			Co-Education	Primary	0	0
	Middle	0	0		Middle	0	0
	High				High	0	0
Special Education		6	1050	Special Education		1	22

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	19	1	11	1	6	32
No of Students	25752	600	1150	0	884	29986

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	122	5			127
Annual OPDs	1851107	1100680			2951787
No of beds	406	591			
Doctors Available	Yes	Yes			
Paramedical staff	Yes	Yes			
Ambulances available		23 Ambulance			
Mobile Medical Units					

Livestock: in Flood Prone Areas:

SPECIES	POPULATION IN BAHAWALNAGAR DISTRICT	POPULATION IN FLOOD-PRONE AREAS
Cattle	654593	48221
Buffaloes	562391	73660
Sheep	138922	14460
Goats	702560	35855
Camel	572	336
Other	27637	3383
Poultry	510530	45832
Total	2597205	221747

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	1988	Flood			
2	2013	-	-	-	
3	2014	-	-	-	
4	2015	-	-	-	
5	2016	-	-	-	
6	2017	-	-	-	-
7	2018	-	-	-	
8	2019	Flood	157239	1	
9	2020				
10	2021				
11	2022				
12	2023	Flood	191053		
13	2024				

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 Sutluj & 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 Arifwala 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)	29.215038/73.0575 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

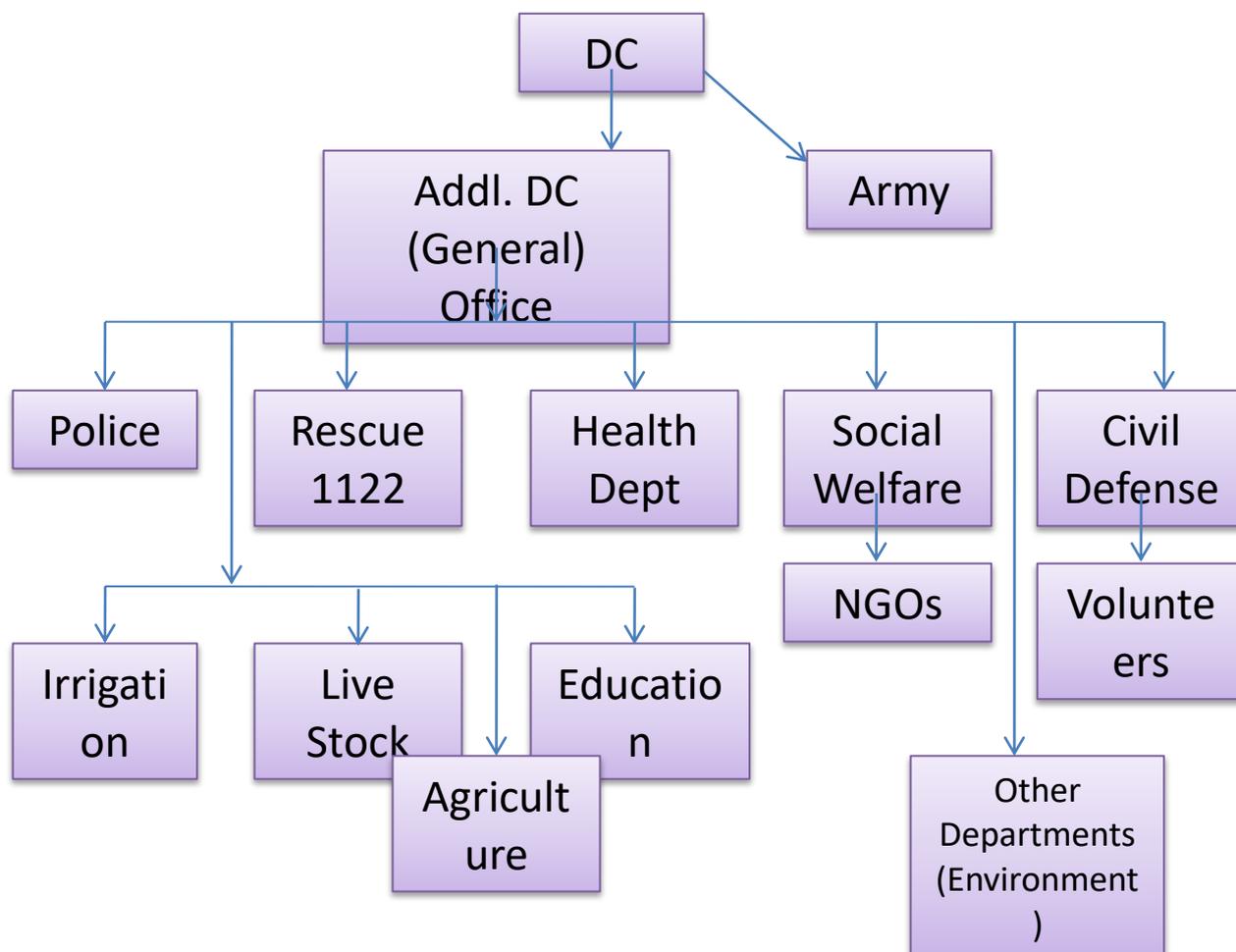
Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Nil	Nil	Nil	Nil	Nil	Nil

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 centre 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 Municipal Committees 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 centre 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 Sutliji 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

Sr . #	Equipment detail	<u>DISTRICT TOTAL</u>		
		No. of functional	No. of Non functional	TOTAL/ Available
1	Boats	14	0	14
2	Operating Boat Machine (OBM)	15	0	15
3	OARS	8	0	8
4	Spray Machine	48	4	52
5	Fog Machine	1	7	8
6	Gass Filling Machine	4	0	4
7	Blower Machine	2	0	2
8	Tractor	21	1	22
9	Trolleys	12	1	13
10	Water lifting pump 40 hp	1	0	1

11	Motercycle rickshaw as loader	3	0	3
12	Hose	8	0	8
13	Plastic Mat	4	0	4
14	Tents	41	0	41
15	Life Jackets.	122	0	122
16	Life Bouys	2	0	2
17	Nylone Rope	10	0	10
18	Life Rings	54	0	54
19	De-watering Sets	23	2	25
20	Mosquito Net	183	0	183
21	Boat Trolley	1	0	1
22	Water Bowsers.	6	0	6
23	Hydrolic Pickups (Vehicles) 800cc suzuki	2	0	2
24	4x4 Vehicles Pickups/shovels/ axes	0	0	0
25	Ambulances	23	0	23
26	Dumpers (Mini Hydrolic) Fawcarriarr 970cc	4	0	4
27	Mobile Toilets	0	0	0
28	Hand Pumps	0	0	0
29	Generators	8	0	8
30	Emergency Search Lights	10	0	10
31	First Aid Boxes	0	0	0
32	Fire Vehicles	6	0	6
33	Hydraulic Cutters	1	0	1
34	Sewerage Safety Suit	4	0	4
35	Fire Suits	8	0	8
36	Water Hydrants	0	0	0
37	Navigators	0	0	0
38	GIS Devices	0	0	0
39	Life lines	3	0	3
40	Sewer suction machine 7000 L	1	0	1
41	Sewer suction machine 4500 L	1	0	1
42	Sewer Jetting machine 4500 L	1	0	1
43	Scuba Diving Suit with complete accessories	3	0	3
44	Rescue Bags	0	0	0
45	Safety Harnesses	14	0	14
46	Extend able ladders	2	0	2
47	Sonar Radar	0	0	0

48	Jumping Sheet	2	0	2
49	Excavators	0	0	0
50	Cranes	0	0	0
51	Bulldozer	0	0	0
52	Blanket	0	0	0
53	Ultra Wide Band Life Locator (25 meter depth or more)	0	0	0
54	Chipping Hammer	1	0	1
55	Saw Cutter	1	0	1
56	Food Hampers	0	0	0
57	Wanda	0	0	0
58	Medical Camps	0	0	0
59	Relief Camps	0	0	0
60	Wet Suit	2	0	2
61	Dry Suit	2	0	2
62	Rescue Vehicle	1	0	1
63	SCBA (Self Contained Breathing Apparatus)	7	0	7
64	Sucker	5	0	5
65	Jet Machine	4	0	4

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 (10Nos) 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 disaster areas. Insecurity of workers working during disaster. Additional demand of resources has already placed before the PDMA.

MITIGATION STRATEGY

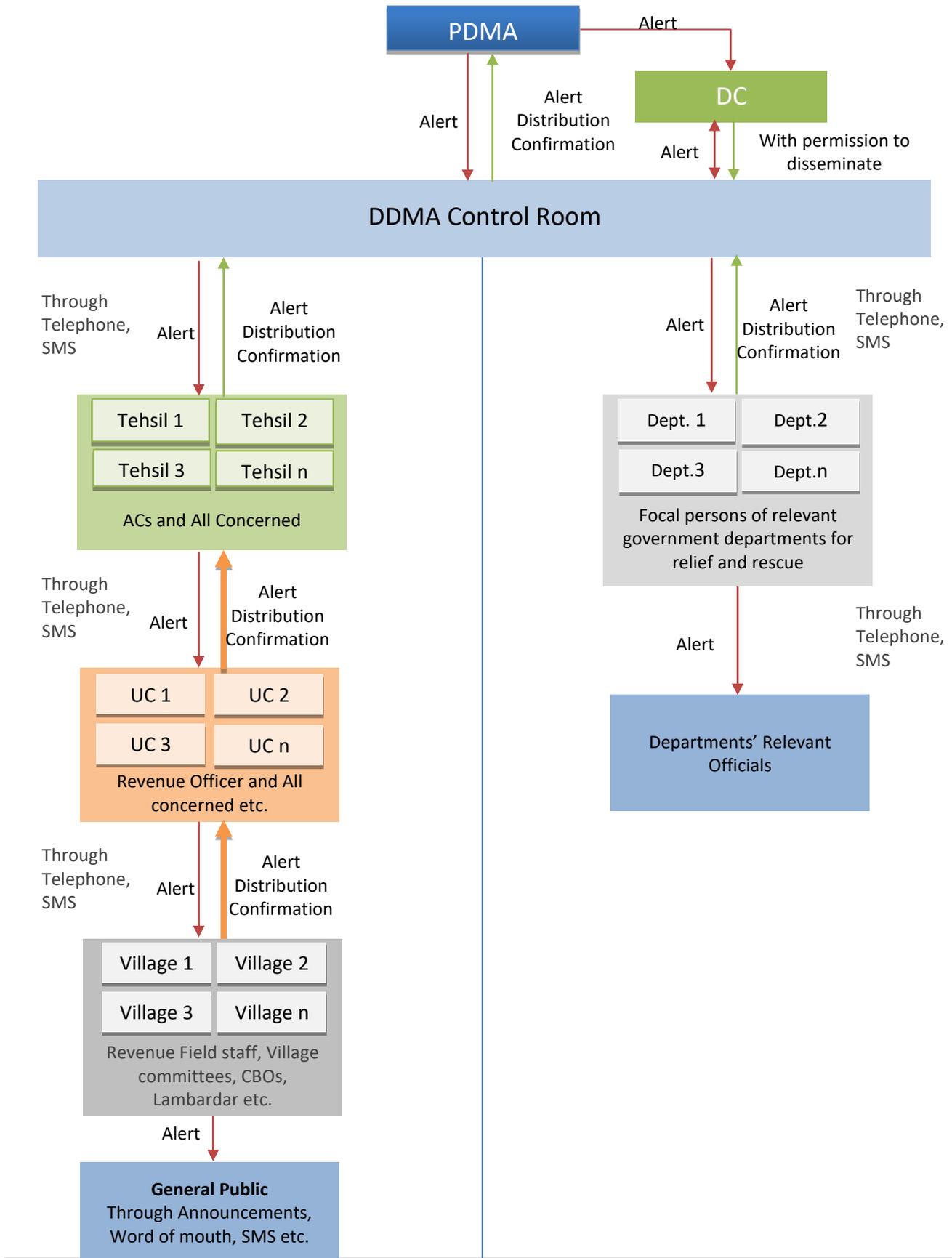
- ✓ Briefly describe what measure could be taken to reduce the impact of the potential disasters.
- ✓ Strategic pre-positioning of available relief stocks
- ✓ Public education and community awareness

Hazards	Mitigate Actions	Responsible Department
Floods	<p>Pre-Flood</p> <p>To ensure veterinary coverage, prophylactic vaccination to each animal/poultry bird and to adopt appropriate measure to check any epidemic or endemic outbreak during flood, including any contagious dilemma.</p> <p>Pre flood vaccination campaign will start w.e.f. 15-05-2025 to 14-06-2025.</p> <p>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&DD Department has 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 Sutlij and its tributaries, details of low lying areas, Flood Forecasting and Warning System, Hazards Map, Detail of Flood Relief Centres/ Evacuation Centres, 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 affected areas.</p> <p>Provision of free health services in the affected area round the clock during flood. Ensure the provision of safe drinking water and food to the affectee. 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 Committees</p>
Earthquake	<p>All responsible Department works during the Earthquake. Constructing earthquake resistance buildings</p>	<p>C & W Department</p> <p>Local Govt.</p>

Other Major Accidents (Building Collapse, fire, road traffic accidents, train accident, Stampede, plane crash)	Punjab Emergency Service (Rescue 1122) Bahawalnagar shall respond to all major incidents (Building Collapse, fire, road traffic accidents, train accident, Stampede, plane crash)	Rescue 1122 City Fire Brigade MC Civil Defence Health Education Police Army Other line Departments
Environmental Hazards (industrial accidents, severe pollution etc.)	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 legal action against the culprits.	Rescue 1122 Environment Department City Fire Brigade Civil Defence Health Education Police Army Other line Departments

EARLY WARNING

Information Flow Diagram



Alertness Levels

Following four levels alertness have been established:

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

Early Warning

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

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 channelize all resources to mitigate flood emergency at any level?

Ans: Early Warning Information shall be disseminated 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. Fodder and vaccination for animal will be responsibility of livestock 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 Irrigation Department, Patwaris and through announcement in loud speakers of masjids. District control Room which is controlled by Focal person flood District Disaster 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 flood information to community / residents of low lying areas by blowing risers which are installed along River Sutli at Head Sulemanki. 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 2025.

- 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 Sutli (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), Bahawalnagar, 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 displace 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 I: IDENTIFIED SITES FOR DISPLACED PERSONS

S#	Location	No. Of Persons Which Can Be Accommodated	Gps Coordinates
01	Primary School Chewaka	350	Lat: 73.3098800001701 Long: 30.1136700001144
02	Govt.High School Jhulain Arain	700	Lat: 73.2783900001865 Long: 30.0834999996461
03	Govt.High School Mari Mian Shaib Ottar	750	Lat: 73.1746100003203 Long: 30.0700399996146
04	Govt Middle School Khai Bodla	650	Lat: 73.1428999993515 Long: 30.0320799993975
05	Govt High School Qasimka	800	Lat: 73.05308000065 Long: 30.0023699998307
06	Health Center Kalia Shah	550	Lat: 72.93898 Long: 29.94966
07	Rural Health Centre Shaher Fareed	540	Lat: 29.820161 Lon: 72.771902
08	Basic Health Centre Jhedowan	450	Lat: 29.904314 Lon: 72.808235
09	Basic Health Centre Mehta Jhedo	500	Lat: 29.916722 Lon: 72.855845
10	Boys Middle School Mehta Jhedo	600	Lat: 29.781221 Lon: 72.808145
11	Boys Middle School Shalli Garbi	650	Lat: 29.789213 Lon: 72.597786
12	Boys High School 10/ FW	800	Lat: 29.763011 Lon: 72.659242
13	Boys High School Moharan Sharif	850	Lat: 29.867504 Lon: 72.836154
14	Govt. Boys Middle School Bunga Akbar Mari Nehal	700	Lat: 30.0677606 Lon: 73.169649
15	BHU Usman Pur Ratteka	500	Lat: 30.1852419 Lon: 73.5111983
16	Govt. Boys Middle School Lala Amar Singh	550	Lat: 30.31423 Lon: 73.7731945
17	Govt. High School Laleka	850	Lat: 30.3144714 Lon: 73.6418613
18	Govt. Boys High School Peer Khalis	750	Lat: 30.2664573 Lon: 73.5275857

ANNEX II:**LIST OF HAZARD PRONE VILLAGES/ REVENUE ESTATE (NAMES REQUIRED)****DETAIL OF VILLAGES LIKELY TO BE AFFECTED AT LOW LEVEL FLOOD (50,000 CUSECS) DISTRICT BAHAWALNAGAR**

Sr. #	Revenue Circle	Name of Chaks/Mouzas	Total No. of Chakooks/Mouzas	Houses (Nos.)	Population (Nos.)	Livestock (Nos.)	Cultivated Area (in Acres)	Remarks
Tehsil Bahawalnagar								
1	Bahawalnagar	ChawekaHitar	2	196	1164	2877	500	
2	Rojhanwali II	FatweraHitar	4	363	2133	3119	350	
3	Rojhanwali II	GhousPur	3	97	588	886	400	
4	Rojhanwali II	BilaraQasim Khan	2	82	454	856	200	
5	Rojhanwali II	Bilara Nabi Bux	3	77	428	1080	195	
6	Rojhanwali II	BilaraSadar din	5	166	992	2036	150	
7	Rojhanwali II	Momeka	6	334	1912	3547	550	
8	Rojhanwali II	KotLangah	4	272	1648	1563	800	
9	Rojhanwali II	Mari Mian shbHitar	5	235	1165	600	600	
10	Rojhanwali II	ChutaBhukHitar	7	874	1167	1117	700	
11	Rojhanwali II	Mari Qadir BuxHitar	1	6	39	237	90	
12	Rojhanwali II	Toghera Sharif	4	178	1226	1366	950	
13	Rojhanwali I	Mehmood Langah	2	30	158	214	85	
14	Rojhanwali I	Mari Qadir Buxotar	6	455	2557	1346	600	
15	Rojhanwali I	Bonga Ranuka	2	39	209	446	450	
16	Rojhanwali I	Bonga Ahsan Bibi	6	200	1230	505	300	
17	Takhat Mahal	Bhooraka	2	70	378	430	150	
18	Takhat Mahal	Saneteka	7	1110	5820	4596	3500	
19	Takhat Mahal	PirSkindarHitar	1	34	199	1954	235	
20	Sadiq Pur	AkukaOtar	3	299	1672	506	1100	
21	Sadiq Pur	AkukaHitar	4	855	4403	507	4000	
22	Sadiq Pur	QasimkaHitar	1	18	101	2200	350	
23	Sadiq Pur	Rajeka	6	249	1499	1892	750	
24	Sadiq Pur	Ghani Pur	1	5	27	220	150	
25	Sadiq Pur	Jhoodeka	7	696	4392	7880	5000	
26	Sadiq Pur	MamomkaHitar	3	180	984	2234	550	
27	Sadiq Pur	BahadarkaHitar	2	98	437	335	465	
28	Sadiq Pur	BilokaHitard,	1	29	215	783	248	

TOTAL			100	7247	37197	45332	23418	
Tehsil Chishtian								
1	Shaher Fareed	Meeru Baloch	1	801	7210	6088	300	
2	Shaher Fareed	Kora Bhotna	1	728	2488	1155	956	
3	Mohar Sharif	Raju Shah	1	110	676	1487	870	
4	Shaher Fareed	ShallyGarbi	1	889	7912	2820	2364	
5	Shaher Fareed	Azeem	1	687	10439	1987	4862	
6	Mohar Sharif	DullahAkuka	1	214	3317	1948	2341	
7	Mohar Sharif	Patian	1	0	0	366	0	
8	Mohar Sharif	Bonga Jhedo	1	396	4429	1752	2654	
9	Mohar Sharif	Jhedowan	1	887	5539	1372	2220	
10	Mohar Sharif	Mazeed Shah	1	669	1369	1188	737	
11	Mohar Sharif	MahtaJhedo	1	410	3047	2182	1650	
12	Mohar Sharif	Miran Shah	1	80	669	1178	221	
13	Mohar Sharif	Chandrani	1	72	296	685	98	
14	Shaher Fareed	Bonga Balochan	1	242	2318	817	50	
15	Shaher Fareed	Bhuk	1	22	297	648	37	
16	Shaher Fareed	TaggaBalochan	1	352	1053	1664	270	
17	Shaher Fareed	Shamu Be Chiragh	1	10	125	490	11	
18	Mohar Sharif	Kameera	1	652	2432	695	571	
19	Mohar Sharif	Awan	1	11	67	185	32	
20	Mohar Sharif	Karmani	1	80	446	580	144	
21	Mohar Sharif	Kalia Shah	1	46	400	2570	249	
22	Mohar Sharif	Bilawal	1	19	37	982	4	
TOTAL			22	7377	54566	32839	20641	
Tehsil Minchinabad								
1	Chabiana	Mahar Khurd	1	30	210	130	402	-
2	Chabiana	Cheypatia	1	241	1447	309	1510	-
3	Chabiana	Chak Zaman	1	98	591	210	215	-
4	Ahmad Pur Macleod Gunj	GadhukaHittar	1	59	480	210	430	-
5	Ahmad Pur Macleod Gunj	GadhukaAutar	1	40	320	85	290	-
6	Ahmad Pur Macleod Gunj	DilawarSheikhuk a	1	48	384	90	209	-
7	Ahmad Pur Macleod Gunj	Tara Cheena	1	66	399	55	110	-
8	Ahmad Pur Macleod Gunj	Makkar	1	60	334	65	110	-
9	Ahmad Pur Macleod Gunj	ChakBandi	1	20	122	25	150	-

10	Ahmad Pur Macleod Gunj	Pathan	1	78	469	75	180	-
11	Ahmad Pur Macleod Gunj	Shah Muhammad Rehmunka	1	114	685	100	210	-
12	Ahmad Pur Macleod Gunj	RattekaAutar	1	48	334	70	430	-
13	Ahmad Pur Macleod Gunj	RattekaHittar	1	160	1240	210	730	-
14	Ahmad Pur Macleod Gunj	Dona Dalilka	1	64	530	160	290	-
15	Ahmad Pur Macleod Gunj	Bhoondi	1	36	288	150	340	-
16	Ahmad Pur Macleod Gunj	BarekaHittar	1	49	735	430	710	-
17	Sammunwali	Lala Amar Singh	1	60	832	570	800	-
18	Sammunwali	Naseer Pur	1	8	65	25	180	-
19	Mansoor Deva	NooranAhluka	1	410	2460	380	510	-
20	Mansoor Deva	Jagga Balouch	1	95	569	170	517	-
TOTAL			20	1784	12494	3519	8323	-
Total for District Bahawalnagar			142	16408	104257	81690	52382	-

**DETAIL OF VILLAGES LIKELY TO BE AFFECTED AT MEDIUM LEVEL FLOOD
(80,000 CUSECS)
DISTRICT BAHAWALNAGAR**

Sr .#	Revenue Circle	Name of Chaks/Mouzas	Total No. of Chakooks/Mouzajats	Houses (Nos.)	Population (Nos.)	Livestock (Nos.)	Cultivated Area (in Acres)	Remarks
Tehsil Bahawalnagar								
1	Bahawalnagar	ChawekaOtar,	1	1638	1892	7528	1550	
2	Bahawalnagar	BaharkaSharqi	2	243	1382	2219	945	
3	Rojhanwali II	Kaku Bodla ,	1	125	621	1638	250	
4	Rojhanwali II	Toba Qalandar Shah	5	2412	14081	6686	2500	
5	Rojhanwali I	Mari Mian shbOtar,	4	1759	9555	4155	1750	
6	Rojhanwali I	Musa Bhoota	3	643	3761	2395	845	
7	Takhat Mahal	Boolay shah Hitar	1	45	257	257	350	
8	Sadiq Pur	BahadarkaHitar,	2	98	437	335	400	
9	Sadiq Pur	Hassanka,	0	0	0	1496	150	
10	Sadiq Pur	BeigkaNoorpur,	2	186	1018	1969	700	
TOTAL			17	5143	29109	28678	6695	
Tehsil Chishtian								
1	Shaheer Fareed	DullahBhedera	1	741	3187	3488	1119	
2	Bakhshan Khan	14/ Fordwah	1	954	2498	2590	1254	
3	Bakhshan Khan	10/ Fordwah	1	420	5412	801	885	
4	Shaheer Fareed	Lunda Bhedera	1	536	3055	937	763	
5	Shaheer Fareed	JevanLakhwera	1	80	1087	780	174	
6	Shaheer Fareed	KotBabal	1	309	1396	1500	521	
7	Mohar Sharif	Fatani	1	1887	9514	2000	2029	
8	Shaheer Fareed	Shahadam Shah	1	225	778	1200	296	
9	Mohar Sharif	Talooka	1	185	1478	1200	147	
10	Mohar Sharif	Karmani	1	166	1176	600	240	
11	Mohar Sharif	Kot Rasheed	1	208	328	900	15	
12	Shaheer Fareed	ThengiBalocha	1	119	974	717	267	
13	Shaheer Fareed	MehtabPur	1	27	376	328	92	
14	Shaheer Fareed	Sonay Khan	1	2	210	230	5	
15	Shaheer Fareed	Gagrera	1	0	0	256	56	
16	Shaheer Fareed	Meer Muhammad	1	0	0	400	62	
17	Shaheer Fareed	Muhammad Shah	1	142	487	947	92	

18	Shaher Fareed	Hassam	1	211	2551	1100	211	
19	Shaher Fareed	Ablooka	1	242	698	1200	93	
20	Mohar Sharif	Jafar Shah	1	3	696	1400	7	
21	Mohar Sharif	EssanLakhwera	1	4	79	200	10	
22	Mohar Sharif	Mohar Sharif	1	3650	10067	2000	4425	
TOTAL			22	10111	46047	24774	12763	
Tehsil Minchinabad								
1	Minchinabad-1	Rehmunka	1	212	1277	400	350	-
2	Minchinabad-1	Kaluka Hittar	1	30	240	75	180	-
3	Minchinabad-1	Kapuri	1	36	25	70	210	-
4	Minchinabad-1	Jhanba	1	28	168	210	250	-
5	Minchinabad-1	Bhai Khan Kharal	1	35	211	100	50	-
6	Minchinabad-1	MamandBalouch	1	20	200	80	40	-
7	Mansoor Deva	Behramka	1	616	3697	390	710	-
8	Mansoor Deva	DadooAhluka	1	329	1976	150	615	-
9	DoulatPur	BhidniLaleka	1	124	992	240	730	-
10	DoulatPur	Pehlwanka	1	35	290	120	510	-
TOTAL			10	1465	9076	1835	3645	-
Total for District Bahawalnagar			49	16719	84232	55287	23103	-

DETAIL OF VILLAGES LIKELY TO BE AFFECTED AT HIGH LEVEL FLOOD
(120,000 CUSECS)
DISTRICT BAHAWALNAGAR

Sr #	Revenue Circle	Name of Chaks/Mouzas	Total No. of Chakooks/Mouzas	Houses (Nos.)	Population (Nos.)	Livestock (Nos.)	Cultivated Area (in Acres)	Remarks
Tehsil Bahawalnagar								
1	Bahawalnagar	Muhammad Pur Shah	3	645	4177	4962	6000	
2	Bahawalnagar	Shera Chitra	2	331	2139	1251	5500	
3	Rojhanwali II	KotLangha	4	272	1648	1563	6500	
4	Rojhanwali II	MomaFatewera	4	361	2207	2155	6000	
5	Rojhanwali II	Qamar Din Bodla	6	321	1937	3568	2500	
6	Rojhanwali II	Jhulan Arian	4	1025	6025	4313	6000	
7	Rojhanwali II	Jhulan Chishti	5	135	683	1230	4500	
8	Rojhanwali I	Peer Shah	2	126	637	1549	5500	
9	Rojhanwali I	ChutaBhukOtar	4	325	1819	1784	6300	
10	Rojhanwali I	Qamar Din Hans	3	1343	7457	4001	6000	
11	Takhat Mahal	Peer SakandarOtar	5	108	635	1954	3800	
12	Takhat Mahal	KhairBodla	4	487	2760	1086	4200	
13	Takhat Mahal	Noor Muhammad Bangran	3	486	2949	1530	5000	
14	Sadiq Pur	Kalia Shah	2	538	3180	3274	7000	
15	Sadiq Pur	Garnaj	6	1508	8971	3914	6500	
16	Sadiq Pur	Musla	5	183	1190	1959	5500	
17	Sadiq Pur	MomkaOtar	4	220	1174	2703	4850	
18	Sadiq Pur	Makeem Shah	2	76	483	2351	6800	
19	Sadiq Pur	Ali Sher	5	1218	2207	3220	5650	
20	Sadiq Pur	AraziQaimaka	2	484	2751	3141	4348	
21	Sadiq Pur	KhaimGahr	3	704	4041	1990	4950	
22	Sadiq Pur	QasimkaOtar	6	1665	9616	2200	4550	
23	Sadiq Pur	MohariOtar	2	230	1275	598	2550	
24	Sadiq Pur	WaraPeeran	4	156	822	873	6550	
TOTAL			67	9992	52650	57169	94548	
Tehsil Chishtian								
1	Bakhshan Khan	11 Fordwah	1	1084	4364	1987	1121	
2	Bakhshan	9/ Fordwah	1	2090	10100	1468	839	

	Khan							
3	Mohar Sharif	Sharif Deh	1	520	2249	1200	994	
4	Mohar Sharif	ChakChopa	1	481	6945	2000	2264	
5	Mohar Sharif	Mehboob Shah	1	170	289	700	45	
6	Shaheer Fareed	Menghera Sharif	1	550	2419	8000	133	
7	Shaheer Fareed	Rehman Shah	1	89	283	440	271	
Total			7	4984	26649	15795	5667	
Tehsil Minchinabad								
1	Minchinabad-1	BilaramamandBalouch	1	174	1045	600	330	-
2	Minchinabad-1	Nabi BakhshMiana	1	102	615	200	160	-
3	Minchinabad-1	Alam Khan	1	49	299	250	210	-
4	Minchinabad-1	DilawarJassuka	1	93	563	300	180	-
5	Minchinabad-1	ShamunJassuka	1	94	565	150	230	-
6	DoulatPur	Laleka	1	40	398	170	430	-
TOTAL			6	552	3485	1670	1540	-
Total for District Bahawalnagar			80	15528	82784	74634	101755	-

**DETAIL OF VILLAGES LIKELY TO BE AFFECTED AT VERY HIGH LEVEL FLOOD
(175,000 CUSECS)
DISTRICT BAHAWALNAGAR**

Sr. #	Revenue Circle	Name of Chaks/Mouzas	Total No. of Chakooks/Mouzajats	Houses (Nos.)	Population (Nos.)	Livestock (Nos.)	Cultivated Area (in Acres)	Remarks
Tehsil Bahawalnagar								
1	Bahawalnagar	Shadi Wala	2	267	1704	1157	900	
	Bahawalnagar	Anokh Singh	3	239	1557	1177	1100	
2	Bahawalnagar	Shera Bagh ban otar	3	406	4221	527	850	
3	Rojhanwali II	Ramzan Langh	3	232	1125	735	1152	
4	Rojhanwali II	Kot Makhdoom	2	673	475	3264	980	
5	Rojhanwali I	Matran	2	501	2670	1728	1400	
6	Rojhanwali I	Mehmood Nagar	2	332	1962	752	1443	
7	Rojhanwali I	Nadar Shah	1	456	2785	1132	1500	
8	Takhat Mahal	AkukaOtard	1	299	1672	506	957	
9	Takhat Mahal	Tukra Akuka	1	371	2224	2362	845	
10	Takhat Mahal	Ali Gohar	2	324	2385	2401	2244	
11	Takhat Mahal	WalaytPur	2	221	1191	1329	780	
12	Takhat Mahal	Phoogan	2	345	1883	1342	987	
13	Sadiq Pur	Makana Rajy ka	1	268	1715	840	1780	
14	Sadiq Pur	QasimkaOtard	5	1665	9616	2200	3744	
15	Sadiq Pur	Sadiq Nagar	2	1567	8519	5416	1650	
16	Sadiq Pur	WaraPeeran	1	1218	7502	873	2500	
TOTAL			24	8240	44599	27741	20810	
Tehsil Chishtian								
1	Shaher Fareed	Abdul Rehman	1	70	203	140	10	
2	Shaher Fareed	Ashiq Muhammad	1	209	1029	2005	11	
3	Shaher Fareed	Jaman Shah	1	88	496	207	13	
4	Shaher Fareed	Rath	1	102	487	740	82	
5	Shaher Fareed	Gul Shah	1	0	0	137	10	
6	Mohar Sharif	Ilyas	1	72	640	326	94	
7	Mohar Sharif	Noora Arain	1	221	692	192	56	
8	Mohar Sharif	Muqem Shah	1	103	382	398	5	
9	Mohar Sharif	Mohar Sharif	1	1356	10269	2000	3421	
TOTAL			9	2221	14198	6145	3702	
Tehsil Minchinabad								
1	Chabiana	Bunga Akbar Mari Nehal	1	40	240	209	815	-
2	Chabiana	Fidai Shah	1	50	400	70	150	-
3	Chabiana	Bunga	1	211	1688	170	210	-

		Balouchan						
4	Chabiana	BachianWali	1	552	5324	331	840	-
5	Ahmad Pur Macleod Gunj	Ahmad Gadhuka	1	165	320	165	800	-
6	DoulatPur	Haider Dhudhi	1	16	168	40	310	-
TOTAL			6	1034	8140	985	3125	-
Total for District Bahawalnagar			39	11495	66937	34871	27637	-

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

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name And Contact No Of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	BHU Shaffiabad BWN	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall
2	BHU Ram Pura BWN	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall
3	BHU Jhedoan CTN	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall
4	BHU Mangher sharif CTN	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall
5	BHU 331/HR FTS	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall
6	BHU 297/HR FTS	--	Primary	Dr. Amir Raza, DHO (PS), DHA Bahawalnagar. 03007928767	Earthquake; Heavy Rainfall

ANNEX-IV:**LIST OF 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 PurRateka
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 Khaibodla
5	Govt High School Qasim ka
6	Health Center Kalia Shah

Tehsil Chishtian: (07 Camps)

Sr. No.	Relief Camp Name
1	RHC Shaher Farid
2	Govt. Primary School 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 V:**LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS**

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GPS KhaiBodla (No school exists in moza pir skindarotar)	school		154	Allah ditta	0306-970530
2	GPS MomekaHitar (PSSP)	School		98	Amanat Ali	3007581526
3	GPS GhousPur	School		91	Muhammad Munawar Saeed	0300-7581532
4	GPS GhousPur (No school exists at MozaKakukaBolda)	school		91	Muhammad Munawar Saeed	0300-7581532
5	GPS Muhammad Yar Hans	school		223	Gohar Ali	0300-7928343
6	GPS Toghera Sharif	School		64	Muhammad Abdul Razzaq	0307-2274298
7	GPS MamonkaHitar	School		98	Muhammad Akram	0302 6141564
8	GES BillukaHitar (Bhadar ka Otar is attached moza of BillukaHitar)	school		411	Allah Rakha Sajjad	0301-5665759
9	GPS Haidar Shah	school		188	Muhammad Hasan	3437403534
10	GPS Rajeka (PSSP)	School		59	Muhammad Sajid	0321-4034640
11	GPS Toghera Sharif (PSSP) (No school exists at MozaAbrarahhotar)	School		64	Muhammad Yasin	3225050614
12	GPS Akuka	school		100	Sheikh Muhammad Abdullah	0300-7921884
13	GPS KotLangah	school		72	Irshad Ali	0305-7368599
14	GHS Mari Mian Shb	School		489	Muhammad Liaqat	3017899758
15	GES BillukaHitar	School		411	Allah Rakha Sajjad	0301-5665759
16	GPS Jhodeka East	school		32	Muhammad Jahangir	0300-4031351
17	GPS Rajeka (PSSP)	school		59	Muhammad Sajid	0321-4034640
18	gpsfatverahithar	School		126	M Arshad	3083838380
19	GPS GhousPur (No school exists at MozaBalarasaddarud din)	School		91	Muhammad Munawar Saeed	0300-7581532
20	GPS GhousPur	school		91	Muhammad Munawar Saeed	0300-7581532
21	GHS Qasimka (Said high school located near akukaotar)	school		602	Sajjad Hussain	3075358378

22	GPS Bonga ahsanbibi	School			Tariq Mehmood	0306-9259737
23	GPS Pir Shah(There is no School exists at BhorikaMoza, Pir Shah is attached area)	School			Ahmad Hassan	0306-8037388
24	GHS Qasimka	school		602	Sajjad Hussain	3075358378
25	GHS Saneka	school		329	Muhammad Fayyaz	3007927530
26	GPS MomekaHitar (PSSP) (no school exists at mozaBilaraQasimka)	School		98	Amanat Ali	3007581526
27	GES Chaveka	School		168	Naeem Ahmad	3067860744
28	GPS NoorpurArazi	school		238	Muhammad Sabir	0300-6465600
29	GPS AakukaHitar	school		100	Muhammad Muddassar	0303-9462646
30	GPS Ghani Pura	School		52	Nazeer Ahmad	0322-6931309
31	GPS AakukaHitar	School		100	Muhammad Muddassar	0303-9462646
32	GPS Toghera Sharif (PSSP)	school		64	Muhammad Yasin	3225050614
33	GHS Mari Mian Shb	school		489	Muhammad Liaqat	3017899758
34	GPS Kalia Shah (No school exists at moza Musla)	School		179	UmerHayyat Khan	0300-7094445
35	GPS Begoka Noorpur	School		132	Abdul Ghaffar	0304-8111582
36	GP/S MerouBlouch	school			AYAZ AHMAD PST	0300-7546225
37	GP/S Kora Bhotna	school		92	HAFIZ NOOR SUMAD PST	0300-8393975
38	GGPS Basti Mian Rajay Khan Gujar	School		44	Shumaila Iqbal	3060642528
39	GES SheliGharbi	School		242	Riaz Ahmad	0300-9835818
40	GPS Chah Muhammad Azam	school		107	M.FIAZ ESE	0300-2250443
41	GES Dullah Bhudera	school		103	SHAHZAD ZAFAR SESE	0300-8141684
42	GES Chak No.4/G	School		166	ZEESHAN BAIG	0334-8232364
43	GPS Tanaza	School		169	GULAB ALI	0302-4583650
44	GPS Jhedwan	school		211	MUHAMMAD AZAM	0302-7913500
45	GPS Mazeed Shah	school		209	MANZOOR AHMED	0301-6595155
46	GES Mehta Jhedu	School		440	SYED MEHBBOB ALI SHAH	0302-7548353
47	GPS Meran Khan	School		107	MUMTAZ AHMAD PST	0315-6153808
48	GMMS Basti Hassam	school		100	ALLAH DITA	0306-9717716
49	GPS Bonga Blochian	school		191	TAHIR MAQBOOL	3336342165 3336342165 3076591803
50	GPS Bhakerian	School		129	M. ASIM PST	0304-0593121
51	GPS Nooran Balouchan	School		90	M.RAFIQUE PST	0302-7549936

52	GPS SHARIF DEH	school		236	ALLAH DITTA (PST)	0301-7915513
53	GP/S Kamiran	school		215	MAZHAR AHMAD PST	0306-7987544
54	GP/S Kamiran	School		215	MAZHAR AHMAD PST	0306-7987544
55	GP/S Kamiran	School		215	MAZHAR AHMAD PST	0306-7987544
56	GPS Kalia Shah	school		179	UmerHayyat Khan	0300-7094445
57	GES BASTI SODA	school		312	GHULAM MUSTAFA (SST)	0307-7938092
58	GES Khair Shah Ottar	School		401	RASHEED AHMED	03331630681
59	GES Bachianwali	School		437	Sajid Lodhi	03138707579
60	GPS Bhindi Laleka	school		284	Allah Ditta	3048254297
61	GPS Bhatta	school		178	Muhammad Azam	3336378367
62	GPS LalekaHithar	school		104	M.Yaseen Bhatti	3068638483
63	GPS Bhulluka	School		195	Muhammad Ahmed Shakir	3006340416
64	GPS MathelaQaimka	School		197	Zahoor Ahmad	3427423818
65	GPS Dona Qutab Saru	school		90	Muhammad Asif	3024306632
66	Gps Dona JewanSaru. Gps Basti Sulemanki	school		59	Muhammad Riaz. Muhammad Khalil	3338498938. 03007216940
67	GES Lala Amar Singh	School		239	M Tariq and Muhammad	3336326840
68	GES Lala Amar Singh	School		239	M Tariq &Munsha	Tariq 3336326840 Munsha 03317915850
69	GPS Bhondi	school		118	Shabir Hussain	3334778236
70	GPS Dona JevanSarho	school		59	M.Aqeel	923336409546
71	GPS Pehlwanaka	School		66	GHULAM RASOOL	03011435606
72	GGPS WaziraGhadhoka	School		46	Saima Batool	3321475224
73	GPS Bheni Bakshya	school		26	Kamran manzoor	923057932155
74	GPS NosheraJangalRakh	school		97	GHULAM RASOOL	3066598160
75	GPS Dadu Ahloka	school		79	SHAMIR AHMAD	3067980245
76	GPS Dilawar Jassoka	School		24	Khuramshahzad	3217016038
77	GPS Dilawar Jassoka	School		24	Khuramshahzad	3217016038
78	GHS Peer Khalis	school		231	Rasheed Ahmed	3336409753
79	GPS Dilawar Jassoka	school		24	Khuramshahzad	3217016038
80	GGHS Rehmoonka	School		149	Aneela Riaz	3048069489
81	GPS Rehmoka	School		84	Muhammad Iqbal	3332037779
82	GPS Mahram China	school		139	M.Zia Ur Rehman	3087812716
83	GPS Mahram China	school		139	M.Zia Ur Rehman	3087812716

84	GPS Rehmoka	School		84	Muhammad Iqbal	3332037779
85	GES Ratteka	School		316	Muhammad Sarwar	3349870962
86	GPS Dilawar Jassoka	school		24	Khuramshahzad	3217016038
87	GPS Ahmad Pur Gadhoka	school		247	Abdul Ghafar	3337727401
88	GPS Mahram China	school		139	M.Zia Ur Rehman	3087812716
89	GPS Ahmad Pur Gadhoka	School		247	Abdul Ghafar	3337727401
90	GES Mari Nehal	School		227	MUHAMMAD NAWAZ	03037042683
91	GPS Mehmand Baloch	school		81	Muhammad Khan	3089044216
92	GES Ratteka	school		316	Muhammad Sarwar	3349870962
93	GHS Hasil Sarhu	School		463	Mansoor Ahmad	3334586403
94	GPS Dilawar Jassoka	School		24	Khuramshahzad	3217016038
95	GPS Bhondi,	school		118	Shabir Hussain	3334778236
96	GES Ratteka	school		316	Muhammad Sarwar	3349870962
97	GES Mari Nehal	School		227	MUHAMMAD NAWAZ	03037042683
98	GPS Dilawar Jassoka	School		24	Khuram shahzad	3217016038

ANNEX VI:**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 ZUmar Din Rice Mill	Cotton Colony Road, near Forest Bahawalnagar	-	Chemical	Muhammad Ahmed S/o Haji Zamurad Din 030079217 28	Low	No
3	Matyana paper mill	4 FordwahChishtian	-	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 030079290 00	Low	No
8	Nanoon Din Rice Mills	Munirabad Chishtian Road Bahawalnagar		Chemical	Muhammad Ayyaz	High	Yes
9	Queta Rice Mills	Girls College Road Bwn		Chemical	Zahid	High	Yes
11	Diamond Rice Mills	Arifwala Road Bwn		Chemical	Ch Tariq	Medium	No
12	National Rice Mill	College Road Bwn		Chemical	Haji Akhtar	Medium	No
13	Millat Rice Mills	College Road Mauza Amar Singh Bwn		Chemical	Haji Asghar	Medium	No
14	New Bahawalnagar Rice Mills	Near Model Town Bwn		Chemical	Ch. Rashid	Medium	No
15	M/S Talat Mahmood Rice Mill	MANDI SADIQ GANJ MINCHINABAD.		Chemical		Medium	No
16	Al-Habib Ice Factory	Basti Qadirabad Mauza Pogal Tehsile Minchinabad Distt.		Chemical	Haseeb Ullah	High	

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
		Bahawalnagar					
17	Wattoo Ice Factory	Near adda Pul Bareka Tehsil Minchinabad Distt. Bahawalnagar.		Chemical	Rasheed Ahmad	High	Yes
18	Wattoo Ice Factory	Near Sabaz Mandi Mecload Gunj Tehsil Minchinabad Distt. B/Nagar		Chemical	Muhammad Saleem	High	Yes
19	Sanabal Ice Factory	Adda Feeder Main Highway Road Tehsil Minchinabad Distt. B/nagar		Chemical	Abdul Maalik	High	Yes
20	Malik (Toor) Ice Factory	Education Town/Ismaeel City Near Ghullah Mandi Minchinabad		Chemical	Muhammad Saeed	High	Yes
21	Joyia Ice Factory	Railway Road Tehsil Minchinabad Distt. B/nagar		Chemical	Mian Habib	High	Yes
22	Bismillah Ice Factory	Chak Said Ali Tehsil Minchinabad Distt. B/nagar		Chemical	Muhammad Asif	High	Yes
23	Chaudhary Ice Factory	Near Adda Mohlan Wala Ghala Main Highway Road Tehsil Minchinabad Distt. B/nagar		Chemical	Ch. Muhammad Aslam	High	Yes
24	Jutt Ice Factory	Peer Ghar Chishti Mc Leod Gunj Tehsil Minchinabad Distt. B/Nagar		Chemical	Abdul Ghaffar	High	Yes

ANNEX VII:**LIST OF NGOS WORKING IN THE DISTRICT**

Sr. #	Name of NGO	Name of President/ General Secretary	Contact #	Registration # and Date	Area of Operation	Field of Services
Tehsil Minchinabad						
1	Abid Welfare Organization	Allah Dittah Abid	0300-4591897	DO(SW)06/29 31-01-2006	Tehsil Level	Education
2	Ijtamai Tarqaiti Council	M.Asif Paracha	0300-8625724	DSW(PB)79-1329 07-071979	//	Education
3	Liberal Welfare Foundation	M.Muneer	0334-7685716	DO(SW)BWN /05/2005 15-03-2005	//	School & Religious Education
4	Taunsvi Welfare Organization	Maqbool Ahmad	0301-7782944	DO(SW)BWN /06/37 14-06-2006	//	Industrial Education
5	Human Rights Protection Organization	M.Sohail	0300-7926418	DO(SW)BWN /59/2011 D/-7/4/2011	District Level	Human Rights
6	Human Welfare Organization	M.Tayyab	0300-7922513	DO(SW)BWN /2008/47 26-04-2008	Tehsil Level	Health
7	Patient Welfare Society. THQ Hospital, Minchinabad	M.Faazil Khan	0300-8920675	DD-SW(BD)85/77 D/- 27-03-1985	//	Health
Dahranwala Chishtian						
8	Anjuman Falah e Moashra Chak 170/M	Ghulam Mustafa Sajid, President M. Tahir G. Secretary	0302-3937678 0300- 2018170	AD-SW(MR)8-71 Dated 31-8-1971	Rural Level	1. Industrial Center 2. Religious Education 3. Beauty Parlor
9	Anjuman Samaji Behbood Chak 95/F	M. Farooq President M. Aslam G. Secretary	0303-7194395 0307-4996366	DD-SW(BD)85/86 dated 13-11-1985	Rural Level	1. Industrial Center 2. Religious Education
10	Anjuman Samaji Behbood Chak 207/M	M. Izhar ul Haq President, Abdul Ghaffar G. Secretary	0344-7268088 0305-1848207	DD-SW(BD)82/09 dated 19-01-1982	Rural Level	. Industrial Center 2. Religious Education 3. Khaiwan Public Schol
11	Adam Jee Welfare Society Dahranwala	M. Shafi President, Ghulam Nabi G. Secretary	0306-4993350 0306-6980446	DO-SW(BWN) 2013/67 Dated 03-01-2013	Tehsil Chishtian	1. Industrial Center 2. Free Treatment of Patients 3. Blood Donation
12	Unique	M. Shoaib	0300-2019162	DO-SW(BWN)	Markaz	Education

	Welfare Organization Dahranwala	Bashir President, M. Abid Hussain G. Secretary	0302-4634170	02/08 Dated 123-11-20023	Dahranwala	
Tehsil Chishtian						
13	Sir Syed Welfare society.	Hameed Ahmad Siddique	0332 2502670	DSW/824 Dated: 17-11-1996	District BWN	Education , Religious education
14	Mumtaz Welfare Society.	Tariq Nadeem President	03234864444	DDSW(BD)82/24 Dated . 20-02-1982	District	None Farmal Education PWP Center
15	Social Welfare Society Chak No.46/F	Waseem Luqman President	03006980758	DDSW(BD)85/98 Dated. 13-11-1985	Tehsil Chishtian	Nil
16	Anjuman Samaji Behbood Chak No.54/F	Muhamma d Amin President	0032170598	DDSW(BD)91/163 Dated. 21-7-1991	Rural Level	Nil
17	Anjuman Fridia Falah-o-Behbood	M. Idreed Akram President	300 8035429	DDSW(BD)92/199	Tehsil Chishtian	None Farmal Education
18	Al-Badar Welfare Society	M. Pervez Ajmal President	0300 7547221	DDSW(BD)92/205 Dated. 12-4-1992	District, Bwn	Education , Religious education
19	Dr. Muhammad Khan Welfare Trust. Bukshan khan	Farooq Salman Khan President	0300 9492067	DDSW(BD)92/209 Dated. 29-4-1992	Bukshan khan.	Education PWP Center
20	Al-Tayyab Welfare Society Chak No.28/g	M. Younas President	0331 7813628	DDSW(BD)93/257 Dated. 25-11-1993	Chak No.28/ g, 27/g	Education
21	Jammiat-ul-Abbasia Welfare Society.	Dr. M. Akram President	0302 7914426	DDSW(BD)95/319 Dated. 22-11-1995	Tehsil Ctn	Health
22	Zafar Memorial Welfare Society.	Muhamma d Zafar President	0300 7923738	DDSW(BD)95/320 Dated. 23-11-1995	Tehsil Ctn	Help to poor
23	Pakistan Association of the Blind.	Ghulam Murtaza	333 6347698	DDSW(BD)96/337 Dated. 26-5-1996	District Bwn	Special Education
24	Islamic Welfare Society.	Shafique Ahmad President	0300 7545753	DDSW(BD)97/356 Dated. 14-5-1997	District Bwn	Religious education
25	Sultan Memorial Welfare Society.	Farooq Sultan President	0300 6989254	DDSW(BD)98/369 Dated. 20-4-1998	Tehsil CTN	None Farmal School, Education
26	Satluj Welfare Society.	Shahid Nadeem President	0300 8675330	DDSW(BD)98/379 Dated. 8-8-1998	District Bwn	PWP Ceenter
27	Khawaja Welfare Trust.	Khawaja M. Arshad President	0321 7002005	DOSW(BN)02/01 Dated. 1-2-2002	Tehsil CTN	Ambulance services ,
28	Chishtia Welfare Society.	Abdul Basit G. Sec.	0307 6568858	DO(SW)BWN/02/06	Tehsil CTN	Help to poor

				Dated. 13-8-2002		
29	HOPE Chishtian	Abdul Razzaq G. Sec.	0336 7101524	DO(SW)BWN/04/18 Dated. 14-9-2004	Tehsil CTN	Nil
30	HELP Chishtian	Shrjeel G. Sec	3008641223	DO(SW)BWN/05/22 Dated. 26-3-2005	Tehsil CTN	Help to needy persons
31	Matyana Welfare Society.	Tariq Zahoor Matiana President	03013005998	DO(SW)BWN/05/27 Dated. 15-11-2005	Tehsil CTN	Religious Education
32	Arqam Foundation. Chak No. 4/Fw	Qari M. Yaqoob President	03067987540	DO(SW)BWN/06/32 Dated. 15-4-2006	Tehsil CTN	Religious Education, Farmal education
33	Quaid-e-azam Welfare Society Bukshan Khan	Malik Ghulam Sajjad President	3007957570	DO(SW)BWN/20/06/38 Dated. 14-6-2006	Tehsil CTN	Industrial Center,
34	Al-Rehmat Welfare Society. Chak No. 4/FW	Abdul Ghafoor President	0300 7549293	DO(SW)BWN/07/42 Dated. 10-5-2007	Tehsil CTN	Help to poor
35	Ittehad Welfare Society.	M. Asghar President	0300 7541792	DO(SW)BWN/20/08/49 Dated. 1-12-2008	Tehsil CTN	Labar Welfare
36	Villages Development Foundation.	Naseem Rafeq	3367544879	DOSW(BWN) 61 Dated. 16-9-2011	Tehsil CTN	Nil
37	Human Rights Protection Association.	Syed Nadeem Haider G. Sec.	3007541789	DOSW(BWN)/69 Dated. 22-4-2013	Tehsil CTN	Nil
38	Ittefaq Development Organization	Zia ur Rehman President	3006985641	DOSW (BWN) 05/28 dated 15-11-2005	Tehsil Level	Nil
39	Women Development Organization, Noor pura Chishtian.	Khalida Maqsood	0300 7545882	DOSW(BWN)02/04 Dated. 07-05-2002	District Bwn	Nil
40	Millat Welfare Foundation, 37/g block, Chishtian.	Warda Rafeq	3358637777	DOSW(BWN) 02/11 Dated. 25-11-2002	District Bwn	Health Free Dispensary , Libarty
41	Patients Welfare Society (Reg) THQ Hospital Chishtian	M. Abid Javed President, Shafique Akhtar G. Secretary	0333-9772501 0300-6982300	DD-SW(BWN) 05/25 Dated 2005	Tehsil Chishtian	Free medicine, free test & blood donation to deserving patients
Tehsil Bahawalnagar						
43	Sawaira Welfare Foundation Welfare	Malik Shahid Anwr President.	03006840399	DOSW(BWN) 14/76	Tehsil Level	Social Education
44	Iris Welfare Foundation	Dr. Saleem ullah Joyia President	03007580400	DOSW(BWN) 13/72	Tehsil Level	Health, Charity, Social Education
45	Life Care And Welfare Organization	M. Deen, President	03003747648	DOSW(BWN) 12/66	Tehsil Level	Free Health Camp
46	Al-Shifa Welfare	Ch.	03457052400	DOSW(BWN)	Tehsil Level	Women Welfare, Health

	Foundation	Ghulam Nabi President		07/41		
47	Ujala Foundation	Irfan Ahmad Pre. Mansoor Akhtar G.Sec.	03014387249	DOSW(BWN) 09/52	Tehsil Level	Social Education
48	Voice of Humanity Development	Nayla Ashraf Pre. Sana Jameel G.Sec.	03046714300	DOSW(BWN) 06/39	Tehsil Level	Women Welfare, Education
49	Al-Khair Welfare Organization	Meharunni sa javed Pre. Nadia Kamran G.Sec	3017688334	DOSW(BWN) 05/23	Tehsil Level	Education, Women Welfare, Social Education
50	Millat Welfare Society	Amir Noor Pre.	3007926562	DOSW(BWN) 04/17	Tehsil Level	Women Welfare, Education
51	Great Organization	Shaikh Asgar Ali Pre. Raof G.Sec	3347037273	DOSW(BWN) 04/16	Tehsil Level	Women Welfare, Social Education
52	Jameet-ul-Abbasia Welare Society	M.Din Rafiqi Pre. M.Tariq Yousaf G.sec	3007921248	DDSW(BD) 92/96	Tehsil Level	Social Education, Charity
53	Sami-ullah Education & welfare Association	Noor Samand Pre. Munir Ahmad G.Sec	632277665	DDSW(BD) 91/164	Tehsil Level	Education, Charity
54	Dehi Samaji Traqayati Council Moosa Bhota	Mubashar-ul-Hasan Pre. Zafar Iqbal G. Sec	3007925105	DDSW(BD) 87/114	Tehsil Level	Health, Chairity
55	Anjuman Samaji Behbood Madni Colony	Anees-u-Rehman Pre. Riaz Ahmad Abbasi G.Sec	3007927212	DSW(PB) 81/1553	Tehsil Level	Social Education
56	Sardar Mamoreal welfare foundation	Dr. Muhammad Mushtaq, President	3009550682	DSW(PB) 80/1398	Tehsil Level	Health, Clean & Green Pakistan
57	Ford wah Ijtemai Traqeyati Council	Shaikh Asgar Ali Pre. Abdul Raof G.Sec	3347037273	DSW(PB) 69/835	Tehsil Level	Women Welfare
58	Education valley Development orgnaization	Wasif Ayub Pre. Ayesha Batool G.Sec	3334672999	DDSW(BD) 95/314	Tehsil Level	Education, Women Welfare, Charity

59	Women Welfare Society	Matloob Nasir pre. Rana M. Adnan G.Sec	3327024932	DDSW(BD) 95/318	Tehsil Level	Drug Abuse, Health, Chairity
60	Bahawalnagar Education Foundation	Deputy Commissioner Administrator	639240201	DDSW(BD) 01/388	Tehsil Level	Education
61	Rasta Foundation	Mrs. Rozina Iqbal, President	3056317227	DOSW(BWN) 02/03	Tehsil Level	Education, Social Education
62	Irada Development Organization	M.Din rafiqi Pre. Liaqat Ali G.Sec	3007921248	DOSW(BWN) 02/07	Tehsil Level	Education, Health, Social Education
63	Loak Punchayat	Ghulam Hussain Bodla Pre. Noor Ali Khan G.Sec	3346061010	DOSW(BWN) 02/09	Tehsil Level	Women Welfare, Social Education
64	Human Rights Welfare Foundation	Rao. M. Zubair President	3336300744	DOSW(BWN)10/56 Dated: 16.02.2010	Tehsil Level	Women Welfare
65	Anjuman Behbood-e-Aseeran, District Jail, Bahawalnagar	Ghulam Hussain Bodla Pre. Arshad Khan G.Sec	3346061010	DOSW(BWN) 06/40	Tehsil Level	Legal aid & Help to Prisoners (Women, Children)
66	Patient Welfare Society, DHQ Hospital,	Ch. Ghulam Nabi President	3457052400	DSW-(Pb) 77/1036	Tehsil Level	To provide health facility to the poor patients
Tehsil Haroonabad						
67	Anjuman Islah e Moashra Chak 38/3-R	Hafiz Muhammad Shahid	0300-6985238	AD-SW(MR)33/72 Date 21-07-1972	Village	Women & Child Welfare
68	Vital Welfare Foundation Bahawalnagar Haroonabad	Dr. Muhammad Sarwar	0321-7352929	DSW(PB)77/1095 Date 01-12-1977	District	Treatment, Daster khah, Student Welfare
69	Alflah Welfare Council Faqeerwali	Haji Saeed Iqbal	0300-6979184	DD-SW(BD)88/188 Date 29-06-1988	Merkaz	Women welfare
70	Jinnah Welfare Society Faqeerwali	Muhammad Tariq Shahid	0346-7544208	DD-SW(BD)91/161 Date 20-07-1991	Merkaz	Women welfare & Help of Poor
71	Faisal Welfare Society Chak 93/6R	Rizwan Rasheed	09344-5870393	DD-SW(BD)91/183 Date 11-11-1991	Union Council	Women& public welfare
72	Ahjuman Flah e Moashra Chak 56/4R	Sufi Zahoor Ahmad	0344-7047956	DD-SW(BD)91/185 Date 11-11-1991	Union Council	Women welfare & Religious Education
73	Hatif Welfare Society Haroonabad	Muhammad Khawar	0333-6315858	DD-SW(BD)92/211 Date 07-05-1992	Tehsil	Women & Patient Welfare, Public Awareness
74	Soch Welfare Foundation Haroonabad	Rao Ghulam Mahiuddin	0300-6950373	DOSW(BWN)02/02 date 04-02-2002	Tehsil	Women Welfare, Tree Plantation & Public Awareness
75	Young Stars Welfare Society Haroonabad	Pervez Iqbal	0345-6993535	DOSW(BWN)02/05 date 17-06-2002	Tehsil	Women & youth welfare

76	Majid Foundation Haroonabad	Muhamma d Arshad Chisti	0333-3849898	DOSW(BWN)03/13 date 13-05-2003	District	Women welfare & Health
77	Ali Welfare Society Chak 100/6R	Muhamma d Aftab Hussain	0346-7558091	DOSW(BWN)05/24 date 14-07-2005	Tehsil	Women Welfar
78	Chorahi Welfare Society Chak 164/7R	Muhamma d Asim Shareef	0345-7064264	DOSW(BWN)08/46 date 18-03-2008	Tehsil	Women & student Welfare
79	Human Unity nfor learning and liberty Organization Faquirwali	Ibrahim Shah Bilal	0336-300600	DOSW(BWN)09/53 date 18-11-2011	Tehsil	Women Welfare & Tree Plantation
80	Sardaran Saddique Welfare Foundation	Javed Akhtar	0332-6208788	DOSW(BWN)/65 date 18-08-2009	Tehsil	Patient Welfare
81	Thafuz Welfare Foundation Vital House Haroonabad	Akhtar Javed	0333-6312137	DOSW(BWN)/74 date 19-08-2013	Tehsil	Public welfare
82	Ibrahim Welfare Foundation chak 69/4-R	M.Akraam Javeed	0345-7052169	DOSW(BWN)/77 date 19-08-2013	Tehsil	Patient Welfare
83	The Vision Education Foundation Haroonabad	Muhamma d Shahbaz	3026986143	DOSW(BWN)09/53	Tehsil Level	Education
84	Anjuman Falah-e- Marizan wa Moashra, Haroonabad	Haji Saeed Ahmed	0334-7050537	No.DDSW(BD)8 2/47	Tehsil Level	Help to the Poor Patients
67	Anjuman Islah e Moashra Chak 38/3-R	Hafiz Muhamma d Shahid	0300-6985238	AD-SW(MR)33/72 Date 21-07-1972	Village	Women & Child Welfare
Tehsil Fortabbas						
85	Rural Ladies Social Development Society 338/HR Maroot	Majeedan Bibi	3064083149	DO(SW)BWN/08 /30	Tehsil Level	Women Welfare
86	Women Welfare Development Soceity Fortabbas	Safia Begum	0301-7689824	DO(SW)BWN/03 /15	Tehsil Level	Women Welfare, Child Welfare
87	Social Welfare Council Khichiwala	Yousaf Ali Kanwal	0345-6852400	DO(SW)BWN/03 /14	District Level	Women Welfare, Education
88	Anjuman Samaji Behbood, Chak 306/HR	Fazal Abbas	3003765617	DO(SW)BWN/85 /97	Tehsil Level	Women Welfare
89	Anjuman Samaji Behbood, Basti Pholra	M. Saleem Zahid	3007729088	DO(SW)BWN/82 /30	Local Level	Women Welfare
90	Bright Social Welfare Council 234/9.R	M. Saleem Zahid	3007729088	DO(SW)BWN/06 /31	Local Level	Women Welfare
91	Refah-e- Aama Council Chak 273HR	Nadeem Zafar	3007587819	DO(SW)BWN/10 /07	Local Level	Women Welfare
92	Patient & Child Welfare Association, THQH Fortabbas	Muhamma d Naeem Abbas	3007581043	AD-SW(MR)25/72 Dated 18-06-1972	Tehsil Level	To provide health facility to the Poor patients

85	Rural Ladies Social Development Society 338/HR Maroot	Majeedan Bibi	3064083149	DO(SW)BWN/08/30	Tehsil Level	Women Welfare
86	Women Welfare Development Society Fortabbas	Safia Begum	0301-7689824	DO(SW)BWN/03/15	Tehsil Level	Women Welfare, Child Welfare

ANNEX VIII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1.	Focal Person for Disaster Management	Muhammad Asad	063-9240306	--	0300-7921744
2.	Commissioner	Musarat Jabeen	062-9250061-62	--	041-0922057
3.	RPO	Rai Babar Saeed	062-9250354	--	0309-7771612
4.	DC	Zulfiqar Ahmad Bhoon	063-9240201	063-9240203	0304-0920084
5.	DPO	M. Kamran	9240055-051	063-9240066	0304-0929100
6.	ADC Revenue	Jam Aftab Ahmad	063-9240209		0300-4239717
7.	ADC General / Focal Person DEOC	Zahoor Hussain	063-9240205		0300-7304237
8.	DEO Rescue 1122	Rao Sharafat Ali	063-9240174	--	0302-4219300
9.	DO Civil Defence	M. Arshad Sindho	063-9240096	--	0304-7577241
10.	SNA	Mrs. Imama Goshi	063-9240296	--	0333-2728458
11.	AC – Bahawalnagar	Nouman Ahmad	063-9240212		0313-6574674
12.	AC – Chishtian	Sajid Iqbal	063-2504516	--	0301-7943230
13.	AC –Haroon abad	Abdul Hafeez	063-2253624	--	0334-9729433
14.	AC –Fortabbas	Arij Ali Haider	063-2510531	--	0323-4008797
15.	AC -Minchinabad	Nishtar Rehman	063-2750505	--	0322-4968895
16.	Tehsildar Bahawalnagar	Tahir Husnain Shah	--	--	0300-7280682
17.	Tehsildar Chishtian	Taqi Ahmad Shah	--	--	0300-6999529
18.	Tehsildar Haroonabad	M. Nadim	--	--	0300-8973323
19.	Tehsildar Fortabbas	Irfan Khalid	--	--	0345-5768166
20.	Tehsildar Minchinabad	Kanwar Ayan	--	--	0320-0481510
21.	Chief Officer –MC Bahawalnagar	Sana Ullah	063-9240150	--	0300-0833744
22.	Chief Officer – MC, Chishtian	Arshad Tatla	063-2503297	--	0300-6989786
23.	Chief Officer – MC, Haroonabad	Miss Anila	063-2250883	--	0304-1573118
24.	Chief Officer – MC, Fortabbas	Rana Ijaz Ahmad	063-2511625	--	0323-8412135
25.	Chief Officer – MC, Minchinabad	Rashid Aziz Ghazanvi	063-2751000	--	0301-7923921

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
26.	CEO Education	Dr. M. Ishaq	063-9240181	--	0301-7243973
27.	SE Irrigation	Imtiaz Akbar Bhatti	063-9240226	--	0309-7219090
28.	XEN Hakra Division	Fahim Farid	--	--	0320-4101301
29.	XEN Sadqia Division	Muhammad Kashif	--	--	0302-23755144
30.	XEN Fordwah Division	Mubashir Ali	--	--	0344-4296669
31.	XEN Malik Division	Saddam Hussain	--	--	0300-4568674
32.	XEN Drainage Development	M. Qasim	--	--	0323-4566538
33.	XEN Buildings	Saif Ullah	063-9240085	063-9240163	0301-6595774
34.	XEN Highways	Rafiq Joiya	063-9240163	063-9240085	0348-1640868
35.	DO Agriculture	Dr. M. Ashfaq	063-9240124	--	0301-7770752
36.	CEO Health	Dr. Muhammad Iqbal	063-9240141	063-9239083	0304-0925290
37.	DMO (Additional Charge)	Nouman Ahmad	063-9240290	--	0313-6574674
38.	Incharge DHQ Hospital	Dr. M. Shoukat	063-9240141	063-9239083	0335-6100610
39.	A.D (Livestock)	Dr. Umar Iqbal	063-9240126	--	0304-9506420
40.	DD (LG&CD)	Imran Rafiq Joiya	--	--	0333-4043383

ANNEX VIII-B

LIST OF SWIMMERS/DIVERS

SR.#	NAME	FATHER NAME	RANK	CONTACT NO.
01	Safdar Ali	Ghulam Nabi	SC	0334-9975379
02	Rizwan Abbas	Syed Muhammad Hussain	SC	0333-6305660
03	Mohammad Azam	Mohammad Hassan	LFR	0314-3141491
04	Muhammad Amir	Muhammad Yousf	FR	0302-5491160
05	Sharafar Ali	Ahmad Yar	FR	0300-6937276
06	Mustansar Jameel	Muhammad Jameel	FDR	0307-8857031
07	Abdul Hameed Razi	Akhtar Ali	EMT	0305-7106614
08	Hammad Raza	Muhammad Arif	EMT	0302-4012366
09	Muhammad Imran	Muhammad Jahangir	EMT	0307-2268798
10	Ghulam Rasool	Barkat Ali	EMT	0300-7902315
11	Muhammad Riaz	Muhammad Zaman	EMT	03066986586
12	Muhammad Irfan	Muhammad Sharif	EMT	0300-3519658
13	Ahmad Faraz		EMT	0300-5039388
14	Syed Tassaduq Hussain	Syed Kamran Shah	EMT	0302-9421602
15	Basharat Ali	Muhammad Janhgir	EMT	0303-9253720
16	Ali Sher	Muhammad Sharif	EMT	0304-7447271
17	Muhammad Ahmad	Pehlwan	EMT	0300-8165766
18	Muhammad Asif Watto	Abdul Sattar	LTV	03017689947
19	Hafiz Tahir Mehmood	Muhammad Manzor Ahmad	LTV	0300-4589172
20	Waqar Ahmad	Muhammad Aslam	LTV	0305-4069478

ANNEX IX: 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	FaizanAllah	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	KhudaBuksh	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	GhulzaibTabbasum	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 - X: 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
160	Abdul Ghafar Wattoo Kalooka	PMLN	0300-7580567	237	Mian Fida Hussain Wattoo	PMLN	0301-7250711
161	Mian Alam Dad Lalyka	PMLN	0300-4542094	238	Mian Inaam Bari	PPP	0300-7929247
162	Ch Ehsan ul Huq Bajwa	PMLN	0307-7474174	239	M. Atif Aurangzaib	PMLN	0300-6989099
163	M. Ijaz Ul Haq	PMLZ	0321-5555552	240	M. Sohail Khan	PMLN	0300-6983032
				241	Ch Ghulam Murtaza	PMLZ	0321-4040637
				242	Kashif Navid	PMLN	0345-4722222
				243	M Zahid Akram	PMLN	0300-5062444
				244	Suria Sultana	PMLN	0300-8404009

ANNEX XI: LOCAL GOVERNMENTS

S#	Designation	Name of Local Govt.	Name of Administrator	Office Number	Mobile Number
1.	DC Bahawalnagar	District Council	Zulfiqar Ahmad Bhoon	063-9240201	0304-0920084
2.	D.D (LG&CD)	LG&CD	Imran Rafiq Joiya	063-9240083	0333-4043383
3.	Chief Officer-ZC	District Council	Arshad Tatla	063-2503297	0300-6989786
2.	Chief Officer –MC Bahawalnagar	Municipal Committee Bahawalnagar	Sana Ullah	063-9240150-51	0300-0833744
3.	Chief Officer – MC, Chishtian	Municipal Committee Chishtian	Arshad Tatla	063-2503297	0300-6989786
4.	Chief Officer – MC, Haroonabad	Municipal Committee Haroon Abad	Miss Anila	063-2250883	0304-1573118
5.	Chief Officer – MC, Fortabbas	Municipal Committee Fortabbas	Rana Ijaz Ahmad	063-2511625	0323-8412135
6.	Chief Officer – MC, Minchinabad	Municipal Committee Minchanabad	Rashid Aziz Ghazanvi	063-2751000	0301-7923921

ANNEX XII: 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
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P9:NGOs registration proforma

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

District: _____

Date: _____

S#	Name of NGO	Local /INGO	Relief activity	Relief camp if any	Focal person in the district	Registered with PDMA	Foreigners to be visiting or not.
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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: 08-03-2025

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 XIII: FLOOD BUNDS

Sr.	Name of Bund	Location	Status of Vulnerability	Remarks
1.	Zameendara Bund	240/HL, Walhar, Tehsil Fortabbas	Not Vulnerable	The Bund is situated at Ghagra River in Tehsil Fortabbas and due to unavailability of water in the river, the said area is not vulnerable.

ANNEX XIV: 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 fire fighting system as fire out breaks are common in such tents
- Proper camp management should be announced and notified and there should be a complaint cell as well
- A proper distribution mechanism should be in place to ensure that the needy get what they deserve.
- Scattered camps should be catered for and encouraged to join the main camp.
- At times shallow hand pumps are not safe for drinking as the water underground has been affected. In such cases clean medicated water should be provided through water bowsers.
- Vector control is an essential part of the camp management and steps should be taken to remove rats, snakes and mosquitoes etc.
- Un-accompanied and missing children shall be placed separately with proper care and fulfilment of their physical and psycho-social needs.
- Needs of women as per local and cultural environment shall be considered for establishing separate relief camps for ladies with provision of proper security and light arrangements.

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

ANNEX XV: RIVER DISCHARGE RATES

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

ANNEX XVI: 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.