

DISTRICT DISASTER MANAGEMENT PLAN 2022



Division: SARGODHA

District: BHAKKAR



LOCUST COMBAT ACTIVITY IN BHAKKAR



MONTHLY DDMA MEETING IN BHAKKAR



MOCK EXECISE IN BHAKKAR



MUNGBEANS WASHED 2010 FLOOD BHAKKAR

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Flood

Estimated number of people at risk of floods in 2022 of total Population Risk: Medium

9%

Drought

Estimated number of people at risk of Drought in 2022 of total Population Risk: Medium

6%

Earthquake

Estimated number of people at risk of epidemic in 2022 of total population Risk: Low

10%

Epidemic

Estimated number of people at risk of epidemic in 2022 of total population Risk: Medium

10%

EXECUTIVE SUMMARY

District Bhakkar is situated on the north-western region of Punjab Province at left Bank of Indus River. There are many natural and human induced hazards that threaten to affect the lives and livelihoods of its citizens. Natural hazards including floods, storms, earthquakes, heat-wave and drought. Human induced hazards include fires, civil unrest, road accidents, smog and health epidemics.

The local governments have a key role in identifying and understanding the hazards and risks that could impact on the safety and sustainability of their communities. At local level, DDMA, with technical assistance from PDMA, will prepare District DRR/DRM Plan keeping in view the detailed analysis of risks and vulnerabilities of the area. Mapping of capacities available with public and private sector. Clearly defined roles and responsibilities of district line departments to be performed in pre- and post-disaster phases will also become part of the District Disaster Management Plan

AIM AND OBJECTIVES

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

The main objectives of the plan include:

- To develop a plan of action for the District Disaster Management Authority and other district stakeholders to set priorities and provide directions for disaster management;
- To define the roles of various stakeholders in disaster management in all the phases pre, during and after disaster;
- To raise awareness of stakeholders about disaster risks and the requirements for disaster management;
- To introduce coordination mechanism for immediate response and rehabilitation at district level;
- To enhance the effectiveness and timeliness of emergency response through the clarification 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	1650482
2.	No. of Tehsils	4
3.	No. of Field offices	5
4.	No. of Revenue Estates	541
5.	Population Density (people per km ²)	202 Km ²
6.	Family Size	7.1
7.	Pop Growth Rate	2.40
10.	Poverty Rate	39(Multi Poverty Index)
11.	Patient/Doctor Ratio	10,000
13.	IMR	74 /1000
14.	MMR	278 /1000
15.	Literacy Rate	55%
18.	Percentage of population having access to clean drinking water	99.9 %
19.	Annual Crime	4924

Population

Total	Male (Above 18)	Female (Above 18)	Minor (M) (Less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1650482	462,584	419655	417663	386580	-

Source/Note: District Officer Population, Bhakkar

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks& Morter)
206,700	62217	144,483

Source/Note: Source/Note: Bureau of Statics Punjab

Area (in acres)

Total Area of District in Km ²	Area Under Cultivation	Cultivation in Settled Area	Cultivation Baid Area
8153	1819711	1817211	-

Source/Note: Source/Note: Bureau of Statics Punjab

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
55%	67%	33%	82%	62%	70%	38%

Source/Note: Bureau of Statics Punja

Government Schools

		Schools	Enrollment
Total/ Overall		1266	237292
Boys	Primary	427	63055
	Middle	88	11481
	High	90	54647
Girls	Primary	494	66309
	Middle	106	9776
	High	56	32024
Co-Education	Primary	-	-
	Middle	-	-
	High	-	-
Special Education		5	625

Private Schools

		Schools	Enrollment
Total/Overall		570	168208
Boys	Primary	60	20460
	Middle	370	96749
	High	46	26321
Girls	Primary	15	1590
	Middle	59	21898
	High	20	1190
Co-Education	Primary	-	-
	Middle	-	-
	High	-	-
Special Education		-	-

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	18	1	-	9	4	32
No of Students	21127	3700	-	2010	669	27,506

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	88	4	0	18	110
Annual OPDs	1415378	1306963	0	334375	3056716
No of beds	228	544	0	415	1187
Doctors Available	107	401	0	107	615
Paramedical staff	584	395	0	330	1309
Ambulances available	0	0	0	12	12
Mobile Medical Units	Nil				

Livestock: Small Animals (goats, sheep etc.): 815758 Big Animals (cows, buffalos, camel etc.) 596948

Main Source of livelihood of the community? (In percentage)

Agri	Livestock	Poultry	Fish Farming	Services (Public & Pvt)	Business	Expatriates	Industrial Labor	Skilled labor	Unskilled Labor	General Labor
56%	45%	2 %	1%	7%	5%	2%	4%	2%	5%	6%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	No. of Revenue Estates affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	2004	0	0	0	0	0	0	0
2	2005	0	0	0	0	0	0	0
3	2006	1,100	0	23	349	661	0	0
4	2007	0	0	0	0	0	0	0

5	2008	0	0	0	0	0	0	0
6	2009	0	0	0	0	0	0	0
7	2010	24,504	0	53	319	5,742	185,880,000	0
8	2011	0	0	0	0	0	0	0
9	2012	0	0	0	0	0	0	0
10	2013	0	0	0	0	0	0	0
11	2014	0	0	0	0	0	0	0
12	2015	0	0	0	0	0	0	0
13	2016	0	0	0	0	0	0	0
14	2017	0	0	0	0	0	0	0
15	2018	0	0	0	0	0	0	0
16	2019	0	0	0	0	0	0	0
17	2020	0	0	0	0	0	0	0
18	2021	0	0	0	0	0	0	0
19	2022	0	0	0	0	0	0	0

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Mianwali is vulnerable to Flood & Environment Khushab is vulnerable to Flood. Layyah is vulnerable to Flood & Drought Jhang is vulnerable to Flood Dera Ismail Khan (KPK) is vulnerable to Flood and law & order situation
Topographical Features	Topographically, district Bhakkar is part of the Indus valley which lies between two high banks of Indus and Jhelum rivers. most of the district area lies in the desolate plain of the Thal desert which is generally the part Punjab plains. District Bhakkar is covered by thick Alluvium comprising of clay and sand layers.
Weather/Climate pattern	e.g., max. and min. temperature, annual precipitation, storms, heat waves, snow fall etc. max 50 c & mini 4 c temperature is observed. There is rain fall about 9 inch /annum
Major Rivers	Name of river, passing through areas along with length in the district Major Barrages and their Flood levels Indus river covers 110 Km along with the boundary by covering three Tehsils of Bhakkar Reach time of flood at boundary of Bhakkar is 7 hours from Chashma and 36 hours from Jinnah beradge. Low floods 2.50 lac cs to 3.75 lac cs medium flood 3.75 lac cs to 5.00 lac cs High flood 5.00 lac cs to 6.50 lac cs very high flood 6.50 lac cs to 8.00 lac cs exceptionally High floods above 8.00 lac cs
Major Nullahs / Streams	Name of river, passing through areas along with length in the district Flood levels
Motorway/Highway	Vulnerable points of motorway/highway
Railways	Vulnerable points of Railway
Geological features	e.g., fault line, mountainous areas etc. low lying Kacha, agriculture area, sandy dunes

Dams (including small dams)

Name of Dam	Location	GPS Coordinates	Capacity	High Flood Level	Critical Points, if any	Remarks
0	0	X:0.00 Y: 0.00	0	0	0	0

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
Bhakkar Flood Protection Bund	21 Mile	Basti Jafar Khan Bhakkar	Mitho Bindo Bhakkar	56+000 to 57+000	X: 31.61 Y: 70.91	
				74+000 to 75+000	X: 31.58 Y: 70.87	
				80+000 to 92+000	X: 31.75 Y: 70.95	

Breaching Section

Name of Bund/ Embankment	Name of breaching section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
0	0	X:0.00 Y: 0.00	0	0	0	0	0

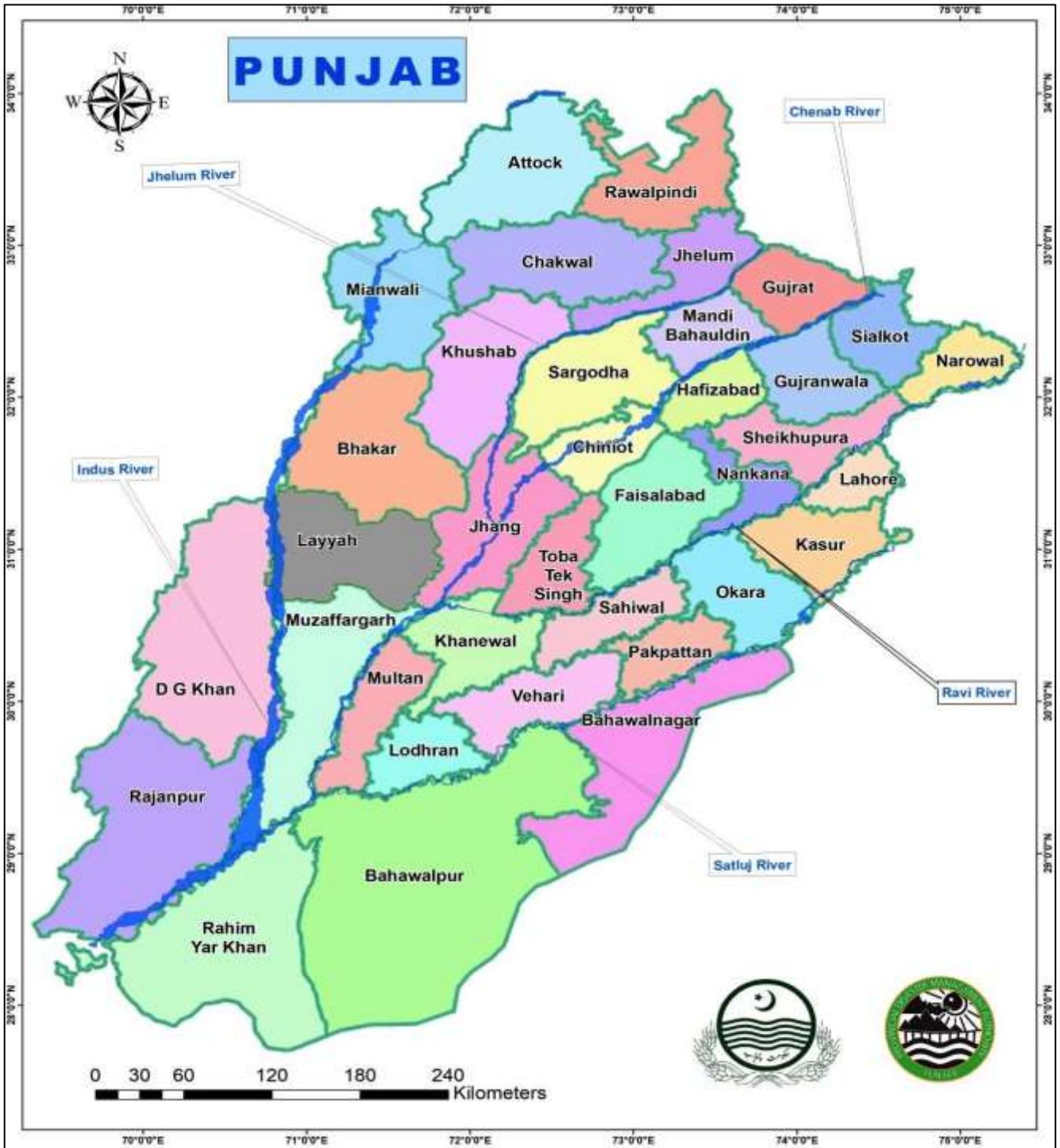
Power Houses/Grid Station/Oil Depot/other sensitive installations

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Bhakkar Grid Station	132 KV	X: 31.61 Y: 71.08	Madina Cotton & Makki Oil Mills Sale Depot, Ghalla, Bhakkar	-	X: 31.62 Y: 71.06
Behal Grid Station	66 KV	X: 31.40 Y: 71.01	Oil Depot Kotla Jam, Bhakkar	-	X: 31.69 Y: 71.09
Mankera Grid Station	66 KV	X: 31.39 Y: 71.43	Hascol Petrol Pump Bhakkar,	-	X: 31.60 Y: 71.06
Haider Abad Grid Station	66 KV	X: 31.35 Y: 71.67			
Darya Khan Grid Station	66 KV	X: 31.78 Y: 71.10			
Rakh Dagrani Wali Grid Station	132 KV	X: 31.81 Y: 71.28			
Fazil	132 KV	X: 31.03 Y: 71.48			

Govt. storage facilities/warehouses in the district

Location with GPS			Location with GPS		
Facility Type	Capacity	Coordinates	Facility Type	Capacity	Coordinates
Flaspon	300 M.Tons	X: 31.615955 Y:71.079440	Godowns Darya Khan (PRC)	3000.000 M.Tons	X: 31.7776195 Y: 71.1126643
Godowns Bhakkar-I (PRC)	1500.000 M.Tons	X: 30.620033 Y: 71.087465	Godowns Kallour Kot (PRC)	4000.000 M.Tons	X: 32.145252 Y: 71.2622477
Godowns Bhakkar-II (PRC)	7000.000 M.Tons	X: 30.620033 Y: 71.087465	Godowns Mankera (PRC)	2000.000 M.Tons	X: 31.4006540 Y: 71.4530880

District baseline/reference Map

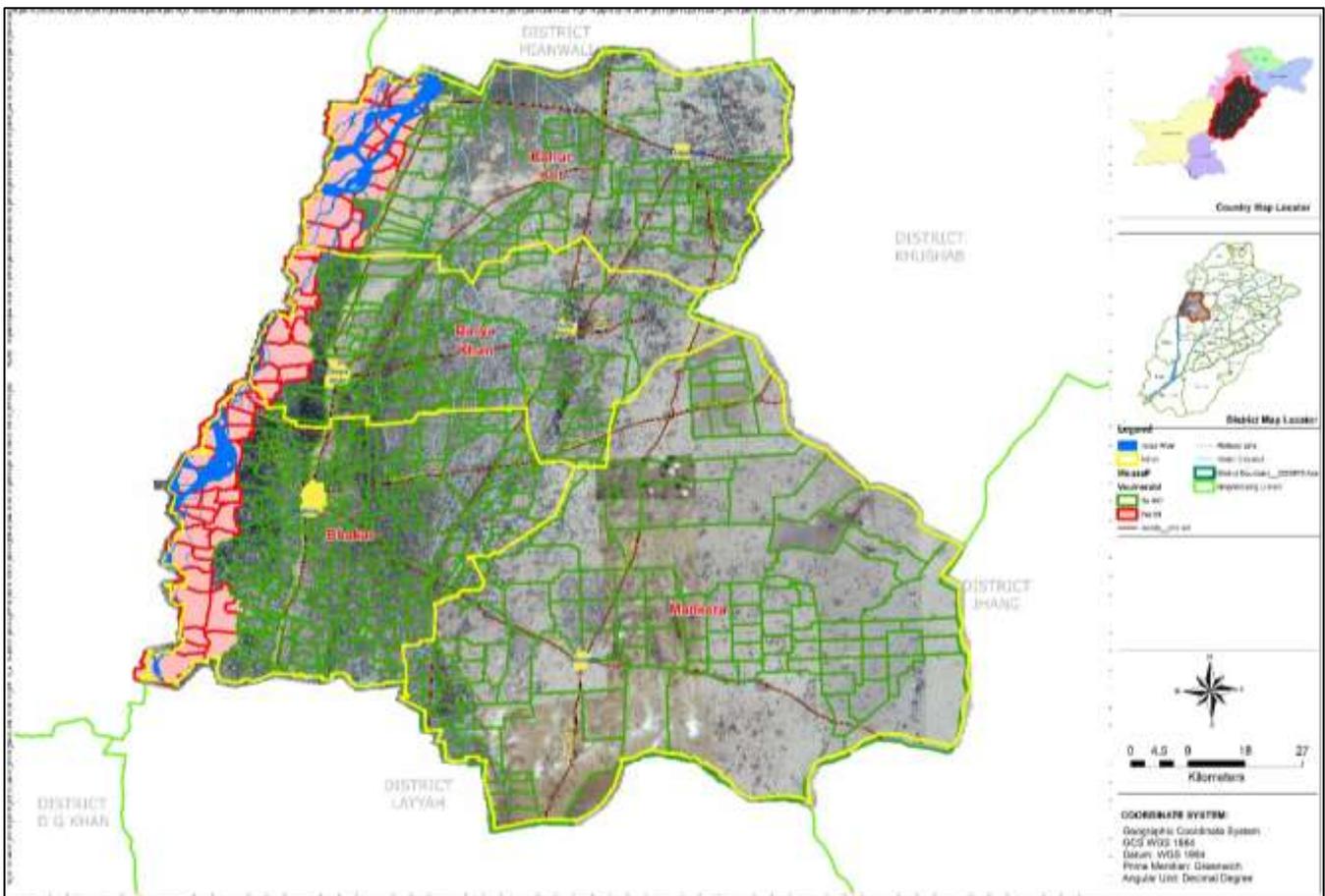


Source: Proposed DDMP, Bhakkar

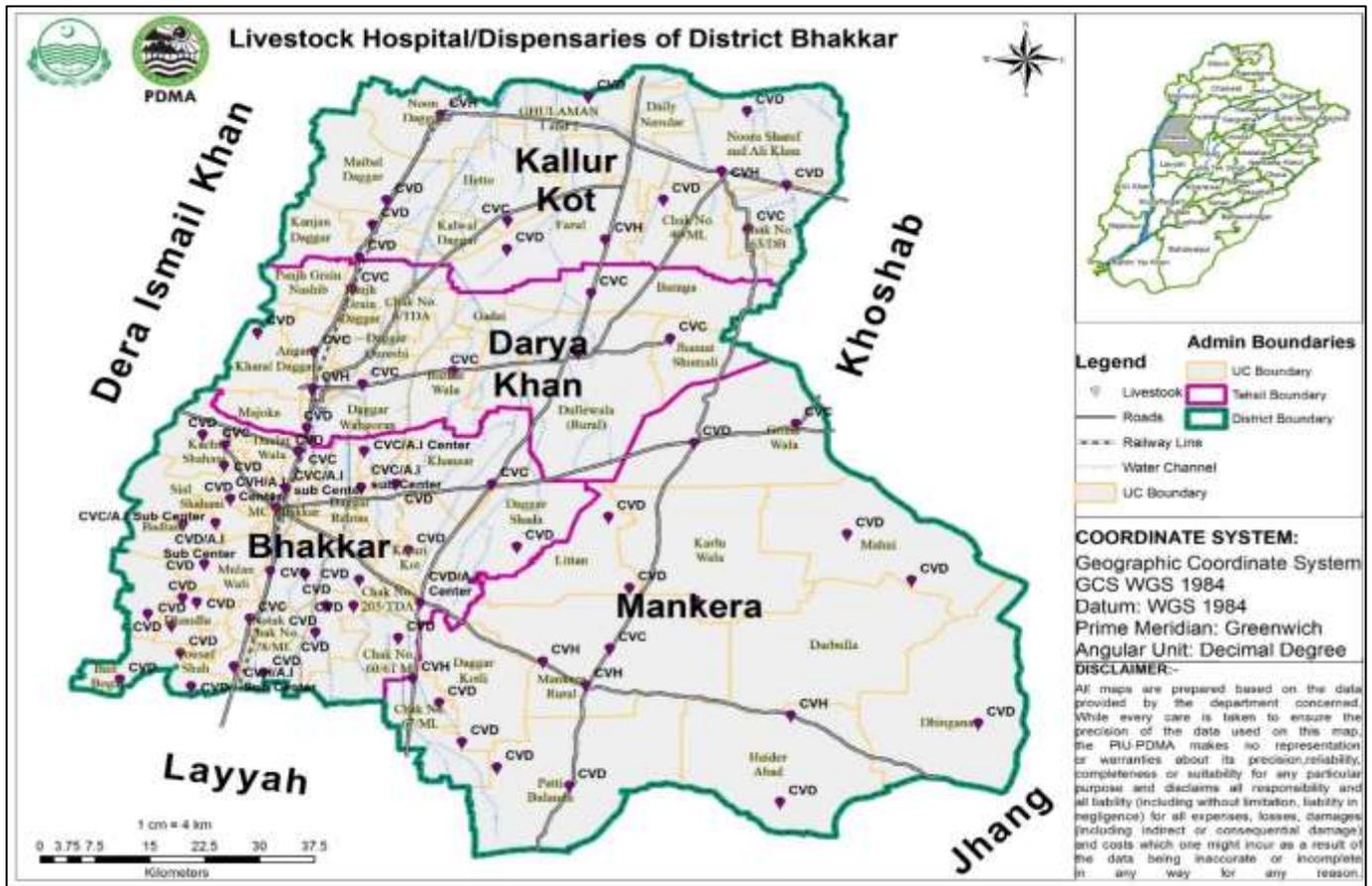
District Administrative Boundaries Map



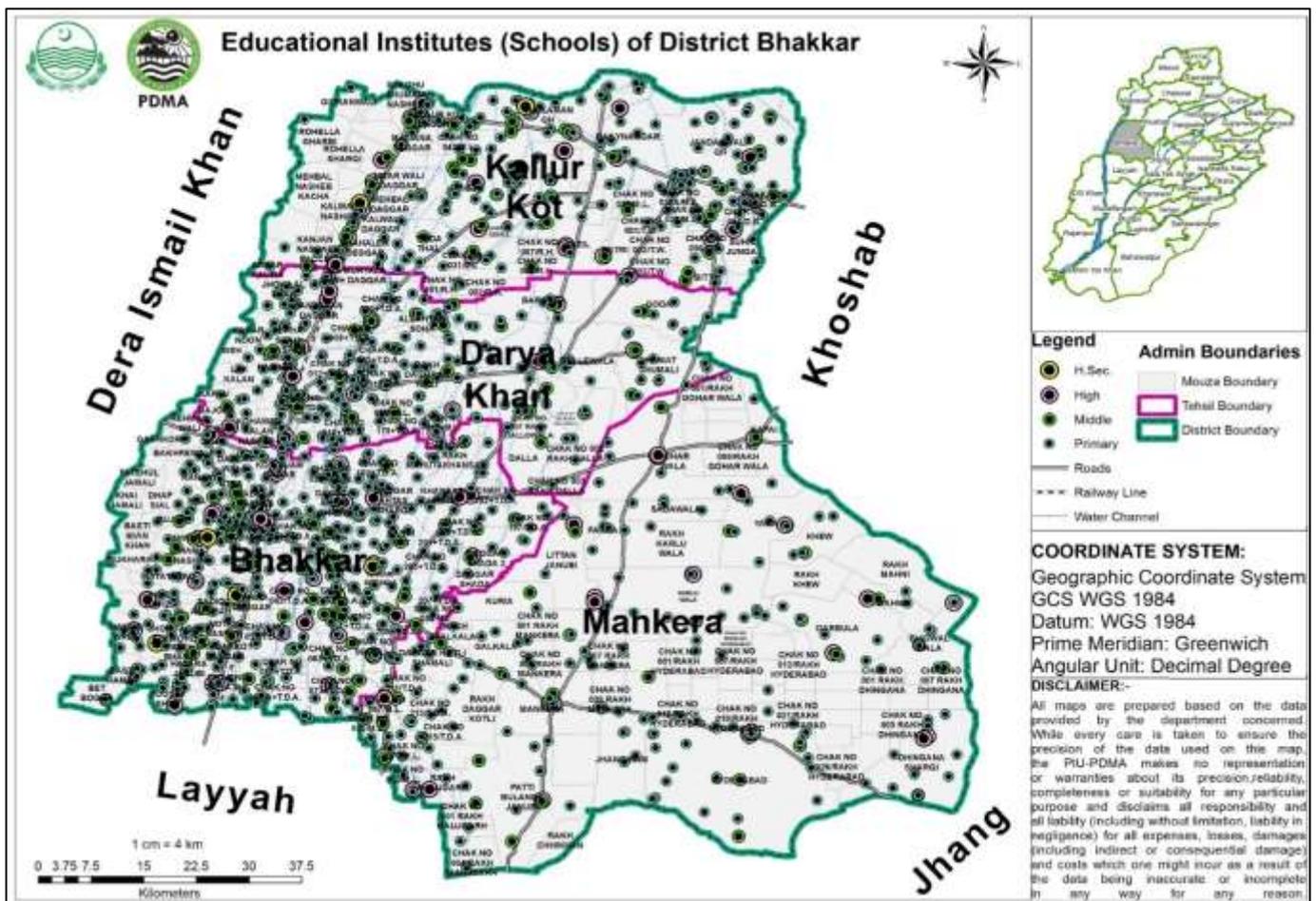
District Flood Prone Revenue State Map



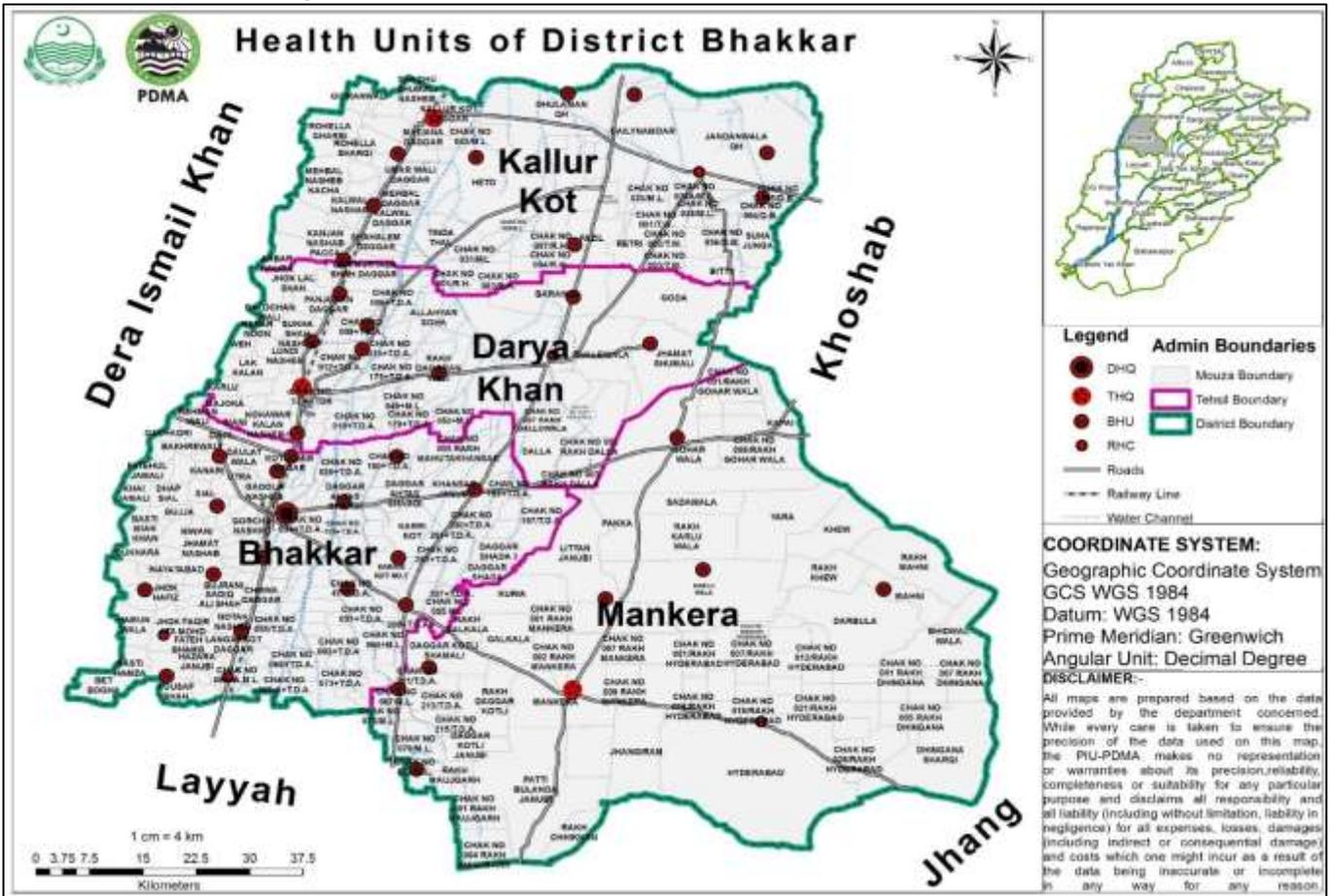
District Livestock Hospital / Dispensaries Map



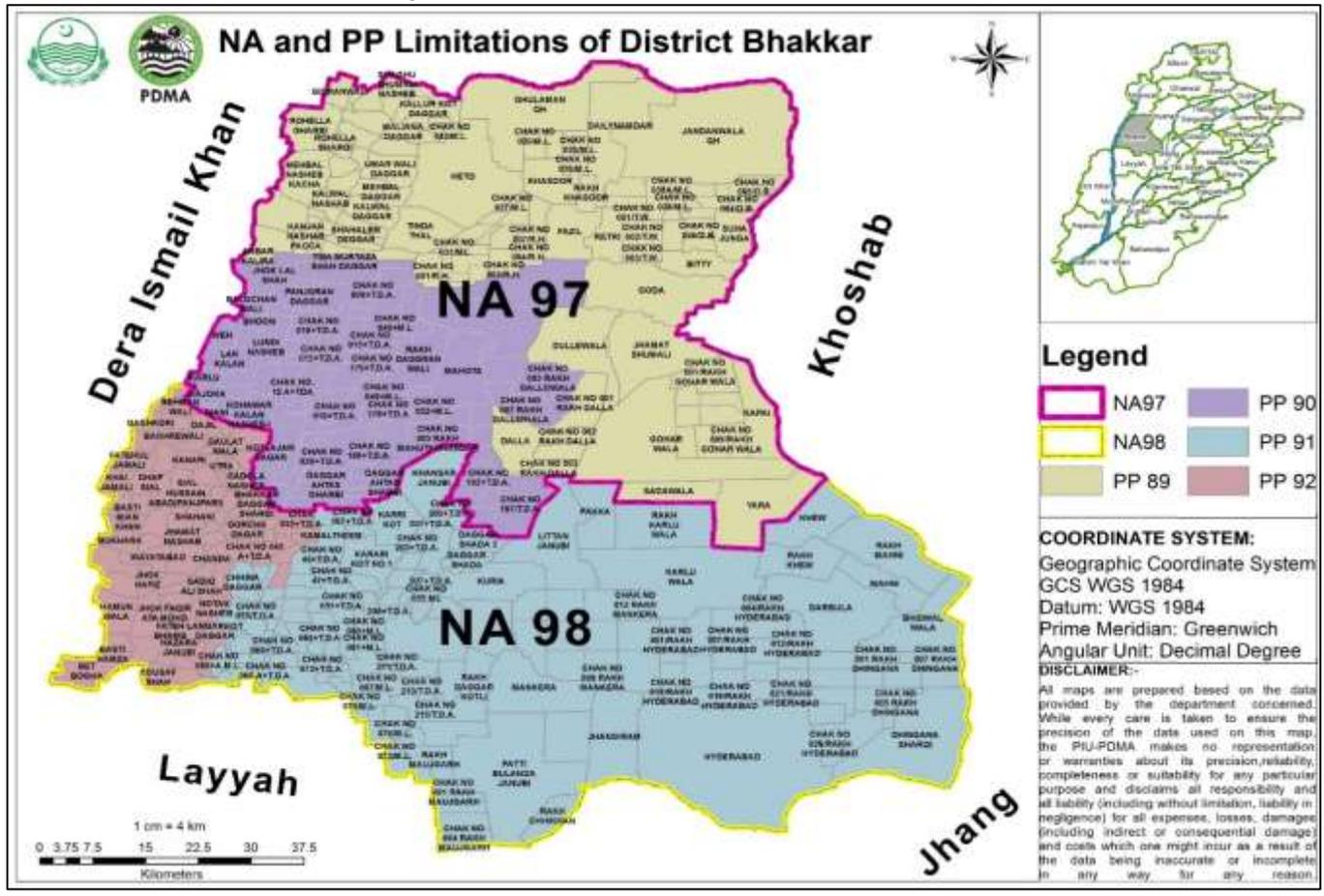
District Educational Institutes (Schools) Map



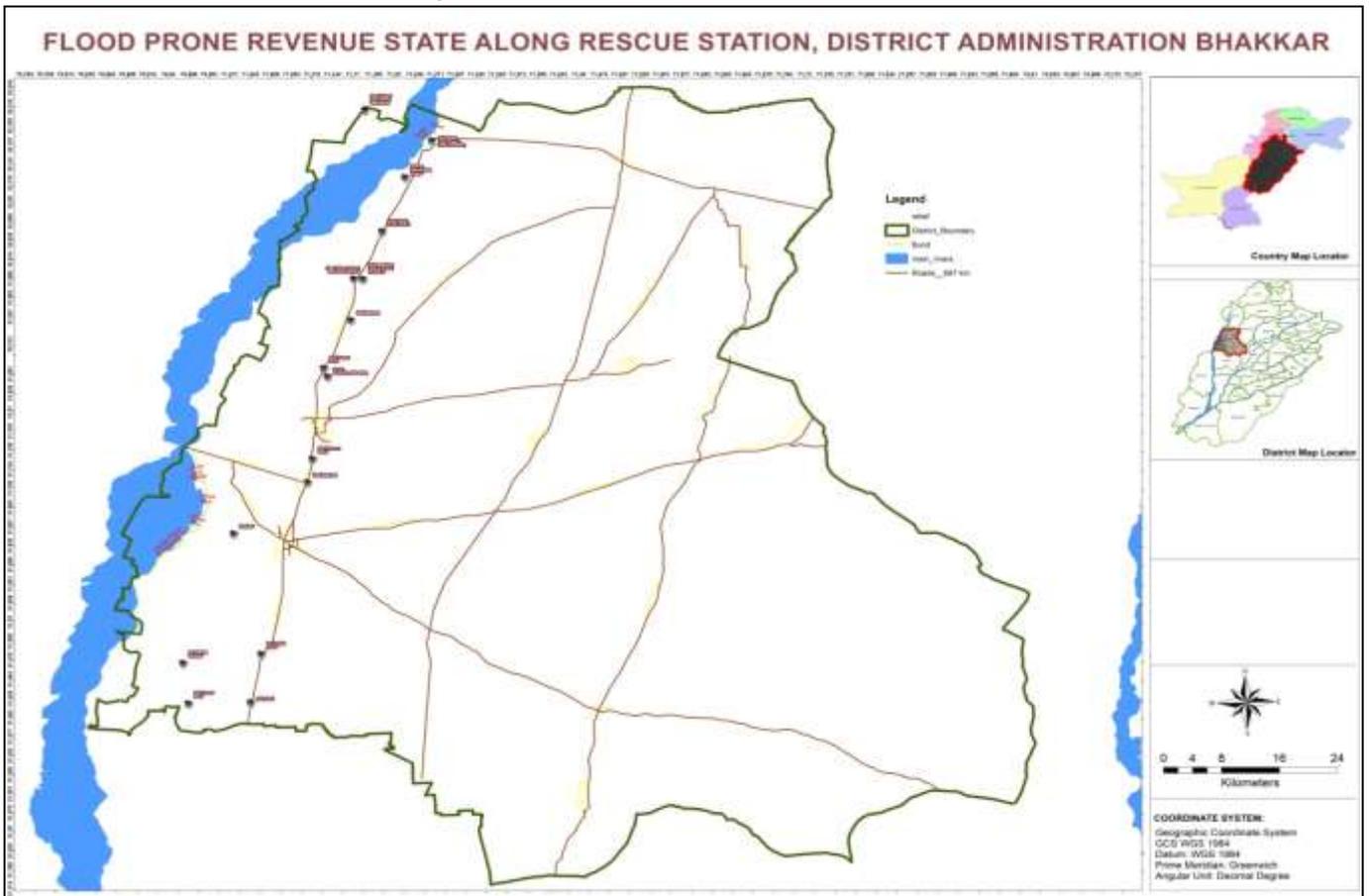
District Health Units Map



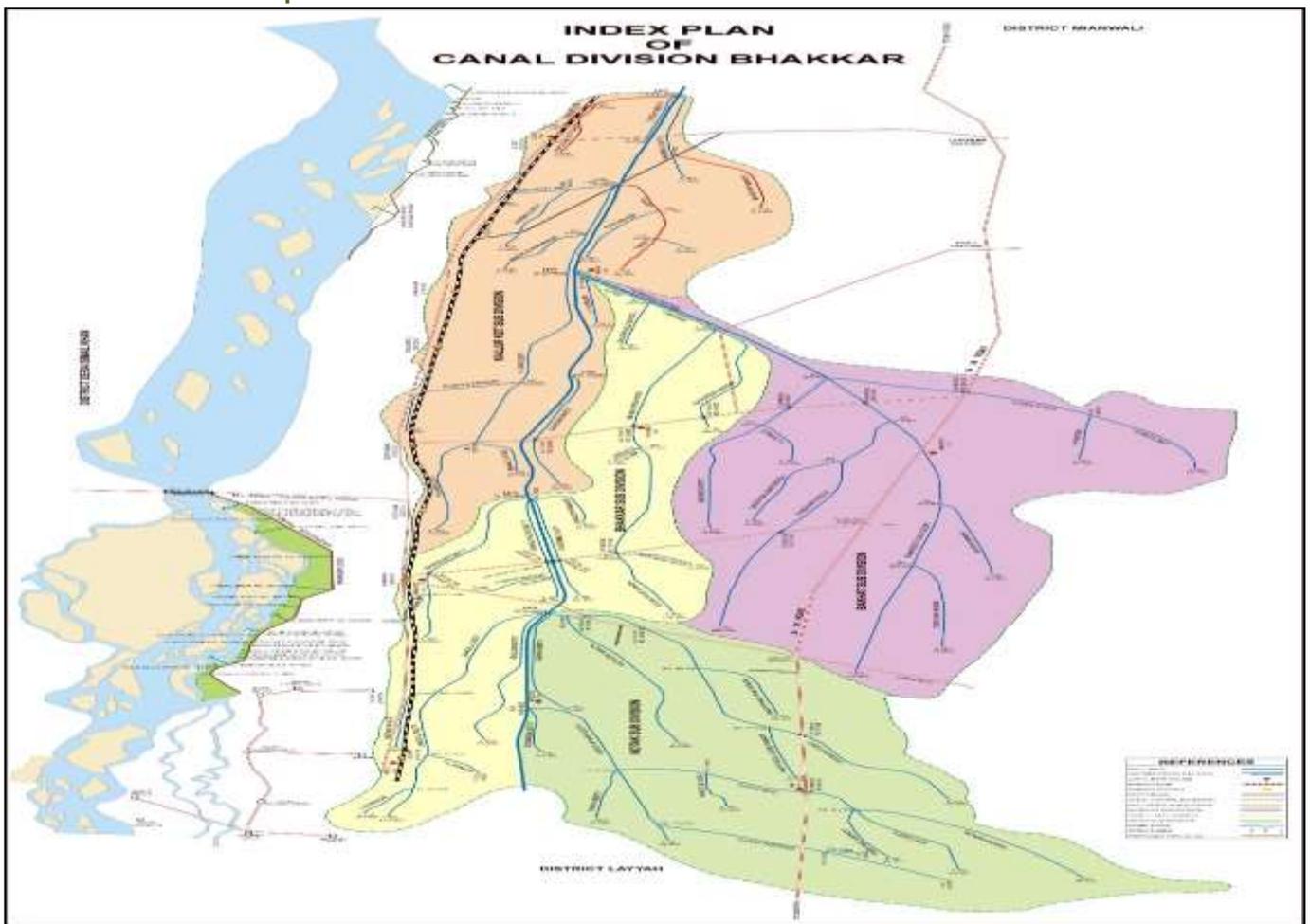
District NA & PP Limitations Map



District Flood Rescue Stations Map



District Flood Bund Map



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

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

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

- a) Prepare a disaster management plan including district response plan for the district;
- b) Coordinate and monitor the implementation of the National Policy, Provincial Policy, National plan, Provincial Plan and District Plan;
- c) Ensure that the areas in the district vulnerable to disasters are identified and measures for the prevention of disasters and the mitigation of its effects are undertaken by the departments of the Government at the district level as well as by the local authorities;
- d) Ensure that the guidelines for prevention, mitigation, preparedness and response measures as laid down by the National Authority and the Provincial Authority are followed by all departments of the Government at the district level and the local authorities in the district;
- e) Give directions to different authorities at the district level and local authorities to take such other measures for the prevention or mitigation of disasters as may be necessary;
- f) Lay down guidelines for preparation of disaster management plans by the departments of the Government at the districts level and local authorities in the district;
- g) Monitor the implementation of disaster management plans prepared by the departments of the Government at the district level;
- h) lay down guidelines to be followed by the departments of the Government at the district level;
- i) Organize and coordinate specialized training programs for different levels of officers, employees and voluntary rescue workers in the district;
- j) facilitate community training and awareness programs 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 centers 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.
- t) Perform such other functions as the Provincial Government or Provincial Authority may assign to it or as it deems necessary for disaster management in the district.

District Plan:

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

Additional Powers of District Authority:

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

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

Revenue Department (Functions and Responsibilities)

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

- Taking everyone on board is perhaps the most important thing to do. Regular meetings of DDMA should be held to clearly highlight the roles and duties of DPOs, CEOs, DEO and 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 patwari, 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 defense 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 flood prone 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 a 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 Committees (MCs)

- Municipal Committees Administration (MCs) 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 Committees Administration MCs will provide assistance to the District Government for setting up and management of relief camps/ operations.
- MCs are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- MCs are equipped with trucks, water bowsers, and tractors, dewatering sets, bulldozers, loaders and dump trucks. All of this equipment is utilized to restore proper sanitary facilities, ensure the delivery of clean water and remove debris or excess water.
- MCs sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.

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

District Disaster Management Authority (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DC. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, TMAs and the Revenue Department form the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his/her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned ACs and the MCs.
- 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 Numberdars, Headmaster of the School, Imam Masjid and councilors to make announcements etc.
- The tactical operations would be headed by the Additional District Collector (ADCR). The ADCR 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)

- i. Deputy Commissioner Bhakkar.
- ii. Additional Deputy Commissioner (R) Bhakkar.
- iii. Additional Deputy Commissioner (G) Bhakkar.
- iv. District Police Officer Bhakkar.
- v. Additional Deputy Commissioner (F&P) Bhakkar.
- vi. Chief Executive Officer (Authority Health) Bhakkar.
- vii. Chief Executive Officer (Authority Education) Bhakkar.
- viii. Executive Engineer Irrigation Bhakkar.
- ix. Executive Engineer High way Bhakkar.
- x. Executive Engineer Building Bhakkar.

- xi.** Executive Engineer Public Health Bhakkar.
- xii.** Deputy Superintendent Police (Special Branch) Bhakkar.
- xiii.** District Emergency Officer 1122 Bhakkar.
- xiv.** Assistant Commissioner Bhakkar.
- xv.** Assistant Commissioner Darya Khan.
- xvi.** Assistant Commissioner Kallurkot.
- xvii.** Assistant Commissioner Mankera.
- xviii.** Additional Director (Livestock) Bhakkar.
- xix.** District Food Controller Bhakkar.
- xx.** Chief Officer Zila Council, Bhakkar.
- xxi.** Sub Engineer (Sui Gas) Bhakkar.
- xxii.** DSP (Traffic), Bhakkar.
- xxiii.** DSP (Petrolling) Bhakkar.
- xxiv.** All Chief Officers of Municipal Committees Bhakkar.
- xxv.** Deputy Director Social Welfare / Baitul - Mall Bhakkar.
- xxvi.** Representative of Pakistan red crescent society Bhakkar.
- xxvii.** Additional District Collector
- xxviii.** Two Elected Representatives to be nominated by the Chair
- xxix.** Representative of Pak Army
- xxx.** Two Representatives of NGOs/Civil Society to be nominated by the Chair
- xxxi.** District Officer Civil Defense
- xxxii.** Such other District Level Officers to be appointed by district government.
- xxxiii.** District Officer (Coordination).

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

Role of Rescue 1122 in districts during disaster

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

Pre-disaster Check list for DDMA

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

Disaster Emergency Control Room (functions and responsibilities)

It was decided in the DDMA meeting that Control Room of Rescue 1122 will be declaring as District Emergency Control Room/ District Emergency Operation Center (DEOC) for District Bhakkar. It is located in the Office of Rescue 1122, Bhakkar. This office is connected by multiple communication mediums including Telephone, Wireless and Internet & Fax service. District Control is responsible for information, coordinating among the departments and reporting the updated situation to the District Government and Provincial Control Rooms.

Checklist for Control Room:

- Dedicated Staff as per magnitude of the disaster
- Duty roster 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 defense etc.
- No movement without the permission of Centre Incharge
- Each shift in-charge to contact District Control Room on arrival and then on departure
- In-charge will keep close liaison with SHO of the respective area
- No of affectees in camp (sick, aged and children) shall be communicated daily
- Availability of at least one emergency vehicle at center be ensured
- Keep record of private boat owners and their contacts details
- List of Doctors and private hospital in the vicinity
- List and contact of philanthropists in the vicinity
- Keeping record of donations coming directly to Centre and report the same to Tehsil

- and District Incharge.
- Centre Incharge shall ensure vaccination of animals and humans against Communicable diseases
 - List of missing persons must be displayed at all Relief Camps

Role of Health Department

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

Outreach and Community Based Activities, which focus on immunization, sanitation, malaria control, maternal and child health, and family planning. Primary care facilities include BHUs, RHCs. THQs and DHQs provide inpatient and outpatient care. Tertiary care hospitals located in the major cities for more specialized care. In case of any disaster or calamity the health department will ensure that the following measures are in Place;

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

Livestock & Dairy Development

- The Additional Director (Livestock) will ensure that the animals are vaccinated in area likely to be affected by the Floods before the Commencement of Flood season.

- During the Floods, the Additional Director (Livestock) will ensure that adequate drugs and Veterinary Officers are available at the relief camps.
- Mobile Teams consisting of the following will be covering the Flood affected area.

a.	Veterinary Officer	1
b.	Veterinary Assistant	2
- For the livestock, affected by Flood, in Tehsil Kallurkot & Darya Khan the services of the Rakh Ghulaman Dairy & Livestock Farm and for such Livestock in Tehsil Bhakkar the services of Sarai Muhajir will be utilized.

Food Department

The District Food Controller will ensure that adequate Atta is available on demand against payment for providing the same to the Flood affected persons.

FESCO

- The Executive Engineer FESCO will ensure that his staff is stationed in the village likely to be affected by Flood. The FESCO staff will disconnect the electricity before the Flood water reaches the area to avert any loss to life and property.
- The Executive Engineer FESCO will also ensure timely restoration of electric supply accordingly.

Information Department

- Coordination and close liason with printy and electronic media public message and local cable for flood warning, print and electronic media issue handouts regarding flood losses without creating panic while working in collaboration with District Flood Incharge.
- Issue hand outs to counter disinformation. wrong report to TV /Radio/Press and clarify the situation.
- Assist District Flood Coordinator in holding press conferene on daily flood situation.
- After decleration of flood alert, furnish the press cuttings of flood related news to the District Flood Coordinator at 9 AM on daily basis.
- Projection and dissemination of govt Rescue, Relocation, Relief, Rehibition and reconstruction efforts.
- Close liason and coordination with all Govt. Departments/ offices
- Establish of media desk during disasters and emergencies.

Agriculture Department

Before Disaster

- Keeping in mind the most significant hazards in the district, undertake a field exercise of risk assessment to identify vulnerabilities and risks vis-à-vis food security, agriculture activities such as cropping patterns in the face of climate change, and the livestock/dairy/poultry. This exercise should also look into the possibility of likely damages / losses which might occur in the wake of any disaster to all the sub-sectors of the agriculture department. The outcome of the exercise will be an informed and practical DRR plan of the department.
- Establish and maintain farmers' groups to raise their level of awareness with regards to issues falling under the overall mandate of the department. The farmers' group may also be trained on basic disaster preparedness and response skills. They can potentially become extremely useful during disaster situations in their respective areas.
- Prepare departmental contingency plan and organize regular drills/simulation exercises.
- Maintain emergency stock of vaccination, fodder and seeds etc.
- Creating community seed banks at the Union Council level is a very viable option to support the small farmers with minimum seeds requirements after any disaster to enable them to resume and regenerate agriculture-based livelihood activities.
- Mass awareness regarding epidemics and diseases to livestock, poultry and crops. Regular vaccination is an effective tool to prevent diseases.
- Regular surveillane of water sources, which may be damaged or cause flooding in monsoon.

- Close coordinating with Pakistan Meteorological Department and media to ensure that early warning messages are appropriately relayed / disseminated to hazard prone communities. It will help people to plan for sowing/planting and harvesting crops accordingly.
- Arrange different trainings on impact of global warming and climate change and adoptability of agriculture crops and enhance the productivity for the formers
- Promote adoption of flood and drought resilient crops through research and dissemination to farmers with the help of agriculture extension workers.

During Disaster

- Immediately, start interacting with DDMA/DC office for coordinating emergency response activities.
- Make available all the technical and material resources to be made part of relief efforts.
- Carryout agriculture sectors damages/losses and needs assessment and prepares flash report for response.
- Help other relevant departments in establishing relief camps in safe places.
- Arrange feed and fodder for surviving livestock.

After Disaster

- Prepare detail report of agriculture sector damages/losses and needs and submit it to DDMA/DC office for onwards transmission to PDMA/NDMA.
- Repair and rehabilitation of water sources to ensure that agriculture activities are resumed as early as possible.
- Livestock vaccination.
- Ensure foods and fodders availability.
- Provision of seeds, fertilizers and other agri-inputs/implements to farmers as disaster early recovery support.
- Document lessons learnt and revise the departmental contingency and DRR plan accordingly.

Irrigation Department

Before disaster

- Equip irrigation department to mitigate floods and droughts with technical & managerial capacity and modern gadgetry and practices.
- Ensure development & maintenance of flood protection systems in the pre-flood season.
- Inspect and ensure the proper functioning of all the irrigation installations in the district.
- Identify the most vulnerable points of irrigation canals & headwork's in the district and takes corrective measures.
- Forge inter and intra departmental coordination mechanism, including coordination close with DC, DDMA, NGOs and PMD district office and share the information/updates about emergency with all the stakeholders.
- Demonstrate/assist & train local communities facing localized or regional droughts on cheaper rain water harvesting and storages techniques.
- Educate and train the drought affected communities on water use efficiency techniques/good irrigation practices.
- To establish a mechanism of early warning transmission, up and downstream across communities and establish special flood warning centers at UC level, with support of district administration and CSOs.
- Develop and regularly review the district level plans on water management.
- Prepare departmental contingency plan and circulate it among stakeholders before onset of Monsoon.
- Identify and discourage encroachment(s) of various water ways, with the help of other district authorities.
- Closely monitor discharge rates in the major water bodies, passing through the district and for this purpose and optimize functionality of the installed gauges.

- Arrange protection material such as sand-bags, stones, machinery, human resources and other material to be used at the time of need especially before the onset of moon soon.

During disaster

- Ensure establishment and operationalization of Flood Control Cell (FCC) in proper order.
- Keep liaison with field staff, Provincial Irrigation Department and district authorities
- Institutionalize regular patrolling of vulnerable points/ irrigation canals and breach sites to warn the potential victims on time.
- Create and disseminate flood situation reports among the stakeholders.

After Disaster

- Do stocktaking exercise of disaster affected areas and examines all the existing flood protection systems like protection walls, spurs studs and head works of the irrigation canals.
- Estimate and collect damages data and do need assessment in terms of repair/maintenance; and disseminate the information to the relevant stakeholders for securing needed resources.
- Coordinate repair work of the damaged irrigation infrastructures.
- Prepare a sectorial specific recovery plan.

Education Department

Before Disaster

- Conduct MHVRA for all education facilities, map all the educational facilities and identify structural vulnerabilities such as hazard-prone location, dilapidated condition, risks involved, and other secondary threats that may cause severe problems to educational facilities in case of a disaster.
- During the construction of new school buildings or any other education facility, proper designing keeping in view the need of People with Disabilities (PWD) should be incorporated in the structure.
- Information about the existing hazards and risks in the district and the mitigation measures can be compiled in simple language, and share it with teachers and students at all levels (primary & secondary schools, colleges). The ultimate objective should be to incorporate inclusive DRR into school curriculum.
- Prepare Emergency Response Plan and DRR Plan for education facilities and arrange regular drills and exercises during pre-disaster phase.
- Gather information about me /NGOs working in the district in the education sector and make sure they mainstream DRR aspect into their project activities.
- Identify educational facilities that can be used as temporary evacuation centres for displaced population during or after any disaster. It is important that the identified facilities have water, proper sanitation and latrines facilities.
- Engage active student through Girls Guide, Scout Teams, and Parent Teacher Council (PTC) and conduct regular trainings on emergency response management for students, teachers and parents.
- Identify safe evacuation place in the school and in collaboration with other actors such as PTC, Civil Defense and I/NGOs, organize regular emergency response and evacuation drills with students and teachers.
- Promote the spirit of volunteerism amongst students through awareness raising and training sessions so that they become a useful resource for local communities in times of disasters.
- Build capacities of teachers in a way that they are able to prepare and implement disaster response plan for their respective educational facility.

- Educational facilities related data should be maintained and updated on regular basis along with data about those who are more vulnerable that include children under age of 10 and special persons.
- Teachers can be used for mass awareness and capacity building of the vulnerable groups through education & trainings and can disseminate messages by using students as a medium.

During Disaster

- Mobilize teachers and student volunteers to assist in the search & rescue operations to be followed by setting-up emergency evacuation and relief camps at already identified educational facilities.
- In case of flood, inform teachers of those schools where the water can probably hit the school building and cause damages. This information will help teachers to take any emergency preparedness measures with support from local communities.
- Conduct preliminary damages and needs assessment and submit flash reports to higher authorities, DDMA and DC office.
- Temporary shelters in the form of school's buildings can be provided for displaced population during disaster, having water supply and latrine facilities available mostly in the buildings. Teachers can be used as valuable working force for smoothly running of the emergency operating centers established at evacuation sites.

After Disaster

- Undertake a detailed assessment of damages inflicted by disaster to the educational facilities. On the basis of this report, determine short, medium and long-term needs of the education sector in the district.
- Plan and provide provisional assistance on education after a disaster to ensure continuity of learning.
- Rehabilitation and restoration of damaged educational facilities should be given high priority.
- Nonstructural activities including preparedness, trainings, drills, awareness campaign and celebration of commemoration day in the schools should be continued.

Civil Defense Department

Before Disaster

- Render first aid, fire safety and rescue trainings to communities, individuals and organizations in the peacetime.
- Develop and emergency evacuation plan and conduct regular drills and exercises.
- Create community awareness on public safety.
- Recruit/induct operational staff for search and rescue teams with required specialized skills and equipment.
- Ensure provision of trained rescue workers / Razakars and First Aid staff;
- Educate and train volunteers on DRR, emergency response management including first aid, Search and rescue, emergency evacuations and protection procedures against poisonous gases, chemical/biological/radiological explosions or attack.
- Participate in emergency drills with other stakeholders.

During Disaster

- Undertake search & rescue activities immediately after a disaster. To do it in more efficient manners, coordinate with other district departments in order to reach to the needy and more appropriate place.
- Render first aid to injured persons and transport them to nearest hospitals/dispensaries.
- Ensure evacuation from damaged buildings/structures including demolition of damaged structures to avoid further loss of life and properties;

- Assist in debris clearance and restoration of essential services to the affected buildings;
- Search and defuse unexploded bombs in the affected areas;
- Work with the Fire Brigade in rescue and first aid operations related to fire and other rescue incidents.

After Disaster

- On the basis of the response activities that performed, make a detailed assessment of the capacities of the department and identify gaps and requirements.
- Prepare a plan of action for the department and start resource mobilization accordingly

Police Department

Before Disaster

- Prepare details of inventory available at each police station that may be used during any disaster or emergency.
- Prepare and update regularly the contact information of staff, and always make sure that the main phone exchange and the wireless system works properly.
- Prepare Contingency and DRR plan for the department.
- Working with the Pakistan Meteorological Department and DC office, support in dissemination of warning to the affected communities.
- Support District Government Authorities in the process of evacuation to safer places.

During Disaster

- Ensure to maintain law and order situation during any disaster situation in the affected areas.
- Ensure security measures at evacuation points, in evacuated areas, at relief centres and godowns.
- Provide assistance in emergency warning, rescue, relief and evacuation operation.
- Ensure that over-loaded trucks are not coming/going to disaster affected areas.
- Divert traffic where necessary to keep the emergency relief operations going smoothly.
- Ensure security of humanitarian workers who perform duties after any disaster.
- Prevent harassment of women and children during any emergency.

After Disaster

- Keep order and prevent obstruction on public places.
- Aid and cooperate with other agencies for the prevention of destruction of public property by violence, fire or natural calamities.
- Provide assistance to victims of road accidents.
- Protect life and property of citizens.
- Preserve and promote public peace.

Social Welfare & Community Development Department

Before Disaster

- Develop disaster risk management plan and contingency plan with regards to the mandate of the department.
- Raise awareness of staff of the department about special vulnerabilities and capacities of women and children with relation to disasters.
- Encourage involvement of women and PWDs in disaster risk management activities.
- Promote awareness amongst women and PWDs in hazard-prone areas about disaster risks and disaster preparedness.
- Develop capacities of women's, PWDs and Children focused organizations on disaster risk and emergency management.
- Ensure that needs of women survivors are addressed in post disaster situations during the relief rehabilitation and reconstruction phases.

- Properly plan and provide shelter to the affected women, beggars at DarulKafala, Drug rehabilitation, special education, blind institute, disable registration, child protector and other socially excluded groups.
- Promote awareness regarding the children rights.

During Disaster

- Facilitate participation of women and PWDs in the management of relief, rehabilitation and reconstruction activities.
- Use of emergency phone numbers helpline for Child protection during disaster.
- Provide shelter provision to affected women, support in damages and needs assessment of the affected area, service provision through reformal, shelter provision to missing unaccompanied children.

After Disaster

- Support post-disaster rehabilitation of livelihoods of women survivors, which is mostly in the informal sector and is ignored many times.
- Support the district government and PDMA for re-unification of missing unaccompanied children, women, PWDs, rehabilitation of families, psychosocial support provision

Works & Services Department

Before Disaster

- Develop district guidelines for safer construction of government buildings and infrastructure in hazard-prone areas multi hazard approach.
- Ensure DRR checklist of PC-1 has been seriously implemented in all new schemes.
- During the construction of any new buildings, proper designing keeping in view the need of People with Disabilities (PWD) should be incorporated in the structure.
- Develop sample designs of government buildings, high-rise buildings and infrastructure (bridges, roads) for safer construction in hazard-prone areas.
- Ensure environment impact assessment studies has been conducted for all new schemes
- Conduct training of builders, contractors and masons on safer construction methods and provide guidance on adopting inclusive DRR measures during the construction.
- Monitor construction of government buildings and infrastructure in hazard prone areas to ensure that safer construction techniques are followed.
- Incorporate disaster risk assessment in the planning process for construction of new roads and bridges.
- Construct, maintain and repair district and rural roads, bridges, tunnels and causeway etc.
- Prepare a disaster risk management plan and contingency plan with relation to departments programs and mandate.
- Develop guidelines on conduct of damage and loss assessment to infrastructure and government buildings in the wake of a disaster, and conduct assessments after disasters.

During Disaster

- Send information to other district departments on road conditions especially regarding blocked or impassable roads after a disaster.
- Ensure draining the flood water from roads and remove debris from under the bridges for smooth flow of water.
- Monitor disaster situation (in case of flood and landslide) with regard to roads and coordinate with other district departments for transporting relief items to affected areas.

After Disaster

- Undertake a detailed assessment of damages of government buildings, roads infrastructure including bridges, culverts, etc.

- Prepare a report of damages to be shared with the district and provincial authorities along with budget requirements for the rehabilitation and reconstruction of damaged/destroyed infrastructure.

Public Health Engineering (PHE)

Before Disaster

- Repair and maintenance of the structure in command areas.
- Prepare contingency plan highlighting resources available with the organization.

During Disaster

- Collect damages data and prepare report for onward submission.

After Disaster

- Rehabilitation of the damaged infrastructure, including protection walls, retaining walls, check dams, water ponds, surface water tanks, land leveling, field terracing, small dams, spurs etc.

Pakistan Army

Before Disaster

- In consultation with NDMA, PDMA and other line department, identify areas that are most likely to be impacted in case of a disaster.
- Accordingly, prepare and upgrade necessary equipment, manpower and other necessary material to be used / deployed immediately after a disaster.
- Conduct regular capacity building programs for soldiers so that they are able to carry out emergency relief activities effectively.
- Evacuate people to safer areas and designated evacuation centers before and after a disaster.

During Disaster

- Provide search and rescue services where needed.
- Evacuate people to safer areas and evacuation centers with focus on giving priority to women, children and PWDs.
- Close liaison with the District Government and Disaster Management Authorities and if required establish emergency relief centers and provide disaster victims with lifesaving food, shelter and health facilities.
- Install temporary bridges where appropriate to ensure mobility of affected population and smooth transportation of relief items.
- Provide logistic back-up in terms of trucks, boats, helicopters etc. to the civil administration, if need be.

After Disaster

- Supplement early recovery efforts of civilian administration and the humanitarian community.
- Reconstruct / repair roads and bridges at important locations.

Private Sector (NGOs, and Pakistan Red Crescent Society, etc.)

Before Disaster

- Conduct MHVRA at the Tehsil/UC/village levels according to the standard procedure set by the PDMA/NDMA under the supervision and with close coordination with the DDMA.
- Develop DM Plans at all level and share with the DDMA for coordination and implementation.
- Mobilize communities and develop local level capacities for early warning, disaster preparedness and response.
- Support DDMA in establishing the Tehsil/UC/Village level DM Committees according to the set criteria of the PDMA.
- Provide all necessary trainings, conduct drills/exercises and provide necessary equipment to the DRR committees with the close coordination of the DDMA.

- Participate in disaster risk management activities such as training, public education, damage assessment, rehabilitation and construction projects in hazard prone areas.
- Implement programs for community vulnerability reduction; e.g. strengthening livelihoods, safer construction practices, drought mitigation, etc.
- The Pakistan Red Crescent Society is to assist the district government in crises, emergencies and disasters. The main activities of the Society are relief work during and after conflict, disaster relief and supplementary health and welfare services, which include a wide range of activities for the less privileged and marginalized people in both urban and rural areas. The Society provides ambulance and search and rescue service at times of emergencies in addition to capacity building of volunteers, CBOs, and district government officials.

During Disaster

- Facilitate local authorities in emergency relief operations (search & rescue, establishment of evacuation/relief camps, food distribution to displaced, provision of health services, etc.)
- Establish information management centers at evacuation/relief camps with close coordination of the DC office and the DDMA.

After Disaster

- Mobilize disaster affected communities for early recovery and rehabilitation efforts.
- With the support of DM committees, assess Tehsil/UC/Village level damages/losses and needs and contribute it to the district government's data.
- Prepare village level early recovery and rehabilitation plans and mobilize resources for their implementation.
- Provide emergency livelihood support to communities in terms of providing agriculture inputs, conditional cash grants, etc.
- Work on promoting community-based disaster risk management.

Civil-Military Coordination Mechanism

The DC is responsible for all the coordination with Military. As the situation demands, the District Coordination Officer, Bhakkar communicates and request for Mobilization and Demobilization of Army Troops through the procedure defined by the Provincial Government. District Government is responsible for facilitation of Army Troops deployed within Area of disaster.

Volunteer Network

56 Volunteers have been registered from Rescue 1122, Social Welfare and Civil Defense in the district. The head of Rescue 1122, Civil Defense and Social Welfare will activate their respective Volunteers, assign their duties and issue their deployment plan as per need and nature of emergency.

All respective department will coordinate in the district to meet any emergency/disaster.

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)		Impact (Score 1-5)	Risk
Floods	5	3		15
Earthquake	3	2		6
Drought	2	3		6
Epidemic	2	3		6
Fire Incidents	3	3		9
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	4	3		12
Environmental Hazards (industrial accidents, severe pollution etc.)	3	3		9

Risk = Impact x Likelihood

Low : 1-7

Medium : 8-14

High : 15-25

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

Impact of disaster on communities

The 2010 flood is the most devastating flood in district Bhakkar. Thirteen union councils of the district were severely damaged due to 2010 devastating flood. A total of 2287 household were destroyed.

Floods:

Major flooding nearly associated with the monsoon low depression that develops in the Bay of Bengal and move across in dial in the west / north westerly direction to enter Pakistan. Bhakkar can be divided it into two large natural divisions i.e., the Thal and the Indus valley or Nasheb. The latter portion is affected by flood regularly. The Indus flows along tehsil Kallurkot darya khan and Bhakkar. All the Nasheb area of these Tehsils are under threats of flooding. The length of Indus River within district Bhakkar is 110 km long. Total length of the Bhakkar flood protection band is 21 miles.

Drought:

In district Bhakkar a large number of areas in the Thal region is potentially affected by drought causing shortage of food grains and livestock. The annual rain fall in district Bhakkar varies 5 to 11 inches exhibiting and climatic characteristics with rain fall being low in the rabbi season especially in the south and southeastern portions of the district. Irrigation induced seepage of Chashma – Jhelum Link Canal (Non-lined Kacha Canal in the sandy area of desert Thal) leading to irrigation induced seepage salinity & water logging in the area, creating / converting fertile & productive land to the barren & nonproductive and nonresident / non living land (which is another hazard / disaster of the area).

Locust:

Attack of locust swarm has posed serious threats to province of Punjab this year. District Bhakkar faced locust swarm attack on 19/01/2020 in Tehsil Mankera. Locust menace needs a coordinated effort by all the DDMA stakeholders. District Bhakkar is still under threat of locust swarm attack. Agriculture department is leading the anti locust combat activities under the supervision of the revenue department Bhakkar.

Fire and environmental hazards:

The rapid urbanization in the Bhakkar city is increasing the risk of urban fire. The urban fire is mainly caused by the electric short circuiting, LPG decanting, sale of petroleum products within residential areas, old wooden houses & carelessness. These practices pose major fire risk in urban area. According to statistics provided by the Rescue 1122 Bhakkar, during the period of 2018 to 2019, fire cases were reported in which four people got injured and one died while huge property losses occurred in the urban areas of district Bhakkar. Fecto sugar mills darya khan and more than 100 bricks production units may cause environmental hazards. Other environmental hazards which need persistent monitoring are smog, extreme cold and heat shocks during summer season in district Bhakkar.

Road Traffic accidents:

Transport accidents are becoming worst in District Bhakkar. Hundreds of people affected every year in transport accidents. According to statistics provided by the Rescue 1122 Bhakkar, during the period of 2018 to 2020, total of people died 204 and 10319 injured in the road accidents in various urban and rural areas of the District Bhakkar. The main causes reported are over speeding, wrong turns, one wheeling and lack of awareness about the traffic rules.

Response & Operational Capacity

District control room will inform to the concerned departments and they will response with all available resources in emergency / disaster areas immediately. At Government level DDMA, Rescue 1122 and Civil Defense have their plans ready accordingly, needs and shortfalls have been identified in their plans, duly communicated to competent authorities.

Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Strategic Reserves Rescue 1122				
Boats	22	21	1	1
OBM	20	19	1	3
De-watering sets	-	-	-	-
Navigators	-	-	-	-
GIS devices	-	-	-	-
Life Jackets	355	235	120	100
Life Ring	128	126	2	
Life Lines	02	2	-	22
Scuba diving suit with complete accessories	2	2	-	4
First Aid Kits /Bags	8	8	-	100
Rescue Bag	-	-	-	300
Safety Harnesses	4	4	-	6
Ambulances	22	21	1	9
Fire Brigade	3	3	-	2
Water Tanks / Boozers	1	-	-	-
Extendable Ladders	4	2	2	4
Hydraulic Cutter	-	-	-	1
Sonar Rader	-	-	-	-
Jumping Sheet	1	-	1	2
Dumpers	-	-	-	-
Excavators	-	-	-	-
Cranes	-	-	-	-
Bulldozer/tractor	-	-	-	-
Boat Carrier/Trolleys	2	2	--	2
Pickups/Jeeps/4x4 vehicles/Mini Trucks	1	1	-	-
Searchlight	10	10	-	50
Tent	970	970	63	-
Mosquito Net	170	157	13	-
Plastic Mat	210	140	70	-
Blanket	-	-	-	500
Any other main relief/rescue equipment	-	-	-	-
Generator Sets	1	1	-	3
Gas-Cutters	-	-	-	1
Sonar Radars	-	-	-	-
Scuba Diving Set	2	2	-	4
Navigator/GPS Tracker	-	-	-	-
Floating Rope	-	-	-	22
Wireless Mobile Radio Sets	-	-	-	22
Wireless Base Set	-	-	-	30
Wireless Repeater	-	-	-	-
Walkie Talke	20	20	-	30
Portable Air Compressor for Refilling of SCUBA Cylinder	-	-	-	1

ITEMS	AVAILABLE	FUNCTIONAL	NON-FUNCTIONAL	EXTRA DEMAND
Strategic Reserves Municipality Committee Bhakkar .1				
De-watering sets	5	5	0	2
Bucket Tractor	1	0	1	1
Generator 5 KVA	4	4	0	-
Front Bladder Truck	2	-	2	1
Sewerage Safety Equipment	2	2	-	1
Tractors/ Trolleys	6	3	3	3
Water Sprinkling Lorry	1	1	0	1
Sucker Machine	2	2	-	-
Jetting Machine	1	1	-	-
Tentage	60	60	-	-
Car BKA-995	1	1	-	-
Jeep 3655	1	1	-	-
Suzuki Marghala	1	0	1	-
Suzuki Pickup	1	1	-	-
Dengue Bridge Suzuki Pickup	1	1	-	1
Container Truck	1	1	-	10
Loader Rikshaw	9	8	1	10
Strategic Reserves Municipality Committee Darya Khan .2				
De-watering sets	02	02	01	03
Generator	02	01	01	02
Fog Machines	04	0	04	10
Container Carrier	1	0	0	1
Tractors/ Trolleys	5	5	0	02
Water Tanks /Bouzers	01	01	0	01
Car	01	Repairable	-	-
Tractor with Bucket	01	1	0	5
Hand Spray Pump	06	00	06	00
Strategic Reserves Municipality Committee Kallurkot .3				
Tractor	04	03	01	-
Trolley	02	01	01	-
Front Bucket	01	01	00	-
Water sprinkling tanker	01	01	00	-
Sucker Machine	01	01	00	-
Rakhsh loader	03	03	00	-
Dewatering Set	01	01	00	-
Hand Carts	12	12	00	-
Water boats	01	01	00	-
Cultus car	01	01	00	-
Strategic Reserves Municipality Committee Mankera. 5				
Solid Waste management Tractors / Trolley	01	01	00	-
Sucker Machine	01	01	00	-
Dewatering Set	01	01	0	-
Generator	01	0	01	-
Tractor front & loader	01	01	00	-
Jetting Machine	01	01	00	01
Spry Pumps	05	05	00	01
Desilting Machine	01	01	00	01
Strategic Reserves Civil Defense				
Fire Extinguishers	32	32	-	-
Mega Phone	02	02	-	-

First Aid Box	10	10	-	-
Stretcher	10	10	-	-
Red Blanket	10	10	-	-
Steel Helmet	50	50	-	-
Automatic Escape	02	02	-	-
Drill Machine	02	02	-	-
Electric Cutter	02	02	-	-
Chain Pully	01	01	-	-
Pipe Wrench	02	02	-	-
Crow Bar	02	02	-	-
Iron Basket	20	20	-	-
Iron Buckets	20	20	-	-
Tent (Khaima)	03	03	-	-
Darri(Cotton) 10 x 12	04	04	-	-
Rope Manila	14	14	-	-
Bomb Tool Kit	01	01	-	-
Wire Cutter	02	02	-	-
Plaier Cutter	02	02	-	-
Hand Mounted Siren	02	02	-	-
Hammer Claw	04	04	-	-
Rescue Bag	04	04	-	-
Showal	10	10	-	-
Torch	08	08	-	-
Jumping Sheet	04	04	-	-
Gas Mask	10	10	-	-
Strategic Reserves Arid Zone Research Institute, Bhakkar				
Boom Spray	01	01	00	00
Gram Seed Drill	01	01	00	00
Rear Blade	01	01	00	00
Experimental wheat thresher	01	01	00	00
Experimental gram thresher	01	01	00	00
Water Tank	01	01	00	00
M/B Plough	01	01	00	00
Ridger/ Disc	01	01	00	00
Iron Tractor Trolley 12x16	01	01	00	00
Land Planer (1)	01	01	00	00
Rabi Chickpea Seed Drill	01	01	00	00
Cultivator	01	01	00	00
Ridger	01	01	00	00
Disc Harrow	01	01	00	00
Kharif Drill	01	01	00	00
Front Blade	01	01	00	00
FIAT 640 (BK4145)	01	01	00	00
FIAT 640 (MHB 9449)	01	01	00	00
FIAT 480 (BKA 654)	01	01	00	00
Tractor Trolley 14x7 x 2	01	01	00	00
Post Hole Diggar	01	01	00	00
Hydraulic Trolley	01	01	00	00
Fertilizer Spreader	01	01	00	00
Seed Drill	01	01	00	00
Combine thresher	01	01	00	00
Reaper	01	01	00	00
Laser Leveler	01	-	01	-
Gram Thresher	-	-	-	1
Wheat Mini Thresher	-	-	-	1
Happy Seeder	-	-	-	1
Strategic Reserves Assistant Agricultural Engineer (FO) Bhakkar				
NKD-250(Komatsu D50A17 Bulldozer)	08	08	00	00
Hino Loader BRF-6723	01	01	00	00
Strategic Reserves (Health)				
Generator	22	21	01	05
Tractor	01	01	00	10
Trolley	01	01	00	10

Dala (Shahzor)	00	00	00	05
Strategic Reserves (Highway M&R)				
Pick up	01	--	01	--
Truck	03	03	--	--
Tractor	01	01	--	02
Bulldozer	02	02	--	--
Motor Grader	02	02	--	--
D.R.R	14	14	02	--
Excavator	--	--	--	01
Jack Trolley	--	--	--	02
Mini Truck (Mazda)	--	--	--	01

Gaps and Constraints

- Communication gap is major issue during emergency / disaster between DEOC and the affected areas there must be a strong wireless communication for information n timely decisions and coordination amongthe department.
- Transportation of staff at the location of disaster.
- Non availability of proper heavy and latest equipments for search and rescue the victims specially in building collapse / earthquake and drowning cases.
- Major obstacles to providing humanitarian assistance Non accessibility of roads
- Security issues
- Logistic obstacles faced by District Govt time to time different sort of equipment as mentioned above is missing and request sent to concerned office technical man power is another bottle neck especially at the time of disaster

MITIGATION STRATEGY

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

Hazards	Mitigate Actions	Responsible Department
Floods	<ul style="list-style-type: none"> i. Maintenance of flood Protection Bunds ii. Awareness Raising iii. Community Based Disaster Risk Reduction iv. Emergency Response Kits at Village Level v. Periodic Multi Hazard Vulnerability and Risk Assessment (MHVRA) studies vi. Enforcement of Flood Plain Regulations vii. Clear roles and responsibilities in pre flood, during flood and post flood scenarios viii. Identification of evacuation and relief sites ix. Implementation of PDMA guidelines regarding flood x. Establishment of Control Rooms by all concerned xi. Regular DDMA meetings xii. Rescue 1122 to submit their plan including CERT team deployment xiii. Readiness certificates submission by all concerned xiv. Timely updation of list of private boats and volunteers by ACs, Rescue, Civil Defense, Social Welfare etc xv. Pre flood/moonson contingency preparation by all concerned as per PDMA requirements xvi. Timely inspection of sites for relief camps and ensuring their suitability xvii. Timely vaccination of flood prone areas by health and Livestock department xviii. Updation of list of relief camp incharges and sector incharges etc xix. Inspection of buildings during and after flood xx. XEN Highway to ensure breaches of respective roads xxi. Mobile teams of Health and Livestock department xxii. Disconnection of electricity of flood areas and timely restoration xxiii. Involving NGOs in all stages of flood preparation xxiv. Ensuring availability of Ata by Food Department xxv. Arrangement of fodder, husk, seeds, pesticides, fertilizers and medicines in adequate quantity by Livestock and Agriculture departments xxvi. Inspection of Flood Bunds and structures xxvii. Arrangement of Mock Exercise by Rescue 1122 involving all stakeholders xxviii. All department will ensure that the guide lines for prevention, mitigation, preparedness and response measures as lay down by national authority and provincial authority are followed in latter at spirit. xxix. All Departments will ensure the implementation of national, provincial and district plan and will play their role as mention in this plan. 	<ul style="list-style-type: none"> Irrigation Revenue DDMA Recue 1122 Civil Defense Social welfare Health Education Livestock & Dairy Development Department Agriculture Department Buildings department department Highway Department FESCO Police Department MCs DFC Information Department
Earthquake		

	<ul style="list-style-type: none"> i. Compliance of seismic provisions of Building Codes of Pakistan as a minimum standard for existing and new construction ii. Conduction of Evacuation Mock Drills at public and private institutions. iii. Deceleration of dangerous buildings iv. Multi Hazard Vulnerability and Risk Assessment (MHVRA) study v. Earthquake emergency related Rescu equipment and machinery are available and are in functional condition vi. Periodic mock exercises have been conducted to test equipment and machinery. vii. Also ensure that human resources equipped with desired skills required to deal with earthquake emergencies are available in the district. viii. Various drills and exercises along with awareness campaigns in community, schools and colleges 	<p>MCs C &W Education & Higher Education Rescue 1122 Civil Defense Education Department Health Department DDMA Information Department</p>
Drought	<ul style="list-style-type: none"> i. Encourage high efficiency irrigation practices by use of drip Bubbler, sprinkler irrigation etc. ii. Desertification trends be dealt with practices like sand dune fixation and shelterbelts plantations. iii. Protection Walls iv. Stoppage & reduction of irrigation induced seepage salinity & water logging, in the whole Thal area, which due to irrigation induced seepage of Chashma – Jhelum Link Canal (Non-lined Kacha Canal in the sandy area of Thal desert) v. Awareness of drought mitigation technologies, actions and interventions for farmers vi. Introduction of drought and heat resistant arid zone crops that are tolerant to reduced rain spells and are less prone to insects and pest attacks. vii. Measures to save livestock. viii. Multi Hazard Vulnerability and Risk Assessment (MHVRA) study ix. Drought Contingency Plans at Tehsil and District level x. Clear roles and responsibilities for drought mitigation and response xi. Encouraging cultivation of drought resistant crops 	<p>Agriculture Department Forest Department/civil Society Organizations Water Management Forest Department irrigation live stock DDMA Information Department</p>
Locust	<ul style="list-style-type: none"> xii. Ensuring implementation of national and provincial action plans. xiii. Regular preparation and updating of yearly Locust Control Contingency Plan and submission to the quarters concerned. xiv. Effective coordination mechanism. xv. Nomination of Focal Persons. xvi. Formation of surveillance committees at District, Tehsil and UC levels. xvii. Feedback and Monitoring Mechanism xviii. Regular survey and awareness activities in the farming 	<p>Agriculture Extension Department Pest Warning and Quality Control of Pesticides (PW&QCP) Department Revenue Department. DDMA LG&CDD</p>

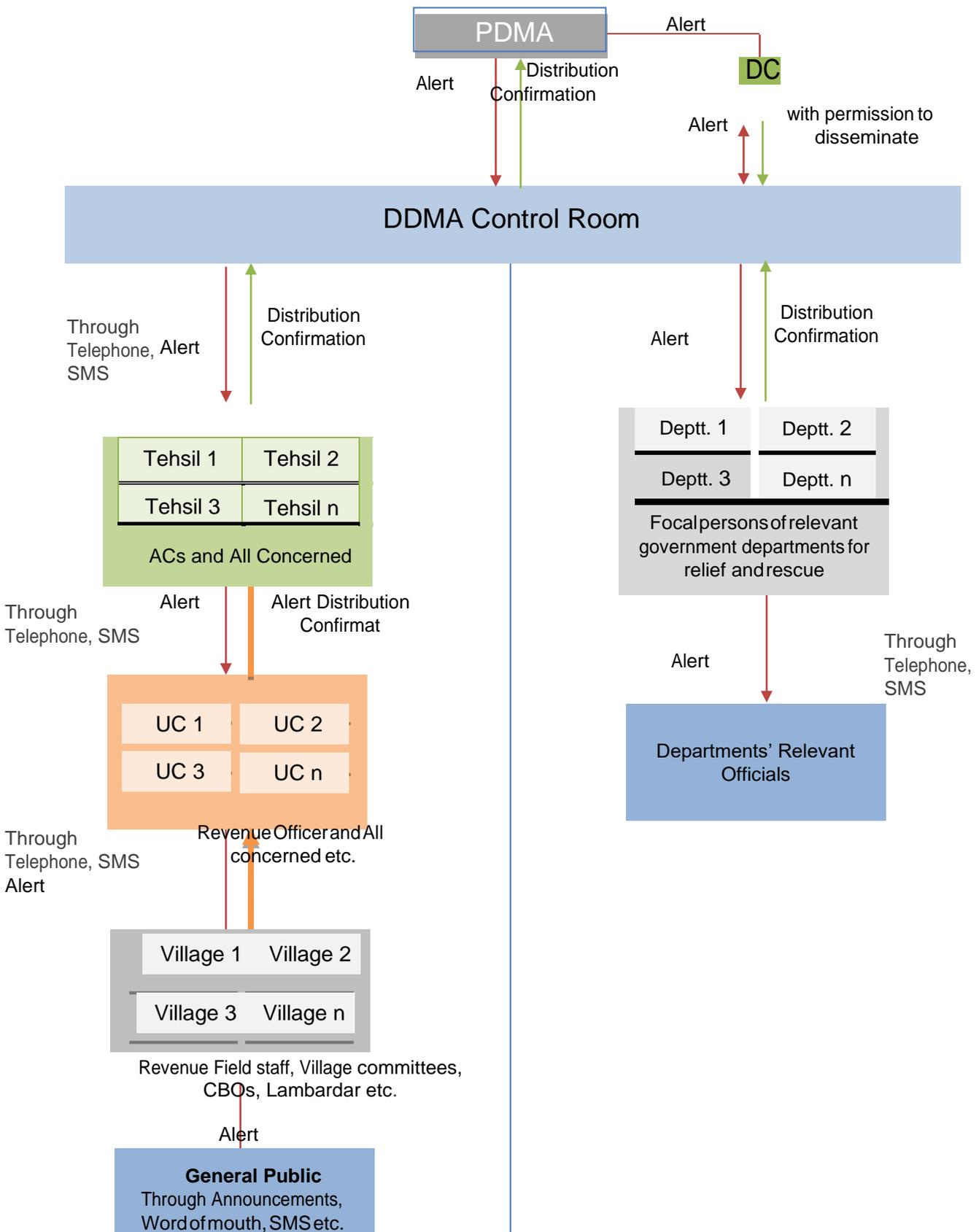
	<p>community.</p> <p>xix. Mega seminars at District and Tehsil levels.</p> <p>xx. Maintaining proper stock of pesticides during the year</p> <p>xxi. Capacity Building and trainings for the concerned HR</p> <p>xxii. Mock Exercises.</p> <p>xxiii. Training of farmers on locust control and corner meetings in villages</p>	<p>MCs</p> <p>Information Department</p>
Epidemics	<p>i. Preventive Actions</p> <p>ii. Awareness campaigns on regular basis</p> <p>iii. Medical Treatment of patients</p> <p>iv. Ensure 100 percent vaccination of the target group</p> <p>v. Convene regular meetings of all concerned departments to remain current and updated and plan for future course of action</p>	<p>Health Department</p> <p>MCs</p> <p>District Government</p> <p>DDMA</p> <p>Information Department</p>
Fire Incidents	<p>vi. Mock exercise, trainings, equipment</p> <p>vii. Installation of fire hydrants at narrow streets</p> <p>viii. Ensure installation of fire extinguisher at shops, offices and markets.</p> <p>ix. MCs should ensure that there is no encroachment</p> <p>x. on the way to potential fire prone buildings which can hinder firefighting operations.</p> <p>xi. Ensure that all building / potential vulnerable points have escape route for residents / workers in case of fire emergency</p> <p>xii. Ensure that fire extinguishing equipment is available and in functional condition and all security / firefighting teams know their location</p> <p>xiii. Ensure that security staff / firefighting staff is well trained and physical and medically fit to combat fire in case of emergency.</p> <p>xiv. Ensure that residents / workers of building and flashpoints are aware of emergency SOPs (to be followed in emergency situation) and know escape route</p> <p>xv. Ensure that all equipment and material required to combat fire with rescue department is ready, in order, functional and firefighting team is trained and all members are physically and medically fit to</p> <p>xvi. combat fire.</p> <p>xvii. Ensure that that health department has made all necessary arrangements (inclusive of human resources, equipment and medicines etc.) to deal with burn cases resulting from fire break out.</p> <p>xviii. Ensure that mock drills have regularly been conducted and firefighters are aware of the potential threats of fire emergency in their area (involving all stakeholders Rescue, Health, DDMA etc.)</p> <p>xix. DDMA should convene periodic meeting with all owners of such building periodically and inspection teams should visit all building, flash points (petrol and gasoline station) to ensure that all precautionary measures have been taken and</p>	<p>1122</p> <p>Civil defense</p> <p>MCs</p> <p>DDMA</p> <p>Health Department</p> <p>Forest Department</p> <p>Information Department</p>

	<p>fire extinguish equipments available (functional) and staff is trained.</p> <p>xx. should also include forest department in all meetings and operations</p>	
Other major accident building, collapse, road traffic accidents train accident stampede, plane crash.	<p>xxi. First aid and rescue trainings Infrastructure maintenance basic life supports trainings, installation of cautionary & informative sign boards and reflecting polls at roads/highways</p> <p>xxii. Installation of reflectors at slow moving vehicles checking of vehicles certification / clearance certificate.</p>	<p>Rescue 1122 Health Department Highway Police Traffic Police DRTA DDMA Information Department</p>
Smog	<p>xxiii. Close monitoring by Environment Protection Department. Shutting down of industries which are working without emission control equipments or are using substandard fuel.</p> <p>xxiv. Imposition of ban on burning municipal wastes and crop residues. Awareness campaign among farmers regarding that and for environmentally safe disposal of crop residues.</p> <p>xxv. Agriculture department to prepare, share and implement plan of disposal of crop residues.</p> <p>xxvi. Municipal corporations to ensure efficient collection and disposal of solid waste.</p> <p>xxvii. Issuance of Health Advisories and maintenance of data of smog related patients by Primary and Secondary Health Care Department</p> <p>xxviii. Devising of fugitive dust control mechanism and its implementation</p> <p>xxix. Checking of petrol pumps for safe storage of petroleum products</p> <p>xxx. Ensuring Municipal Laws compliance reporting</p> <p>xxxi. Clean and green activities in the district</p> <p>xxxii. Establishment of nurseries and tree plantation including awareness regarding this in the general public</p>	<p>Environment Protection Department Agriculture Department Industries Department Primary and Secondary Health Care Department. District Police LG&CDD Forest Department Punjab Housing and Town Planning Agency Building Department PHED Information Department MCs Traffic Police DDMA Information Department</p>
Other Environmental Hazards (industrial accidents, severe pollution etc.)	<p>i. Awareness raising/plantation/nurseries</p> <p>ii. alternate energy</p> <p>iii. Inspection & Correction</p>	<p>Environment Protection Department Education Social welfare Health Department DDMA Information Department</p>
Climate Change (Heat & and Extreme	<p>i. Implementation of National Climate Change Policy (2013) followed by Climate Change Act (2017)</p>	<p>Forest Department Agriculture Department</p>

Cold)	<ul style="list-style-type: none"> ii. Implementation of Water Policy: Pakistan approved Water Policy in April 2018. Besides, Punjab has a provincial water policy. The government's approval and implementation of the draft Punjab Water Policy (April 2017). iii. Implementation of Agriculture Policies: selection and use of climate resilient crops/agriculture and cropping patterns together with water-efficient irrigation systems are need of the time. iv. Revision of infrastructure designs (such as bridge piers, buildings plinth levels, buildings HVAC, roads) based on climate change assessment. v. Provision of shelter during extreme cold and establishment of shades for extreme heat and other measures to control heat shocks including awareness campaigns vi. Adequate health facilities provision; vii. Adequate control and measures against viral disease viii. Encouraging urban forestation; ix. Adequate control and measures against viral diseases; x. Adaptation of best agriculture practices and use of climate resilient crops; xi. Use of least water-intensive crops and water efficient irrigation systems such as sprinkler and drip irrigation, particularly where rice and sugar cane are grown, xii. Adaptation of best water management practice, such as lining of watercourses and land leveling together with demand-based supplies using soil moisture sensors; xiii. Launching of farmers' awareness schemes to educate them about climate change risks, efficient irrigation systems, use of best available seeds variety, changes in cropping patterns; xiv. Growing of more trees to control temperature and to reduce water losses together with adverse climate change impacts; xv. Changes in cropping patterns to increase food production and to cope up with the rise in food demand and water losses; xvi. Parthenium and other such types of weeds should be treated through biological treatment and Integrated Pest Management (IPM), xvii. Public awareness schemes, and capacity building of line departments' staff to educate people about climate change risks and adaptation measures; xviii. Well managed operation and maintenance to avoid water loss 	<p>Water Management Department DDMA Social Welfare department Health Department Environment Protection Department Information Department</p>
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EARLY WARNING

Information Flow Diagram



Alertness Levels

Following four levels alertness have been established:

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

- On the early warning will be communicated to the relevant population? e.g., through Patwari, SMS, Announcements, Media etc.
- The information/early warning will be received by DC / ADCR and District Control Room from provincial level control room.
- ADCR will be focal person for early warning / coordinating and supervising the disaster relief measures in the district.
- The district control room will intimate the information to the focal persons of DDMA, departments & Public Representatives and Tehsil Control room and will issue the alert to concerned department.
- After the intimation from Control Room all departments will take appropriate measures for evacuation, first aid, security and relief etc. as per their role and responsibilities
- Tehsil control room will issue early warning through telephone and revenue field staff to concerned chairman and councilors of the area.

RESCUE STRATEGY

- DEOC / district control room shall intimate to all concerned department / agencies and Rescue 1122, Police, shall rush to emergency / disaster effected area. Evacuation, Medical assistance and rescue shall be made by rescue 1122 in coordination with line agencies in coordination with TMA and Health and other stake holders.
- Police will be responsible to maintain law & order situation and for security of peoples/ agencies. Complex emergencies shall be lead by police and rescue 1122 will support the rescue activates.
- Pak army will be requested by chairman DDMA in accordance with govt SOPs, after
- DDMA meeting keeping in view nature and magnitude of disaster / emergencies.

HUMANITARIAN ASSISTANCE

- Humanitarian Assistance is extremely helpful in coping up disasters.
- The DC will comprise a committee regarding collection of data of house damages and losses and communicated to higher level by the SNAs / ADCR.
- Relief camp incharges / revenue staff and the social welfare department will have determined the needs of the effected people. DDMA, civil society and local volunteers provide the assistance to affectees from early warning, search and rescue, medical assistance to relief activities.
- Government instructions shall be followed for standardization of different packages like food, kits etc.
- DC will establish a humanitarian assistance mechanism establishing a committee to avoid duplication and to identify gaps.
- Camp management SOPs shall be followed as per DDMP attached guidelines. District Govt have capacity for at least 18000 persons to provide assistance
- The District Govt is very keen for the protection especially Govt gender-based protection is on the first in agenda, especially keen for children and person with disabilities. DDMA will ensure it with the help of NGOs and civil societ

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

S#	Location	No. of persons which can be accommodated	GPS Coordinates	S#	Location	No. of persons which can be accommodated	GPS Coordinates
1	BHU Sial	800	X: 31.638039 Y:71.000358	16	Boys Primary School Tiba Naina Kanjan	3000	X: 31.972759 Y:71.161272
2	UC Office Dhandla	1000	X: 31.467595 Y:70.931673	17			X: Y:
3	BHU Kotla Jam	2000	X: 31.703363 Y:71.094309	18			X: Y:
4	RHC Behal	2000	X: 31.412101 Y:71.013721	19			X: Y:
5	UC Office Notak	2200	X: 31.476154 Y:71.029030	20			X: Y:
6	BHU Yousaf Shah	2400	X: 31.413405 Y:70.936515	21			X: Y:
7	BHU Kahawar Kalan	900	X: 31.734141 Y:70.10167	22			X: Y:
8	BHU Panjgrain	1200	X: 31.917957 Y:71.155628	23			X: Y:
9	BHU Hassan Shah	1500	X: 31.854841 Y:71.119941	24			X: Y:
10	HC Landi Nasheb	1200	X: 31.836383 Y:71.424254	25			X: Y:
11	Primary School Dagar Noon	1200	X: 32.106044 Y:71.229526	26			X: Y:
12	UC Office Mallana Daggar	1000	X: 31.153759 Y:71.264554	27			X: Y:
13	Boys Primary School Gidranwali	1500	X: 32.197264 Y:71.182831	28			X: Y:
14	UC Office Kanjan	500	X: 31.972026 Y:71.172555	29			X: Y:
15	BHC Maibel	1000	X: 32.034722 Y:71.19848	30			X: Y:

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

Hazards	Tehsils	UCs	Names of Revenue Estates
Floods	Bhakkar Darya Khan Kallurkot	Noon Dagar Kanjani Dagar Maibal Dagar Klwal Daggar Majoka Panj Grain Nasheb Lak Kalan / Kharal Kachi Shahni Sayal Badyani Hummu Wala Bait Bogha Dhandla	Gidranwali Jhoke Yaran Kallurkot Nasheb Noon Nasheb Mallana Nasheb Sagu Janubi Akbar Kalera Langer Mira Kanjani Nasheb katcha Mai Roshan Nasheb Rohela Gharbi Maible Nasheb Katcha Kanjani Nasheb Pacca Umerwali Nasheb Bhulla Rohela Sharqi Kohawar Khurd MaibleNasheb Pacca Kalwal Nasheb Majoka Jhoke Shah Muhammad Kanial Kirar Noon Jhoke Khichanwali Lak Kalan Karlool Balochanwali Vehe Kharal Jhoke Chela Ram Pahore Gashkori Basti Noor Khan DiD shahani Bakhary Wali

			Sohla Hadaran Rehman wali Fateh Jamali Khai Jamali Dhap Sial Gujja Jhandeer Abad/Nak Kappi Bakhsha Basti Mian Khan Mia Muhammad Bhatti Binda bahu Shah Badiani Bait Makhi wala Bharmi Chiragh Shah Bharmi Nawab Hummu Wala Bait Bogha Basti Hamza Bhir Rashid Shah Kathanwala Dhandla Jhok Faqir Atta Muhammad
Locust (2019)	Mankera		Rural Mankera Karlowala Dhingana Rakh Mahni Mahni Rakh ChikKan Jhangi Ram Chak # 1 Rakh Hyderabad Chak # 2 Rakh Hyderabad Chak # 11 RakhHyderabad Chak # 14 Rakh Hyderabad Chak 4 Rakh Dhingana Bhidwal wala
Earthquake	Anywhere in the district	Anywhere in the district	Anywhere in the district
Drought	Anywhere in the district	Anywhere in the district	Anywhere in the district
Epidemic	Anywhere in the district	Anywhere in the district	Anywhere in the district
Environmental Hazards (industrial accidents, severe pollution etc.)	Anywhere in the district	Anywhere in the district	Anywhere in the district

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

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	DHQ Hospital Bhakkar UC Bhakkar Urban-I Bhakkar City	X: 32.09 Y:72.65	Secondary	Dr. Muhammad Akram Ch. 03367951996 0453-9200197-98	Earthquake
2	THQ Hospital Darya Khan UC Darya Khan Urban Tehsil Darya Khan	X: 31.79 Y:71.10	Secondary	DR. Muhammad Ibrahim 03367789235 0453-252959-253059	Earthquake Flood
3	THQ Hospital Kalur Kot UC Kalur Kot Tehsil Kalur Kot	X: 32.14 Y:71.27	secondary	Dr. Altaf Hussain 03017957152 0453-200781-82	Earthquake Flood
4	THQ Hospital Mankera UC Mankera Tehsil Mankera	X: 31.39 Y:71.44	Secondary	Dr. Khalid Javed 03336842465 0453410200	Earthquake Desert Storming
5	RHC Behal UC Behal Tehsil Behal	X: 31.41 Y:71.01	Primary	Dr. Muhammad Azhar Hussain 03336844489 0453-432077	Earthquake Flood
6	RHC Dullewala UC Dullewala Tehsil Daryakhan	X: 31.83 Y:71.42	Primary	Dr. Muhammad Farhan Akbar 03017699332 0453-445135	Earthquake Flood
7	RHC Jandanwala UC Jandanwala TehsilKallur kot	X: 32.07 Y:71.62	Primary	Dr. Muhammad Assad Khan Niazi 03322277727 0453-440040	Earthquake Desert Storming
8	RHC Haiderabad UC Haiderabad	X: 31.35 Y:71.68	Primary	Dr. Imtiaz Hussain 0453-520260	Earthquake Desert Storming

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
9	RHC Dhandla	X:31.42 Y:70.96	Primary	Dr. Saif Ullah Khalid 03320744358 0453-440040	Earthquake Flood
10	BHU Kotla Jam	X: 31.69 Y:71.08	BHU	Tahira Zaib Medical Officer / Women Medical Officer 03370730728	Earthquake
11	BHU Chuni Shumali	X: 31.68 Y:71.07	BHU	Dr. Hassam Aziz Medical Officer / Women Medical Officer 03365041883	Earthquake
12	BHU Kachi Shahani	X: 31.71 Y:71.00	BHU	Muhammad Hasnain Medical Assistant 03446881819	Flood\Earthquake
13	BHU Sial	X: 31.63 Y:71.00	BHU	Ume Ammara Wahid Medical Officer / Women Medical Officer 03063951184	Flood\Earthquake
14	BHU Peer Ashaab	X: 31.57 Y:71.00	BHU	SHAZIA KHAN Medical Officer / Women Medical Officer 03315203311	Earthquake
15	BHU Mullanwali	X: 31.54 Y:71.00	BHU	Dr. Tanveer Hussain Medical Officer / Women Medical Officer 03444631684	Flood\Earthquake
16	BHU Notak	X: 31.47 Y:71.02	BHU	Arshad Iqbal Medical Officer / Women Medical Officer 03430646164	Earthquake
17	BHU Yousaf Shah	X: 31.41 Y:70.95	BHU	Dr. Ayesha Mehmood Medical Officer / Women Medical Officer 03344398671	Flood\Earthquake
18	BHU Muslim Kot	X: 31.56 Y:71.21	BHU	Soneya Parveen Medical Officer / Women Medical Officer 03347879331	Earthquake
19	BHU Sarae Muhajir	X: 31.50 Y:71.23	BHU	ABDUL REHMAN 03025051382	Earthquake
20	BHU Dagar Rehtas	X: 31.63 Y:71.16	BHU	Dr. Muhammad Ali Medical Officer / Women	Earthquake

				Medical Officer 03078699963	
21	BHU Mahoney Wala	X: 31.69 Y:71.22	BHU	Dr. Muhaiman Riaz Medical Officer / Women Medical Officer 03015211009	Earthquake
22	BHU Khansar	X: 31.65 Y:71.33	BHU	Dr. Muhammad Waseem Abbas Khan Medical Officer / Women Medical Officer 03157489514	Earthquake
23	BHU 47 TDA	X: 31.53 Y:71.16	BHU	ZAFAR ULLAH KHAN School Health and Nutrition Supervisor 03338053809	Earthquake
24	BHU Bharmi Nawab	X: 31.43 Y:70.95	BHU	Muhammad Zareef School Health and Nutrition Supervisor 03457648424	Flood\Earthquake
25	BHU Kohawar Kalan	X: 31.73 Y:701.09	BHU	Dr Adnan Abbas Nizami Medical Officer / Women Medical Officer 03017403311	Earthquake
26	BHU Barkat	X: 31.81	BHU	Dr. Hafsa Malik Aulakh Medical Officer / Women Medical Officer 03341477846	Earthquake
27	BHU Dagar Qureshi	X: 31.84 Y:71.17	BHU	Dr. Shahryar Haider Medical Officer / Women Medical Officer 03205473048	Earthquake
28	BHU Chak 9/TDA	X: 31.87 Y:71.18	BHU	Dr. zahid Akhtar Medical Officer / Women Medical Officer 03064931670	Earthquake
29	BHU Panjgiraen	X: 31.92 Y:71.15	BHU	Raheela Shakeel School Health and Nutrition Supervisor 03237258205	Earthquake
30	BHU Hassan Shah	X: 31.83 Y:71.11	BHU	Dr. Muhammad Zafar Abbas Medical Officer / Women Medical Officer 03421570396	Earthquake
31	BHU Jhammat Shumali	X: 31.85 Y:71.55	BHU	Dr. Sahrish Gul Medical Officer / Women Medical Officer	Earthquake

				03066549372	
32	BHU Baranga	X: 31.91 Y:71.43	BHU	Dr. Zeshan Hameed Medical Officer / Women Medical Officer 03457644268	Earthquake
33	BHU Noora	X: 32.13 Y:71.66	BHU	Dr. Sehrish Naseer Khan Medical Officer / Women Medical Officer 03465512631	Earthquake
34	BHU Chak 63/DB	X: 32.04 Y:71.68	BHU	Dr. Muhammad Ilyas Khan Medical Officer / Women Medical Officer 03070178872	Earthquake
35	BHU Fazil	X: 31.98 Y:71.46	BHU	Dr.MUHAMMAD ADIL KHAN Medical Officer / Women Medical Officer 03123163121	Earthquake
36	BHU Saeed Wala	X: 32.02 Y:71.34	BHU	Muhammad Mansha School Health and Nutrition Supervisor 03452208609	Earthquake
37	BHU Dagar Noon	X: 32.10 Y:71.22	BHU	MUJIB UR REHMAN School Health and Nutrition Supervisor 03327622472	Earthquake

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
38	BHU Maibal	X: 32.04 Y:71.20	BHU	IJAZ HUSSAIN Dispenser 03347640710	Earthquake
39	BHU Bast MAi Roshan	X: 31.98 Y:71.16	BHU	Dr. Yamna Tariq Medical Officer / Women Medical Officer 03000000000	Earthquake
40	BHU Hassan Wala	X: 32.17 Y:71.44	BHU	Muhammad Ishfaq Dispenser 03017952812	Earthquake
41	BHU Jahan Wala	X: 32.28 Y:71.60	BHU	Muhammad Shabib Hussain Raza Medical Officer / Women Medical Officer 03338802603	Earthquake
42	BHU Shaheedan	X: 31.90 Y:71.71	BHU	Dr. Irfan Shokat Medical Officer / Women Medical Officer 03455551234	Earthquake
43	BHU Chak 67/ML	X: 31.39 Y:71.22	BHU	Dr Taslim Raza Medical Officer / Women Medical Officer 03062971092	Earthquake
44	BHU Daggar	X: 31.25	BHU	TARIQ HABIB School Health and Nutrition Supervisor 03347609707	Earthquake
45	BHU Mahni	X: 31.52 Y:71.84	BHU	Dr. Muhammad Farooq Umer Chhena Medical Officer / Women Medical Officer 03156051248	Earthquake
46	BHU Litten	X: 31.52 Y:71.49	BHU	Dr. MUHAMMAD FARHAN MUNIR Medical Officer / Women Medical Officer 03035508584	Earthquake
47	BHU Karlu Wala	X: 31.55 Y:71.61	BHU	Dr. Ansar Abbas Medical Officer / Women Medical Officer 03451655296	Earthquake
48	BHU Gohar	X: 31.38 Y:71.44	BHU	Dr. Talha Suleman	Earthquake

	Wala			Medical Officer / Women Medical Officer 03317291061	
49	BHU Chak 73/ML	X: 31.32 Y:71.22	BHU	Dr. Muhammad Kaleem Ullah Medical Officer / Women Medical Officer 03366470095	Earthquake

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GES Chak No.49 TDA	school	X: 31.63 Y:71.06	346	Muhammad Aslam EST	0333-8054944
2	GPS Chak No.79/ML	school	X: 31.62 Y:71.05	135	Muhammad Rashid PST	0342-6279922
3	GES Chak No.78/ML	school	X: 31.60 Y:71.09	245	Siraj Din SST	0333-8044846
4	GES Chak No.53 TDA	school	X: 31.49 Y:71.12	151	Mushtaq Ahmad SST/HM	0334-6508333
5	GPS Chak No.56 TDA	school	X: 31.48 Y:71.09	57	Muhammad Yaseen PST	0333-7539345
6	GPS Ghilkin	school	X: 31.70 Y:70.99	173	Ijaz Ul Haq PST	0332-7631958
7	GPS Basti Khokhar	school	X: 31.48 Y:71.01	73	Muhammad Gulfam PST	0331-8796689
8	GHS Chak No.42-43/TDA	school	X: 31.63 Y:71.06	330	Intazar ITM	0333-6848421
9	GES Rakh Mahota Khansar	school	X: 32.30 Y:71.37	171	Mulazim Hussain SST	0345-7647514
10	GPS Ameer Wala	school	X: 31.59 Y:71.22	83	Aftab Ahmad PST	0335-1252884
11	GPS Bakhray Wala	school	X: 31.72 Y:70.99	115	Mehboob Hussain PST	0333-8045243
12	GPS Chak No.207/TDA	school	X: 31.43 Y:71.16	82	Sabir Hussain PST	0343-7864236
13	GPS Chak No.52/TDA	school	X: 31.49 Y:71.15	252	Muhammad Ibrahim PST	0306-4941927
14	GPS Chak No.63 TDA	school	X: 31.62 Y:71.05	201	Sajjad Hussain PST	0333-5546439
15	GES Chak No.62/ML	school	X: 31.52 Y:71.13	210	MoeenUdDeen SST	0333-6845207

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
16	GPS Chak No.57-58/ML	school	X: 31.50 Y:71.22	186	Muhammad Asif PST	0333-6785319
17	GPS Chak No.45 TDA	school	X: 31.63 Y:71.06	233	Muhammad Sohail PST	0302-9212260
18	GES Chak No.60-61/ML	school	X: 31.52 Y:71.13	270	Muhammad Aamir SST	0333-8903015
19	GPS Jhokan	school	X: 31.52 Y:70.92	140	Altaf Hussain	0337-1737735
20	GMPS Mithoo	school	X: 31.46 Y:70.91	51	Farzana Khadim PST	0333-7752622
21	GES Bait Bogha	school	X: 31.39 Y:70.86	223	Yasir Aqeel SSE	0314-5471595
22	GPS Hamzay Wali	school	X: 31.38 Y:70.91	106	Muhammad Yaseen	0341-7862527
23	GPS Sawer Cup	school	X: 31.50 Y:70.94	188	Mazhar Nawaz	0343-7965191
24	GES Chak No.33 TDA	school	X: 31.74 Y:71.09	247	Bashir Hussain Bhatti SST	0343-7868028
25	GPS Chak No.34 TDA	school	X: 31.74 Y:71.09	82	Muhammad Hussain PST	0333-8048383
26	GES MOH: KHIMTAN WALA	school	X: 31.79 Y:71.10	196	Khursheed Alam SST	0333-4725922
27	GPS CHAK NO 15 TDA	school	X: 31.81 Y:71.19	102	Muhammad Ramzan PST	0300-7789873
28	GPS LOT NO 58	school	X: 31.79 Y:71.27	42	Muhammad Javed PST	0306-4948204

ANNEX V: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S #	Industry Name	Location	GPS Coordinates	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	RiskLevel (low, medium, high)	Prone to Hazard? Fire/ Floods/Earthquake
1	Fecto sugar mills (darya khan sugar mills)	darya khan	X: 31.77 Y:71.11	chemical	Asif Nawaz 0453-252759 0300-8633850	high	fire and earthquake
2	Al Noor dal mills	Mankera	X: 31.35 Y:71.68	Chemical	M.Asad 0333-4352795	medium	fire and earthquake
3	Islam dal mil	darya khan	X: 31.83 Y:71.41	Chemical	Naveed ahmad 0321-4449644	Medium	fire and earthquake
4	RC pipefactory	Bhakkar	X: 31.67 Y:71.08	Chemical	Haji Basher Ahmad 0423-5117086 Qaisar Abbas 0423-5117086	Medium	fire and earthquake
5	Friends Cotton Factory	Darya Khan	X:31.75 Y:71.10	-	Malik Sibtain 0333-9992345	Medium	fire and earthquake
6	Fazal Kareem Cotton Factory	Bhakkar	X: Y:	Biological	Fazal Karim 0315-6841359	Medium	fire and earthquake
7	Bhakkar Flour Mills, Bhakker, 3 Km Jhang Raod Bhakkar	Bhakkar	X:31.72 Y:72.296	Chemical	0453-514095	Medium	fire and earthquake
8	Shahani Flour Mills, Dajal Bhakkar	Bhakkar	X: 31.73 Y:71.003	Chemical	0333-6843149	Medium	fire and earthquake
9	Faheem Flour Mills, Darya Khan Road Bhakkar	Bhakkar	X: 31.74 Y:71.101	Chemical	0453-252266-77	Medium	fire and earthquake
10	Awais Cotton Factory, Gadola Road, Tehsil Bhakkar	Bhakkar	X: 31. Y:71.	Biological	0453-510851, 0334-7602262	Medium	fire and earthquake
11	Madina Cotton Factory, Mehboob Nagar, Jhang Road Bhakkar, Tehsil Bhakkar	Bhakkar	X: 31.594 Y:71.120	Biological	0453-30801	Medium	fire and earthquake
12	Makkah Cotton	Bhakkar	X:31.60	Biological	0453-511731	Medium	fire and

	Factory, Jhang Road Bhakkar, Tehsil Bhakkar		Y:71.099				earthquake
13	Bilal Cotton Factory, Chak No. 42-43 Road, Tehsil Bhakkar	Bhakkar	X: 31. Y:71	Biological	0333-6841631, 0453-309931	Medium	fire and earthquake
14	Sadaf Cotton Factory & Oil Mill, Mm Road, Taj Chowk, Tehsil Kalur Kot	Kallur Kot	X: 31.171 Y:71.506	Biological	0300-6344333	Medium	fire and earthquake
15	Makkah Cotton Factory, Zamay Wala, Tehsil Kalur Kot	Kallur Kot	X: 31. Y:71	Biological	0333-6841973	Medium	fire and earthquake
16	Ahmed Cotton Factory, Cheena Adda, Tehsil Bhakkar	Bhakkar	X: 31.242 Y:71.961	Biological	0333-6847040	Medium	fire and earthquake
17	Al- Rehman Cotton Factory, Mm Road, Fazil, Tehsil Kalur Kot	Kallur Kot	X: 31. Y:71	Biological	0301-4257022	Medium	fire and earthquake
18	Al- Qayoom Cotton Factory, Zamay Wala, Tehsil Kalur Kot	Kallur Kot	X: 31. Y:71	Biological	0301-7968073	Medium	fire and earthquake
19	Haq Cotton Industry, Sargodha-Kalur Kot Road, Rodi, Tehsil Kalur Kot	Kallur Kot	X: 31. Y:71	Biological	0300-7711168	Medium	fire and earthquake
20	Four Star Coton Industry & Oil Mill, Kalur Kot, Jandan Wala, Tehsil Kalur Kot	Kallur Kot	X: 31. Y:71	Biological	0345-8634580	Medium	fire and earthquake
21	Mamdani Cotton Factory, Gohar Wala Road, Khansar, Tehsil Bhakkar	Bhakkar	X: 31. Y:71	Biological	0345-7641727	Medium	fire and earthquake
22	Jaddah Cotton Factory, Jhang Road, Tehsil Bhakkar	Bhakkar	X: 31. Y:71	Biological	0333-6841061	Medium	fire and earthquake
23	Madina Cotton/Ice Factory Jhang Road Bhakkar	Bhakkar	X: 31. Y:71	Biological	0334-5144494	Medium	fire and earthquake

ANNEX VI: LIST OF NGO WORKING IN THE DISTRICT

S #	NGO Name	NGO Type (Local, National, International)	Location Where They are working	Sector/Clust er of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
1.	Jinnah Welfare Council Railway road Bhakkar	Local	Bhakkar	Education	Fahad Asghar Khan	0333- 1521214
2.	Anjuman Falah-e- Insaniyat Kotla Jam Bkr	Local	Kotla Jam Bhakkar	Education Health	Qazi Ishfaq	0334- 7645412
3.	Zubaida Educational Welfare Society Mandi Town Bhakkar	Local	Bhakkar	Education	Yasoob Haider Naqvi	0333- 6844007
4.	District Social Welfare Council Mandi Town BKR	Local	Bhakkar	Education	Shah Nawaz	0333- 8054218
5.	Qadir Foundation Behal road Bhakkar	Local	Bhakkar	Health, Education, Women Welfare	Aslam Bhutta Abdul Aziz	0345- 7647740 0453- 511191
6.	Anti Cancer Society Nazeer Town Bhakkar	Local	Nazir Town Bhakkar	Health	Javid Israr	0333- 6846610
7.	Shehr Yar Foundation Siddique Medical Complex Khansar road Bhakkar	Local	Bhakkar	Health, Women Welfare	Malik Shehzad	0334- 7638608
8.	Phyze Welfare Society MandiTown Bhakkar	Local	Bhakkar	Education Health	Altaf Shah	0333- 6849668 0453- 512288
9.	Rehmat Social Welfare Society Chak No 46/TDA Bhakkar	Local	Chak No.46/TDA Bhakkar	Education, Health, Women Welfare	Abdul Majeed	0333- 8904913
10.	Youth for Development G-3 Officer Colony Bhakkar	Local	Bhakkar	Education	Ch. Atif Riaz	0300- 4556632
11.	Tanzeem Tahfuz-e- Maholiyat Nasir Hospital Bhakkar	Local	Bhakkar	Health, Enviorment	Aslam Jan	0333- 6573418
12.	Patients Welfare Society DHQ (H) Bhakkar	Local	Bhakkar	Health	Muhammad Khan Awan	034675779 05
13.	Patients Welfare Society THQ (H) Darya Khan Bhakkar	Local	Darya Khan Bhakkar	Health	Dr. Alam Sajid	0334- 7950100
14.	Patients Welfare Society THQ (H) Tehsil Mankera Bhakkar	Local	Mankera Bhakkar	Health	Mulazim Hussain	0333- 8903254
15.	Anjuman Falah-e- Marizan Jamia Rasheedia Bkr	Local	Bhakkar	Health	Rao Yaqoob	0333- 6844794
16.	Tahreem Foundation Sardar Bakhsh road Bkr	Local	Bhakkar	Health Women Welfare	Mussarat Yasmeen	0344- 4712834
17.	District Anti TB Association near Aadil center BKR	Local	Bhakkar	Health, Women Welfare	Asim Moaz	0333- 6844212

18.	Paali Welfare Foundation Al jannat ice factory Darya Khan Bhakkar	Local	Darya Khan Bhakkar	Enviorment	Mrs. Parveen Ashraf	0323-4013202
19.	Pakistan Association of the Blind near Mills colony Bhakkar	Local	Bhakkar	Welfare of the blind persons	Malik Zafar Iqbal	0333-7080909
20.	Awami Welfare Society Gharbi Bazar Bhakkar	Local	Bhakkar	Awareness	Mehboob Khan	0333-9727374

ANNEX VII: LIST OF VOLUNTEERS

Sr #	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
CIVIL DEFENSE LIST OF VOLUNTEERS						
1.	Muhammad Azeem S/O Muhammad Saleem	38101-7467931-9	Behal road Bhakkar	0344-4280726	B+	2 Hour
2	Muhammad Zeeshan S/O Muhammad Ilyas	38101-3980418-3	183 T.D.A Bhakkar	0341-6771117	B+	2 Hour
3	Naeem Ullah S/O Aziz Ullah	38101-2523990-7	Mounday wali Bhakkar Nashaib	0340-4869216	B+	2 Hour
4	Ghulam Rabbani S/O Ghulam Jilani	38101-2836815-9	Alamabad Bhakkar	0331-6884440	B-	2 Hour
5	Ghulam Murtaza S/O Muhammad Tufail	38101-0697958-3	Nazir Town Bhakkar	0303-3087570	B+	2 Hour
6	Lal Ahmad S/O Ghulam Yasin	38101-3695690-9	Shahani Bhakkar Nashaib	0342-7435925	O+	2 Hour
7	Muhammad Ramzan S/O Muhammad Rafaq	38101-5305962-1	58 T.D.A Bhakkar	0342-0809617	B+	2 Hour
8	Muhammad Ashraf S/O Zulfiqar Ali	38101-5926852-1	34 T.D.A Bhakkar	0349-7629905	B+	2 Hour
9	Muhammad Saleem S/O Allah Bukhsh	38101-6237593-7	Daya Murad Tehsil Darya Khan District Bhakkar	0344-9402936	B+	2 Hour
10	Khalil-Ur- Rehman S/O Muhammad Ismail	38101-9640899-5	183 T.D.A Bhakkar	0305-6418671	O+	2 Hour
11	Muhammad Sajid S/O Sh: Muhammad Amin	38101-3270665-9	Ward No.3 Gadola road Bhakkar	0335-9569009	A+	2 Hour
12	Muhammad Imtiaz S/O Muhammad Azeem	38101-1815531-7	Green Town Bhakkar	0334-1478682	B+	2 Hour
13	Munawar Hussain S/O Muhammad Shafi	38101-8132424-5	59 T.D.A Bhakkar	0347-1738360	B+	2 Hour
14	Abdul Rehman S/O Ghulam Muhammad	38101-0633093-3	Ward No.2 Gadola road Bhakkar	0346-9292380	B+	2 Hour
15	Muhammad Shoaib S/O Muhammad Sarwar	38101-6180698-5	Eid Gah Janubi Bhakkar	0336-4449091	B+	2 Hour
16	Muhammad Tariq S/O Allah Bukhsh	38101-3395035-1	Daya Murad Bhakkar	0348-1257735	AB+	2 Hour
SOCIAL WELFARE LIST OF VOLUNTEERS						

S #	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	Misam Abbas	32203-3890362-3	Mandi Town Bhakkar	0334-7647705	A +	
2	Muhammad Murtaza Haider	42101-9374006-1	Mandi Town Bhakkar	0336-7770380	O -	
3	Pro. Abdul Majeed	38101-0679884-3	Chak 40 TDA Tehsil Bhakkar	0333-8904913	O+	
4	Malik Rab Nawaz	38101-0648335-9	Muhalla Luharan Wala Bhakkar	0333-6843040	B -	
5	Eshaq Hussian	38101-0669748-5	Girls Collage Road Bhakkar	0321 - 7792009	A +	
6	Muhammad Ashiq	38101-0627017-7	Muhalla Cha Kamal Wala BHakkar	0333-8905445	O -	
7	Aman Ullah	38101-0564884-9	Muhalla Cha Sharmu Wala Bhakkar	0333-8043366	A+	
8	Abdul Aziz	38101-1052080-7	House Number 41 Muhalla Jafria Bhakkar	0333-6849042	O+	
9	Hasnain Bukhari	38101-0650921-1	Muhalla Sadad Sardar Bhaksh Bhakkar	0333-6841650	A-	
10	Rana Jamshed	38101-0560461-3	House Namber 164 Muhalla Jamia Rashidia Bhakkar	0333-6843511	A+	

ANNEX VIII: POLITICAL CONSTITUENCIES

National Constituencies					Provincial Constituencies				
S r #	Name of constituency	Name of Sitting Parliamentarian	Profession	Contact Number	S r #	Name of constituency	Name of Sitting Parliamentarian	Profession	Contact Number
1	Bhakkar	Dr. Afzal Khan Dhandla	Doctor	0300-7789595	1	Bhakkar	Aamir Inayat Khan	Landlord	0333-4341716
					2	Darya Khan	Saeed Akbar Khan	Landlord	0300-8478352
2	Kallurkot	Sana Ullah Masti Khel	landlord	0321-5614444	3	Mankera	Ghazanfar Abbas Chheena	Landlord	0333-6840999
					4	Kallurkot	Ameer Muhammad Khan	Landlord	0300-7789898

ANNEX IX: LOVAL GOVERNMENT

S#	Designation	District/Tehsil Name	Name	Contact Number
1	District	Bhakkar	Inam Raheem	0321-5119369
3	Tehsil Mankera	CO Unit Mankera	Ayoub Nawaz	0346-7023317
4	Tehsil Bhakkar	CO Unit Bhakkar	Asif Javid	0300-7501786
5	Tehsil Darya Khan	CO Unit Darya Khan	Asif Javid	0300-7501786
6	Tehsil Kallurkot	CO Unit KallurKot	Sohail Anwar	0300-6090491

ANNEX X: DATA COLLECTION PERFORMAS

P1: House Damage Assessment

District: _____

Date: _____

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

District: _____

Date: _____

S#	Name of deceased	Father Name	Address	Domicile	Gender	Age	CNIC	Cause of death y	Date of death	Place of death	Marital status	Next of kins (Name and Contact and CNIC etc.)	Verifying Officer (Name, Designation and Contact)
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P3: Injurd Person Reposrting Performa

District: _____

Date: _____

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

Date: _____

District: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____ Focal Person: _____ Date: _____

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

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

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

ANNEX XII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

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

LBDC(IP)

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

INFORMATION REGARDING FLOOD BUND CATEGORY B

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

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

ANNEX XIII: RIVER DISCHARGE RATES

River	Gauge Site	Designed Capacity (lac Cs)	Flood Limits in Lac Cs.				
			Low	Med:	High	Very High	Exp. High
INDUS	Kalabagh	9.5	2.5	3.75	5	6.5	8
	Chashma	10	2.5	3.75	5	6.5	8
	Taunsa	10	2.5	3.75	5	6.5	8
JHELUM	Kohala	12	1	1.5	2	3	4
CHENAB	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
	Marala	11	1	1.5	2	4	6
	Khanki	8	1	1.5	2	4	6
CHENAB	Qadirabad	9	1	1.5	2	4	6
	Trimmu	6.45	1.5	2	3	4.5	6
	Punjnad	7	1.5	2	3	4.5	6
RAVI	Jassar	2.75	0.5	0.75	1	1.5	2
RAVI	Ravi Syphon	4	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
SUTLEJ	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
	G.S. Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
SUTLEJ	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XIV: RESCUE 1122 DETAILS**RESCUEE CERTS DETAIL****KALLURKOT**

Sr. #	Name of Moza/Bastis	Union Council	Name of Focal Person / Area Volunteers	Mob #
1	Gidranwali	Noon Dagar	M. Zafar Noon	0301-6720966
2	JhokeYaran	Noon Dagar	Sana Muhammad	0345-9226332
3	KallurkotNasheb	Noon Dagar	Qayyum	0347-8952199
4	Noon Nasheb	Noon Dagar	Ghulam Hashim	0346-8725014
5	MallanaNasheb	Noon Dagar	M.Ramzan	0301-6720966
6	SaguJanubi	Noon Dagar	Aziz Ullah	0301-6720966
7	Akbar Kalera	Kanjan	M.Adil	0301-2001316
8	Langer Mira	Kanjan	Ghulam Husnain	0303-7070106
9	KanjanNashebKatcha	Kanjan	M. Sajid	0301-3019506
10	Mai Roshan Nasheb	Kanjan	M. Nawaz	0303-8771077
11	KanjanNasheb Pacca	Kanjan	M. Talha Shah	0340-8272415
12	RohelaGharbi	MaibalDagar	M. Raees	0301-7958535
13	MaibleNashebKatcha	MaibalDagar	Malik Zulfqar	0345-1231827
14	UmerwaliNasheb	MaibalDagar	Sami Ullah	0300-7784285
15	Bhulla	MaibalDagar	Sami Ullah	0300-7784285
16	RohelaSharqi	MaibalDagar	Sarwar	0343-9363185
17	Kohawar Khurd	MaibalDagar	Yameen	0333-8045606
18	MaibleNasheb Pacca	MaibalDagar	Malik Zulfqar	0345-1231827
19	KalwalNasheb	KalwalDagar	Said Rasool	0342-5851391

TEHSIL DARYA KHAN

Sr. #	Name of Moza/Bastis	Union Council	Name of Focal Person / Area Volunteers	Mob #
1	Majoka	Majoka	Ameer Hamza	0305-2215001
2	Jhoke Shah Muhammad	Majoka	Asad Shah	0323-7084500
3	Kanial	Panj Grain Nasheb	Ghulam Sadiq	0321-9626752
4	Kirar Noon	Lak Kalan/Kharal	Iqbal Noon	0300-7782285
5	JhokeKhichianwali	Lak Kalan/Kharal	Usman Khichi	0334-7604932
6	Lak Kalan	Lak Kalan/Kharal	Naseer Luk	0335-9321214
7	Karloo	Lak Kalan/Kharal	Razzaq Laka	0347-1763808
8	Balochanwali	Lak Kalan/Kharal	M. Ameer	0344-6248945
9	Vehe	Lak Kalan/Kharal	Gull Muhammad	0341-1354542
10	Kharal	Lak Kalan/Kharal	Mohsin Kharal	0300-0680774

TEHSIL BHAKKAR

Sr. #	Name of Moza/Bastis	Union Council	Name of Focal Person / Area Volunteers	Mob #
1	Jhoke Chela Ram	KachiShahni	Naeem Abbas	0333-8902575
2	Pahore	KachiShahni	Mureed Kazim	0333-6843988
3	Gashkori	KachiShahni	Akhtar abbas	0335-0893785
4	Basti Noor Khan	KachiShahni	Rasheed Hussain	0306-8601056
5	DiDshahani	Kachi Shahani	Samar Abbas	0341-6768165
6	BakharyWali	Kachi Shahani	Arif Hussain	0337-7131771

7	Sohla	Kachi Shahani	Tanveer Hussain	0340-7369984
8	Hadaran	Kachi Shahani	M. Ali	0348-6219709
9	Rehman wali	Katchi Shahani	M. Imran	0345-4181451
10	Fateh Jamali	Sayal	Nayyar Abbas	0341-7861575
11	Khali Jamali	Sayal	Zeeshan Abbas	0337-7108533
12	DhapSial	Sayal	Hashim Bhidwal	0347-8531133
13	Gujja	Sayal	Tariq	0303-5718533
14	Jhandeer Abad/NakKappi	Sayal	Malik Adeel	0331-7001157
15	Bakhsha	Badyani	Nayyar Abbas	0341-7861575
16	Basti Mian Khan	Badyani	Naeem Abbas	0333-8902575
17	Mia Muhammad Bhatti	Badyani	Bilal Hussain	0345-0448602
18	Bukhara	Badyani	Noor Zaman Shah	0346-7771377
19	Binda bahu Shah	Badyani	Noor Zaman Shah	0346-7771377
20	Badiani	Badiyani	Noor Zaman Shah	0346-7771377
21	Bait Makhi wala	Hummu Wala	Ahsan Ullah Kanjoo	0344-4290992
22	BharmiChiragh Shah	Hummu Wala	Ghulam Yasin	0345-7659602
23	Bharmi Nawab	Hummu Wala	M. Suleman	0346-7595525
24	Hummu Wala	Hummu Wala	Saeed Ahmad	0347-7989947
25	Bait Bogha	Bait Bogha	Rana M. Sultan	0344-7988767
26	Basti Hamza	Bait Bogha	Mukhtiar Hussain	0346-2766843
27	Bhir Rashid Shah	Bait Bogha	Malik Riaz	0345-8963681
28	Kathanwala	Bait Bogha	M. Ishaq	0342-6277128
29	Dhandla	Dhandla	Noor Zaman Shah	0346-7771377
30	Jhok Faqir Atta Muhammad	Dhandla	Saad Ullah Shah	0334-7649999

OFFICER / OFFICIAL DEPLOYMENT

Designation	Name / contact	Duties
District Emergency Officer	Engr. Ubaidullah Khan 0333-6175736	Over All Incharge
Emergency Officer	Muhamamd Asif 0333-6611533	Operational Incharge
Control Room Incharge	Shah Khalid 0333-8906340	Event Coordinator
Rescue & Safety Officer	Safdar Abbas 0345-9121122	<u>Logistic Support</u> Timely supply of items helping in emergency management & arrangement for entertainment.
Station Coordinator	Abdul Rashid 0345-5480035	Event Coordinator
Senior Accountant	Muhammad Qaisar 0333-6822862	<u>Technical Support</u> Maintenance/ functioning of equipments/tools
Senior Store Keeper	M Asif 0333-3361122	<u>CERT Incharge</u> Coordinate & update the CERT focal persons/
Transport Maintenance Inspector	Engr. Ubaidullah Khan 0333-6175736	Over All Incharge
Community Coordinator	Muhamamd Asif 0333-6611533	Operational Incharge

CONTROL ROOM 1122

The control room of rescue 1122 will alert round the clock in the supervision of Control Room Incharge

Mr. Shahzad Ahmad. Contact No.0333-4241122

Rescue Control Room No. 0453-9200424

The Control Room, Rescue 1122 will remain in touch with the District control room, Irrigation department and Punjab Monitoring Cell to keep updating about the current situation regarding flood. Control Room will send the SMS to all concerned officers regarding the flood gauge & early warning.

TEHSIL BHAKKAR RELIEF CAMP IN TEHSIL BHAKKAR

Relief camp deputed staff will responsible for collection of data, pre-hospital management, and for relief arrangement. To communicate with control room, for updating the current situation and flood effectives information.

SR NO	Name Of Relief Camp	Rescue Focal person	Contact	Timing
1.	BHU Sial	Asif EMT	3444164342	08:00 To 20:00
2.		Rashid Rescuer	332760023	20:00 To 08:00
3.	UC Office Dhandla	M Bilal EMT	3452216070	08:00 To 20:00
4.		M Ramzan Rescuer	3338042246	20:00 To 08:00
5.	BHU Yousaf Shah	Najib Ullah EMT	3069687277	08:00 To 20:00
6.		Bilal Husain Rescuer	3452219719	20:00 To 08:00
7.	BHU Kotla Jam	Shahid Iqbal EMT	3414110193	08:00 To 20:00
8.		Manzoor Rescuer	3338051689	20:00 To 08:00
9.	UC office Notak	Fiaz Husain EMT	3474147535	08:00 To 20:00
10.		Niaz Husain Rescuer	3003673159	20:00 To 08:00
11.	RHC Behal	M Baqir EMT	3004815006	08:00 To 20:00
12.		Ramzan Bahwal Rescuer	3338042246	20:00 To 08:00

Union Council Kachi Shahni / Sial/Budhiani/ Shahni

Previous Flood History

In flood 2015 no area affected. Flood 1992 stroke the villages of, Bukhara, Shahani, Nawani, Jhamat, Budiani, Basti Muhammad Bhati and Hussain Abad.

In flood 2010, flood stroke the villages of Kachi Shahni are Daira Shahni, Guja, Basti Hafiz Wali, Bachri, Basti Ubhaya, Basti Allah Bakhsh, Khai Jamali, Fateh Jamali and Basti Noor Khan.

Response Strategy:

After early warning of the flood, rescuers will respond to flood affected areas with the following flood fighting equipment and resources.

Rescue Post:

Rescue post will be responsible for collection of data, preshospital management and for relief arrangement, Located at U/C office Budiani

SR #	Name	Contact No	Assigned Duty
1	Zulfqar Ali Khaki LFR	03158051122	Crew Incharge
2	Ghulam Mustafa FR	03347638182	Boat Crew
3	Shehzad Ahmad FR	0332-4531122	
4	M Ishaq EMT	3338961214	Rescue Post
5	Zaheer Abbas CTWO	3338042232	

Resources:

SR #	Equipment Name	Quantity
1	Boat with OBM	04
2	Life Jackets	33
3	Life Ring	20
4	Emergency Kit Bag	25

CERT Team Members

Sr. No.	Name	Father Name	Contact No.
1.	M. Mushtaq (Focal Person)	Rehmat ullah	0333-8051732
2.	Abdul Rehman	Allah Bakhsh	0341-9205634
3.	Inayat ullah	Rab Nawaz	0322-9172397
4.	Shair Zman	Ismail	0324-9944064
5.	Shahid Muneer	Imam Bakhsh	0304-4121475
6.	Riaz Hussain	Muhammad Hussain	0346-7593874
7.	Samar Abbas	Ghulam Abbas	0341-6768164
8.	Kalloom Bibi	Fazal Deen	0341-9205634
9.	Aziz Bibi	Khan Muhammad	0304-4121475

U/C Detail

Sr. NO	Vulnerable Point	RD	CERT TEAM
1.	Rehman Wali	01 to 02	Responsible for early warning, evacuation, first aid and relief work
2.	Gashkooori	02 to 07	
3.	Dara shahni		
4.	Bakhray Wali	07 To 18	
5.	Kachi Shahni	18 to 20	
6.	Sohla/ Basti Easar	20 to 30	
7.	Dhap Sial/ Basti Allah Bakhsh/ Bati Hafzi/ Hadran/ Khai Jamali/ Basti Ubha/ Basti Bachri	30 to 42	
8.	Guja/ Guja Munir Abad	42 to 51	
9.	Jhandir Abad	51 to 53	
10.	Basti Mian Khan	53 To 62	
11.	Sial	62 to 67	
12.	Hussain Abad (Budhiani)		
13.	Basti Bhati (Budhiani)		
14.	Basti Budhiani (Budhiani)	67 to 69	
15.	Basti Jhamat (Sial)		
16.	Nawani (Sial)		
17.	Shahni (Shahni)		
18.	Basti Bukhara (Budhuiani)		

Union Council Dhandla/ Hummu Wala

Previous Flood History:

In flood 2015 Basti Kondran wali, Basti Chandia and Basti Athar wali affected some area of agriculture. Flood 1999, 2010 stroked the villages of Hummu Wala, Jhok Faqeer Ata Muhammad Wala, Rakh Dhandla, Bharmi Nawab, Bhirr Rasheed Shah and Bharmi Chrag Shah.

Response Strategy

After early warning of the flood, rescuer will respond to flood effected area with the following flood fighting equipment /resources.

Rescue Post:

Rescue post will be responsible for collection of data, pre hospital management, and for relief arrangements, located at **Govt. Primary School Hummu Wala.**

SR #	Name	Contact No	Assigned Duty
1.	Rizwan Khan LFR	0333-8041311	Crew Incharge
2.	Asif Shahzad FR	0347-4022856	Boat Crew
3.	Noman Kundi FR	0346-5510255	
4.	Waseem Nawaz EMT	03452873049	Rescue Post
5.	Shafqat Ali Shah CTW O	03457648484	

Resources

SR #	Equipment Name	Quantity
1.	Rescue Boat with OBM	04
2.	Life Jackets	33
3.	Fixed Stretcher	01
4.	Life Ring	20
5.	Life Line	01
6.	Folding Stretcher	02
7.	First Aid Kit Bag	25
8.	Camp	02
9.	Emergency Light	02
10.	Snake Catcher	01

UC Detail

SR NO	Vulnerable Point	RD	CERT TEAM
1.	Bait Makhi	69 to 105	Responsible for early warning, evacuation, first aid and relief work
2.	Bharmi Charagh (Hummu wala)		
3.	Bharmi Nawab (Hummu wala)		
4.	Dhandla/Rakh Dhandla		
5.	Bharr Rasheed Shah		
6.	Jhok Faqir Ata		
7.	Humo Wala (Hummu wala)		

CERT Team Members Dhandla

Sr No.	Name	Father Name	Contact No.
1.	Noor Zaman Shah	Sultan shah	0346-7771377
2.	Saad Ullah Shah	Sultan shah	0341-9565955
3.	Saif ullah	Gamoo	0346-7593968
4.	Muhammad Imran	Ghulam Yaseen	0341-7760681
5.	Mulazim hussain	Muhammad Ramzan	0347-5012132
6.	Muhammad Azam	Muhammad Ramzan	0343-5694171
7.	Shah Baran	Sultan shah	0323-6759187
8.	Zia ullah	Abdul Rehman	0346-6396922
9.	Muhammad Iqbal	Muhammad Baksh	0341-9136033
10.	Muhammad Iqbal	Wazeer Ahmad	0346-6116066

Union Council Bait Bogha /Yousf Shah Bhakkar**Previous Flood History**

It is most vulnerable area due to absence of Bund. In Flood 2015 some agriculture area bait boga affected. Flood 1999, 2004, and 2010 stroked the villages of Bumb, Basti Hamza, Kathan Wala, Bait Boga.

Response Strategy

After early warning of the flood, rescuer will respond to flood effected area with the following flood fighting equipment /resources.

Rescue Post:

Rescue post will be responsible for collection of data, pre hospital management, and for relief arrangements, located at **UC Office Bait Bogha**.

SR #	Name	Contact No	Assigned Duty
1	Rashid Mehmood LFR	0332-8681122	Crew Incharge
2	Jamal Akbar DR	0334-6572046	Boat Crew
3	Khalid Imran FR	0333-5881122	
4	Hafiz Ahmad EMT	03035536930	Rescue Post
5	M Sibtain EMT	0331-7001122	

Resources U/C Detail

SR #	Equipment Name	Quantity
1	Rescue Boat with OBM	04
2	Fixed Stretcher	01

3	. Life Jackets	34
4	Life Ring	20
5	Life Line	01
6	Folding Stretcher	02
7	First Aid Kit Bag	25
8	Camp	02
8	Emergency Light	02
9	Snake Catcher	01

UC Detail

SR NO	Vulnerable Point	CERT TEAM
1.	Bumb	Responsible for early warning, evacuation, first aid and relief work
2.	Hazara Junobi	
3.	Yousaf Shah	
4.	Basti Hamza (Bait Bogha)	
5.	Kathan Wala (Bait Bogha)	
6.	Bait Bogha (Bait Bogha)	
7.	Raseed Pur	
SR NO	Vulnerable Point	CERT TEAM
1.	Bumb	Responsible for early warning, evacuation, first aid and relief work
2.	Hazara Junobi	
3.	Yousaf Shah	
4.	Basti Hamza (Bait Bogha)	
5.	Kathan Wala (Bait Bogha)	
6.	Bait Bogha (Bait Bogha)	
7.	Raseed Pur	

CERT Team members

Sr No	Name	Father Name	Contact No.
1	Qadir Baksh	Faqeer Muhammad	0342-8983834
2	Tanveer Ahmad	Amir Abdullah	0333-8902448
3	M.Arif	M.Bukhsh	0344-7816675
4	Asif Mahmood	Abdual Ghafoor	0345-7627571
5	Riaz Ahmad	M.Abdullah	0301-3647732
6	Wazeer Ahmad	M.Nawaz	0345-7647988
7	M.Nawaz	Ghulam Sarver	0346-2128728
8	Ahsan Ullah	Malik Gul Sher	0344-4290992
9	Nasir Ahmad	Ghulam Shabir	0347-5309571
10	Aman Ullah	M.Buksh	0345-6428378

Rescue Post:

Rescue post will be responsible for collection of data, pre hospital management, and for relief arrangements, located at **UC Yousaf Shah Basti Aulakh**

SR #	Name	Contact No	Assigned Duty
1	Tahir Hussain LFR	0333-9974891	Crew Incharge
3	Zahid Farooq FR	0332-4531122	Boat Crew

4	Nawab FR	0346-7574669	
5	Abdul Jabbar EMT	0345-8603471	Rescue Post
6	Zaheer Abbas Fazal EMT	0347-5536390	

Resources:

SR #	Equipment Name	Quantity
1.	Rescue Boat with OBM	04
2.	Fixed Stretcher	01
3.	Life Jackets	34
4.	Life Ring	20
5.	Life Line	01
6.	Folding Stretcher	02
7.	First Aid Kit Bag	25
8.	Camp	02
9.	Emergency Light	02

FLOOD PLAN FOR TEHSIL DARYA KHAN**RELIEF CAMP**

Relief camp deputed staff will responsible for collection of data, pre-hospital management, and for relief arrangement. To communicate with control room, for updating the current situation and flood effectives information.

SR NO	Name Of Relief Camp	Rescue Focal Person	Contact	Timing
1.	BHU Kohawar kalan	Rizwan Ullah Khatak FR	3336417078	08:00 To 20:00
2.		Sagher Abbas Rescuer	3338900657	20:00 To 08:00
3.	BHU Punjgrian	Asif Ali Rehman EMT	3415504786	08:00 To 20:00
4.		Muzafar Ali Rescuer	3016043914	20:00 To 08:00
5.	Health Center (Lundi Nasheb)	M Shahid EMT	03416768194	08:00 To 20:00
6.		Zaheer Abbas Rescuer	3067868587	20:00 To 08:00
7.	BHU Hasan Shah	Sabir Husain EMT	3086722521	08:00 To 20:00
8.		Awais Ali Babar Rescuer	3074715016	20:00 To 08:00

Flood History

In flood 2015 flood maximum release was 6, 35,000 Cs but there is affected area in Tehsil Darya Khan. After early warning of the flood, boat operator rescuer will respond to flood effected area with the flood fighting equipment. The details are mentioned: Flood 2010 stroked the villages of Jhok Haji Hussian, Lak Kalan, Karlo, Chela Raam, Rehman Wali, Basti Rabanawaz Mohana and Basti Mardanay Khail 32000 Acre affected.

Response Strategy

After early warning of the flood, rescuer will respond to flood effected area with the following flood fighting equipment / resources, located at **Govt. Boys Primary School, Majoka.**

SR #	Name	Contact No	Assigned Duty
1.	Muhamad Younas LFR	0342-4366979	Crew Incharge
2.	M. Anwar DR	0333-8901578	Boat Crew

3.	Adnan Haider FR	03487381992	
4.	M Dansih Asif EMT	0300-2555659	Rescue Post
5.	M Tayyab EMT	0301-2651122	

Resources:

SR #	Equipment Name	Quantity
1.	Rescue Boat	03
2.	Life Jackets	60
3.	Fixed Stretcher	01
4.	Life Ring	28
5.	Folding Stretcher	02
6.	First Aid Kit Bag	50
7.	Camp	02
8.	Emergency Light	02

Tehsil Villages Detail

SR NO	Vulnerable Point	CERT TEAM
1.	Lak Kalan	Responsible for early warning, evacuation, first aid and relief work
2.	Karlu	
3.	Majoka	
4.	Vehe	
5.	Kanial	
6.	Balochan Wali	
7.	Karor Noon	
8.	Jhok Khichian Wali	
9.	Kharal	
10.	Jhok Shah Muhammad	

CERT Team Members

Sr.#	Name of Volunteer	Father Name	Contact #
1.	Muhammad Zeeshan	Tasawar Hussain	03416768013
2.	Zeeshan Haider	Manzoor Hussain	03451903742
3.	Muhammad Asif	Abdul Karim	03415433600
4.	Ali Haider Jafri	Ejaz Hussain	03030673241
5.	Muhammad Faheem Iqbal	Muhammad Iqbal	03132046220
6.	Asad Hameed	Abdul Hameed	03357782830
7.	Sajid Ali	Ghulam Muhammad	03017968951
8.	Salhuddin	Sharfuddin	03217795146
9.	M. Rizwan	Manzoor	03012668381
10.	M. Adnan Zubair	M. Zubair	03024164585
11.	Asad Kamran	Fateh Sheir	03015289827

FLOOD PLAN FOR TEHSIL KALLURKOT**RELIEF CAMP**

Relief camp deputed staff will responsible for collection of data, pre-hospital management, and for relief arrangement. To communicate with control room, for updating the current situation and flood effectives information.

SR NO	Name of Relief Camp	Rescue Focal Person	Contact	Timing
1.	U/C Mallana Dagar (Office Kallur Kot)	Kamran EMT	30139550548	08:00 To 20:00
2.		Rana Imran	3417929715	20:00 To 08:00
3.	U/C Kanjan near Railway Station Shah Alam	Javed Iqbal EMT	3026262523	08:00 To 20:00
4.		M Tayyab EMT	0301 7957374	20:00 To 08:00
5.	Basic Health Center Maibal	Zulqarnain EMT	3041670604	08:00 To 20:00
6.		Naseem Gul Rescuer	3467203537	20:00 To 08:00
7.	Boys Primary School Gidaran wali	Tahir Iqbal EMT	3457948086	08:00 To 20:00
8.		Abdul Ghafar Rescuer	3425790585	20:00 To 08:00
9.	Boys Primary School Tiba Naina / Kanjan	Haji Noor Zaman EMT	3436662617	08:00 To 20:00
10.		Aurangzeb Rescuer	03454386655	20:00 To 08:00
11	Primary school Noon Dagar	Gulbaz EMT	3064997059	08:00 To 20:00
12		Zafar Iqbal Rescuer	3007786085	20:00 To 08:00

Union Council Mebal, Kalwal, Noon Dagar, Kanjan**Flood history**

In flood 2015 flood maximum release was 6, 35,000 Cs but only agricultural area of villages Basti Yaaran and Sagu Nashaib effected. The details are mentioned: Flood 1999, 2010 stroked the villages of Mebal Nesheb, Paka, Ume Wali, Chap, Kalwal Neshab, Sandhi, Tinda Nesheb, Kanjan Neshab, Langar Meera, Akbar Klaira, Jhok Yaseen, Noon Nasheb, Molana Neshab, Rohail Gharbi and Sagu Janobi.

Response Strategy

After early warning of the flood, rescuer will respond to flood effected area with the following flood fighting equipment/ resources, located at Sagu Shumali.

SR #	Name	Contact No	Assigned Duty
1.	Iftikhar Ahmad LFR	0346-5528276	Crew Incharge
2.	Amir DR	0313-7753799	Boat Crew
3.	Waseem Akram DR	0302-6036098	
4.	Tahir Husain EMT	0345-7948086	Rescue Post
5.	Rahim Khan EMT	0301-7951313	

Resources:

SR #	Equipment Name	Quantity
1.	Rescue Boat with OBM	03
2.	Life Jackets	60
3.	Life Ring	20

4.	Folding Stretcher	02
5.	First Aid Kit Bag	50
6.	Camp	02
7.	Emergency Light	02

Tehsil Villages Detail

SR NO	Vulnerable Point	CERT TEAM
1.	Gidran wali	Responsible for early warning, evacuation, first aid and relief work
2.	Jhok Yaran	
3.	Kallur Kot Nesheb	
4.	Mebal nasheb Kacha	
5.	Kanjan Nasheb Kacha	
6.	Langer Miran	
7.	Mallana Nasheb	
8.	Rohela Gharbi	
9.	Umar wali Nasheb	
10.	Bullah	
11.	Rohela Sharqi	
12.	Kohawar Khurad	
13.	Maible nasheb Paca	
14.	Kalwal nasheb	
15.	Kanjan Nasheb	
16.	Mai Roshan Nasheb	
17.	Sagu janobi	
18.	Akbar Kailra	

Current Placement of Boats

SR NO	Boat name	Location	Focal person Name
1.	BKB 13	UC Bait Bogha/Basti Ramzan Bhati	Ghulam Yasin 03457659602 Bilal Husian 03450442602
2.	BKB 10	UC Bait Bogha/Basti Ramzan Bhati	Ghulam Yasin 03457659602 Bilal Husian 03450442602
3.	BKB 11	UC Hammu Wala /Patan Mohana Wala / Basti Kundran Wali	Noor Zaman 03467771377
4.	BKB 06	UC Yousaf Shah Basti Aulkh	Safdar Durma 0341672453 Ghulam Akbar 03457625365
5.	BKF 07	UC Yousaf Shah Basti Aulkh	Safdar Durma 0341672453 Ghulam Akbar 03457625365
6.	BKB 12	Darya Khan Rescue Station	M Mudassar 03349834541
7.	BKB 02	Darya Khan Rescue Station	M Mudassar 03349834541
8.	BKB-05	TMA Office KalorKot	Tehsil Chairman Rana Sagheer Sb03007790850
9.	BKB 19	TMA Office MC Kallurkot	Tehsil Chairman Rana Sagheer Sb 03007790850
10	BKB 01,03,04,08, 09,14,15,16, 17,18,20,21	Ware House Tehsil Office Bhakkar	Abdul Rashid SSK 03455480035

ANNEX XV: REVENUE DETAILS

TEHSIL KALLURKOT			
Sr No	UC Number	UC Name	Mouzas
1	U.C-38	Noon Dagar	Gidranwali
2			Jhoke Yaran
3			Kallurkot Nasheb
4			Noon Nasheb
5			Mallana Nasheb
6			Sagu Janubi
7	U.C-41	Kanjian Dagar	Akbar Kalera
8			Langer Mira
9			Kanjian Nasheb Katcha
10			Mai Roshan Nasheb
11			Kanjian Nasheb Pacca
12	U.C-39	Maibal Dagar	Rohela Gharbi
13			Maible Nasheb Katcha
14			Umerwali Nasheb
15			Bhulla
16			Rohela Sharqi
17			Kohawar Khurd
18			MaibleNasheb Pacca
19	U.C-40	Kalwal Daggar	Kalwal Nasheb
TEHSIL DARYA KHAN			
Sr No	UC Number	UC Name	Mouzas
1	U.C-52	Majoka	Majoka
2			Jhoke Shah Muhammad
3	U.C-56	Panj Grain Nasheb	Kanial
4	U.C- 53	Lak Kalan /Kharal	Kirar Noon
5			Jhoke Khichianwali
6			Lak Kalan
7			Karlo
8			Balochanwali
9			Vehe
10			Kharal
TEHSIL BHAKKAR			
Sr No	UC Number	UC Name	Mouzas
1	U.C -11	Kachi Shahni	Jhoke Chela Ram
2			Pahore
3			Gashkori
4			Basti Noor Khan
5			DiD shahani
6			Bakhary Wali
7			Sohla
8			Hadaran
9			Rehman wali
10	U.C-23	Sayal	Fateh Jamali
11			Khai Jamali
12			Dhap Sial
13			Gujja
14			Jhandeer Abad/Nak Kappi

15	U.C -20	Badyani	Bakhsha
16			Basti Mian Khan
17			Mia Muhammad Bhatti
18			Bukhara
19			Binda bahu Shah
20			Badiani
21	U.C-17	Hummu Wala	Bait Makhi wala
22			Bharmi Chiragh Shah
23			Bharmi Nawab
24			Hummu Wala
25	U.C-16	Bait Bogha	Bait Bogha
26			Basti Hamza
27			Bhir Rashid Shah
28			Kathanwala
29	U.C-15	Dhandla	Dhandla
30			Jhok Faqir Atta Muhammad

RELIEF CAMPS:

TEHSIL BHAKKAR				
Sr. No	Name of Relief Camps	Incharge Relief Centre	Location	
			X	Y
1	BHU, Sial	Nasrullah Khan Kanungo 03336848157	71.000358	31.638039
2	UC OFFICE Dhandla	Aman Ullah Aulakh Kanungo 03336849346	31.467595	70.931673
3	BHU Yousaf Shah	Murid Abbas Patwari 03474850845	70.936515	31.413405
4	BHU Kotla Jam	Gull Muhammad Javed 03457641197	71.094309	31.703363
5	UC OFFICE Notak	Ehsan ul Haq 03336842353	31.476154	71.029030
6	RHC Behal	Muhammad Nawaz Qanungo Consolidation 03338903305	71.013721	31.412101
TEHSIL DARYA KHAN				
Sr. No	Name of Relief Camps	Incharge Relief Centre	Location	
			X	Y
1	BHU Kahawar Kalan	Muhammad Bakir Girdawar 0300-7782405	71.10167	31.734141
2	BHU Panjgrain	Muhammad Ismail Girdawar 0300-8795578	71.155628	31.917957
3	Health Centre (LundiNesheb)	Sabir Hussain Grdawar 0301-8795578	71.424254	31.836383
4	BHU Hassan Shah	Rana Liaqat Girdawar 0302-2942760	71.119941	31.854842

TEHSIL KALLUR KOT

Sr.No.	Name of Relief Camp	Name of Duty Officers	Location	
			X	Y
1	Union Council (Malana) NoonDaggar (office KallurKot)	Shaikh Allah Bakhsh. Qanoongo Kallur Kot 0345-7640663 Muhammad Rustam Patwari 0335-6088786	32.1537593613	71.2645545244
2	Union Council Kanjan Near Railway Station Shahalam	Akram Khan 03013476091 Noor Zaman Patwari Basti Mai Roshan 0300-7780862	31.9720262851	71.1725556247
3	Basic Health Centre Maibal	Ahmed Khan Qanoongo Maibal 0344-4632855 Mr. Muhammad Khalid 0301-7959800	32.034722	71.19848
4	Boys Primary School, GPS, Gideranwali	Fazal Elahi Qanungo Jandanwala 0333-8882011 Zulfiqar Ali Patwari Halqa Chap Sandi 0303-5917786	32.1972645	71.1828318
5	Boys Primary School, TibbaNaina/ Kanjan	Akram Khan 03013476091 Muhammad Akhtar, Patwari Kanjan Nasheb Pacca. 0301-7958933	31.9727595	71.1612727
6	Primary School Noon Daggar	Mr. Kaleem Ullah NT 0306-7805181 Ghulam Muhammad, Patwari Halqa Malana Dagger 0308-3981165	32.1060448	71.229526

The district has been divided into 6 Sectors and 8 Sub Sectors with the following details: -

TEHSIL BHAKKAR

Sector- I - Sial

Sector Incharge: Shoukat Ali Naib Tehsildar Bhakkar 03007781890

Incharge Relief Camp: Nasrullah Khan Kanungo alongwith Mhr Kumail Asghar Patwari 03361491214, Bilal Babar 03441483852

Sial	Muhammad Bhatti
Dhap Sial	Basti Mian Khan
Fateh Jamali	Binda Bahu Shah
Hadraan	Badiani
Khai Jamali	Shahani
Gujja	Jhamat
Niwani	Munday wali
Basti Noor Khan	Jhok Chela Ram
Rehman Wali	Pahore
Jhandeer Abad	

Sector-II- Notak

Sector Incharge Ch. Saadat Nawaz Tehsildar Bhakkar (03064224072).

In charge Relief Camp Ehsan ul Haq 03336842353), Mr. Abdul Rehman Patwari 03420739614, WAJID raza 03041689313

Dhandla	Notak
Hammu Wala	Langar kot
Bharmi Chirag	Bhawan Pur Janubi

Bhirmi Nawab	Razai Shah Janubi
Basti Makhhan wali	Bhawan pur Shumali
Churrar	Ganji

Sector-III Behal

Sector Incharge: SAFDAR ABBAS QANUNGO 03338908499

In charge Relief Camp: **Muhammad Nawaz Qanungo Consolidation 03338903305** Aman Ullah Patwari (Consolidation) (03417867400), Muhammad Rafiq 03095148600

Behal	Raseed Pur
Bait Boga	Yousaf Shah
Langerkot	Kathanwala
Kachi Kandiani	Bhir Rasheed Shah
Sheikhani	Fateh Bhumb
Khanani	Hazara
Jhok Faqir Atta Muhammad	

TEHSIL BHAKKAR

Sr.No.	Mouza Jaat	Mouza In charge Name Cell No	Name of Relief CampsAttached	In charge Relief Centre
1.	Jhoke Chela Ram	Nasrullah Khan Kanungo alongwith Nazakat Hayat Patwari (03428203792), Aman Ullah Patwari (03336841418), Niaz Hussain Patwari (03338046820),	BHU, Sial	Shoukat Ali Naib Tehsildar Bhakkar 03007781890
2.	Pahore			
3.	Gashkori			
4.	Basti Noor Khan			
5.	DiD shahani			
6.	Bakhary Wali			
7.	Sohla			
8.	Hadaran			
9.	Rehman wali			
10.	Fateh Jamali			
11.	Khai Jamali			
12.	Dhap Sial			
13.	Gujja			
14.	Jhandeer Abad/Nak Kappi			
15.	Bakhsha			
16.	Basti Mian Khan			
17.	Mia Muhammad Bhatti			
18.	Bukhara	In charge Relief Camp Ehsan ul Haq 03336842353), Mr. Abdul Rehman Patwari 03420739614, WAJID raza 03041689313	UC OFFICE Notak	Nawaz Tehsildar Bhakkar (03064224072).
19.	Binda bahu Shah			
20.	Badiani			
21.	Bait Makhi wala	Muhammad Nawaz Qanungo Consolidation 03338903305 Aman Ullah Patwari (Consolidation) (03417867400), Muhammad Rafiq 03095148600	RHC Behal	Safar abbas QANUNGO 03338908499
22.	Bharmi Chiragh Shah			
23.	Bharmi Nawab			
24.	Hummu Wala			
25.	Bait Bogha			
26.	Basti Hamza			
27.	Bhir Rashid Shah			
28.	Kathanwala			
29.	Dhandla			
30.	Jhok Faqir Atta Muhammad			

TEHSIL DARYA KHAN
SECTORS 1
SUB SECTORS 3
SECTOR-1- DARYA KHAN

Sector Incharge:

Mr. Saleem Raan Tehsildar Darya Khan 0300-6108492

TEHSIL DARYA KHAN				
Sr.No.	Mouza Jaat	Mouza In charge Name Cell No	Name of Relief Camps Attached	In charge Relief Centre
1.	Majoka	Ishaq Khalid Patwari 0301-4875156	BHU Kahawar Kalan	Muhammad Bakir Girdawar 0300-7782405
2.	Jhoke Shah Muhammad	Ishaq Khalid Patwari 0301-4875156	--do--	Fida Hussain Girdawar 0301-5482641
3.	Jhoke Khichianwali	Altaf Hussain Patwari 0301-8795591	--do--	Fida Hussain Girdawar 0301-5482641
4.	Karloo	Altaf Hussain Patwari 0301-8795591	--do--	Fida Hussain Girdawar 0301-5482641
5.	Lak Kalan	Syed Rehan Haider Patwari 0341-6131075	Health Centre (LundiNesheb)	Sabir Hussain Girdawar 0301-8795578
6.	Kharal	Rana Ashraf Patwari 0345-7642377	--do--	Sabir Hussain Girdawar
7.	Vehe	Khuda Bukhsh Patwari 0303-7080624	--do--	0301-8795578
8.	Kirar Noon	Khuda Bukhsh Patwari 0303-7080624	BHU Hassan Shah	Sabir Hussain Girdawar 0301-8795578
9.	Balochanwali	Ishaq Ahmad Patwari 0333-8054931	--do--	Rana Liaqat Girdawar 0302-2942760
10.	Kanial	Ishaq Ahmad Patwari 0333-8054931	BHU Panjgrain	Abdul Aziz Girdawar 0301-7845834

SECTORS = 2 Nos.
SUB-SECTORS = 5 Nos.
Sector-1 Kallurkot

SECTOR-1 KALLURKOT.

Sector Incharge: Abdul Wakeel Humayon. Cell No.0302-8470786

Sub-Sector-1	Sub-Sector-2	Sub-Sector-3
Incharge: Fazal Elahi Qanongo, Kallurkot Cell No.: 0333-8882011	Incharge: Ahmed Khan Qanongo, Maibel Cell No: 0344-4632855	Incharge: Atta Muhammad Qanongo, Shahalam Cell No: 0301-4026532
i. Sagu Shumali ii. Saggi Janubi iii. Gidranwali iv. Jhok Yaran	Kallurkot Nashaib	i. Rohalla Gharbi ii. Malana Dagger iii. Noon Nashaib

SECTOR-2 MAIBEL.**Sector Incharge: Allah Bakhsh Kanungo Cell No. 03457640663**

Sub-Sector-1		Sub-Sector-2	
Incharge: Ashiq Hussain, Patwari Halqa, Ghulaman 1. Cell No. 0302-5100248		Incharge: Fida Hussain Qanongo Fazal Cell No. 0306-4334253	
i.	Rohalla Sharqi	i.	Langer Meera
ii.	Umerwali	ii.	Akbar Kalera
iii.	Kuawar Khurd	iii.	Tinda Nashaib
iv.	Maibal Nashaib	iv.	Kanjan Nashaib
v.	Bhulla	v.	Kalwal Nashaib
vi.	Maibel Nashaib Pacca	vi.	Shal Alam
		vii.	Mai Roshan
		viii.	Kanjan Nashaib Pacca
		ix.	Chap Sandhi Nashaib

TEHSIL KALLUR KOT

Sr.No.	Mouza Jaat	Mouza In charge Name Cell No	Name of Relief Camps	In charge Relief Centre
1.	Gidranwali	Shaikh Allah Bakhsh. Qanoongo Kallur Kot 0345-7640663	Union Council Malana (office Kallur Kot)	Rana Muhammad Ilyas Tehsildar 0300-7437988
2.	Jhoke Yaran	do	do	do
3.	Kallurkot Nasheb	do	do	do
4.	Noon Nasheb	do	do	do
5.	Mallana Nasheb	do	do	do
6.	Sagu Janubi	do	do	do
7.	Akbar Kalera	Akram Khan Girdawar Shah Alam 0301- 3476091	Union Council Kanjan Near Railway Station Shahalam	Rafaqat Ali Bajwa NT. 0300-0175333
8.	Langer Mira	do	Do	Rafaqat Ali Bajwa NT. 0300-0175333
9.	Kanjan Nasheb Katcha	Do	Do	do
10.	Mai Roshan Nasheb	do	Do	do
11.	Kanjan Nasheb Pacca	Do	do	do
12.	Rohela Gharbi	Do	do	do
13.	Maible Nasheb Katcha	do		Rafaqat Ali Bajwa NT. 0300-0175333
14.	Umerwali Nasheb	Ahmed Khan Qanoongo Maibal 0344-4632855	Basic Health Centre Maibal	Kaleem Ullah NT. 0306-7805181
15.	Bhulla	Akram Khan Girdawar Shah Alam 0301- 3476091	Union Council Kanjan Near Railway Station Shahalam	Rafaqat Ali Bajwa NT. 0300-0175333
16.	Rohela Sharqi	do	Union Council Kanjan Near Railway Station Shahalam	Rafaqat Ali Bajwa NT. 0300-0175333
17.	Kohawar Khurd	do	Union Council Kanjan Near Railway Station Shahalam	Rafaqat Ali Bajwa NT. 0300-0175333

18.	MaibleNasheb Pacca	Ahmed Khan Qanoongo Maibal 0344-4632855	Basic Health Centre Maibal	Kaleem Ullah NT. 0306-7805181
19.	Kalwal Nasheb	Akram Khan Girdawar Shah Alam 0301- 3476091	Union Council Kanjan Near Railway Station Shahalam	Rafaqat Ali Bajwa NT. 0300-0175333

ANNEX XVI: LOCUST CONTINGENCY PLAN

A precautionary action plan is prepared to help farmers to meet the challenge of Locust attack.

DEPARTMENT RESOURCES

Human Resources	Deputy Director Agri (Ext.)	1
	Assistant Director Agri (Ext)	3
	Agriculture Officers (Ext)	10
	Superintendent	1
	Assistant	4
	Agri. Inspector	5
	Field Assistant	57
	Senior Clerk	2
	Junior Clerk	10
	Beldar/Fieldman /Sprayman/Cleaner	68
	Vehicle Driver	6
	Chowkidar	4
Vehicle & Machinery	Toyota Hilux	2
	Suzuki Jeep	2
	Bolan Pickup	7
	Honda 125cc Motorcycle	58

PRE-ACTIVE STRATEGIES

- Tehsil &U/C level committees will keep a close eye on locust movement and will immediately inform District Committee in case of any invasion for timely action
- The Field staff of the Agriculture, Pest Warning & Revenue will conduct regular Survey about locust population and will also create awareness among the farming community.
- Mega Seminars at District & Tehsil level will be arranged to create awareness among the farming community by Agriculture and Pest Warning Department.
- Agriculture Officers & Veterinary Officers will conduct meetings at village level to create maximum awareness among farming community.

ARRANGEMENTS OF PESTICIDES, EQUIPMENT AND MANPOWER

- All the arrangements will be made for emergency acquisition of Anti- locust pesticides
- and spray machines from PDMA/Any other concerned authority in consultation with Assistant Director Agriculture (PW & QCP) Bhakkar.
- Assistant Director Agriculture (PW& QCP) will ensure the availability of maximum locust control pesticides in Bhakkar district.
- Pesticides spray machinery and equipment will be acquired from the Federal Department of Plant Protection (DPP) immediately.
- Manpower and logistic for spray will be arranged by the Deputy Commissioner Bhakkar from the resources of Agriculture, Livestock, Pest Warning and Revenue Departments.

ANNEX XVII: 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.

ANNEX XVIII: CONTACT LIST OF MAIN STAKEHOLDERS/ DEPARTMENTS

Sr No	Designation	Telephone Office	Focal Person	Mobile	Telephone Residential
1.	Commissioner Sargodha	048-9230721 722	Nabeel Javed	0306-0923396	048-9230699
2.	Deputy Commissioner Bhakkar	0453-9200188 0453-9200288	Imran Hamid Sheikh	0304-0920077	0453-9200088 0453-9200388
3.	DPO	0453-9200365 0453-9200370		0453-9200351	0453-9200351
4.	Addl.Deputy Commissioner (G)	0453-9200312	Abbas Raza Nasir	0333-0721412	0453-9200313
5.	Addl.Deputy Commissioner (R) (Focal Person)	0453-921396	Muhammad Nasrullah Chardhar	0344-4000063	0453-9200396 0453-9200398
6.	Assistant Commissioner Bhakkar	0453-9200299			0453-9200299
7.	Assistant Commissioner Darya Khan	0453-252974	Farrukh Tufail	03334305176	0453-252974
8.	Assistant Commissioner Kallurkot	0453-9200301	Shabeer Ahmad	0321-8619243	0453-9200299
9.	Assistant Commissioner Mankera	0453-9200302	Ghulam Sarwar	03001214948	0453-9200299
10.	Addl.Deputy Commissioner (F)	0453-921396	Muhammad Nasrullah Chardhar	0344-4000063	0453-9200396 0453-9200398
11.	District Disaster Management Coordinator	-	-	-	-
12.	Tehsildar Bhakkar	-	Saadat Nawaz	0306-4224072	
13.	Tehsildar Darya Kahn	-	Syed Zahid	0333-5413512	
14.	Tehsildar Kallurkot	-	Muhammad Shahid Iqbal	0345-4121300	
15.	Tehsildar Mankera	-	Ehsan Ul Haq	0300-9695312	
16.	Security Branch	0453-9200365]	Imran Ejaz Sarwar	0300-6091211	
17.	SP Investigation	0453-9200355	M.Ali Shahid	0300-6083862	
18.	DSP (Special Branch)	0453-9200163	Safdar Hussain	0300-6840697	
19.	DSP (Sadar)	0453-921353	Nasir Nawaz	0300-8704835	
20.	DSP (Legal)	0453-921356	Javed Iqbal	0302-4518099	
21.	DSP(Traffic)	0453-9200275	Aehtasham Abbas	0341-550530	
22.	Deputy Director Agriculture	0453-510144	Ameer Hussain	0333-6842620	
23.	Agriculture Officer (Ext.) Bhakkar	0453-921144	Chaudry Khalid Mehmood	0306-8769714	
24.	Agriculture Officer (Ext.) Mankera	0453-410445	Allah Yar Sahab	0348-6531307	

25.	Agriculture Officer (Ext.) Kallurkot	0453-200963	Sajjad Hussain	0343-6472235	
26.	Agriculture Officer (Ext.) Darya Khan	0453-9200005	Ameer Hussain	0333-6842620	
27.	Agriculture Officer (Tech.) O/O DDA (Ext.) Bhakkar	0453-510144	Chaudry Khalid	0306-8769714	
28.	Agriculture Officer (Ext) District Focal Person	0453-410445	Amar Ullah	0348-6531337	
29.	Stenographer o/o DDA (Ext) Bhakkar	0453-510144	Muhammad Ali	0308-4931500	
30.	DD Development	0453-9200324	M. Hafeez Aulakh	0300-8057844	
31.	XEN (Highways)	0453-921042	Imran Nazeer	0309-6206709	
32.	XEN (Buildings)	0453-921042	Muhammad Ali Sidqani	0332-4843536	
33.	CEO Health	0453-0921136	Dr Suleman Rao	0333-6841761	
34.	XEN (Public Health)	0453-921334	M.Saleem Akhtar	0300-6584072 0333-6584072	
35.	M.S.DHQ Hospital Bhakkar	0453-921197	Dr M. Akram Mubarak	0333-7951996	
36.	M.S.THQ Hospital Darya Khan	0453-253059	Dr M. Ibrahim Jhamat	0300-7789235	
37.	M.S.THQ Hospital Kallurkot	0453-200781	Dr Muhammad Imran Niazi	0300-5160769	
38.	M.S.THQ Hospital Mankera	0453-410200	Dr Khalid Javed Asran	0333-6842465	
39.	CEO Education	0453-9200047	Tariq Habib Farooqi	0300-6760986	
40.	Civil Defense Officer	0453-9200066	Hafiz M. Naeem Ur Rehman	0345-7916568	
41.	Bomb Disposal Technician	0453-9200066	M. Asif	0302-5485242	
42.	DDLG	0453-9200057	Altaf Hussain	0347-7611199	
43.	DO IPWM	0453-9200084	Tahir Mehmood Khan	0302-5888426	
44.	DO Sports	0453-921155	Hasnain Lodhra	0333-5695828	
45.	AD Labor	0453-921321	Zafar Abbas	0345-6844113	
46.	Deputy Director, Social Welfare	0453-921053	Khizar Hayat Khan	0333-6845905	
47.	Assistant Director, Environment	0453-921075	Suleman Aslam	0321-4208133	
48.	Deputy Director Public Relation	0453-9200046	-	-	
49.	Deputy Director, Livestock	0453-9200034	Dr. Ahsan-ul-Rehman	0300-6760523	
50.	AD Fisheries	0453-921028	Ahamad Nawaz Aulakh	0346-7592811	
51.	DO Population Welfare	0453-921078	Habib Ur Rehman	0333-6845292	
52.	Chief Officer MC Bhakkar	0453-921110	Malik Muhammad Altaf	0315-5119363	
53.	Chief Officer MC Darya Khan	0453-253432	M.Asif Javed	0300-7501186	
54.	Chief Officer MC	0453-200828	Sohail Anwar	0300-6090491	

	Kallurkot		Khan		
55.	Chief Officer MC Mankera	0453-410464	Ayoub Nawaz	0346-7023317	
56.	Chief Officer TCs Dullewala	0453-445350	Mubashar Kaleem Gull	0302-4866056	
57.	Chief Officer TCs Janadanwala	0453-440345	Sohail Anwar	0300-6090491	
58.	SNA	0453-9200138	Muhammad Nawaz	0343-8880555	
59.	DEO (Rescue 1122)	0453-921424	Eng Ubaid Ullah	0333-6175736	
60.	XEN, Irrigation, Bhakkar	0453-921016	Asad Shafiq	0334-4546111	
61.	Chief Officer Tehsil Council	0453-92151	Inam-Ul-Raheem	0321-5119369	
62.	XEN WAPDA Bhakkar	0453-92116	Aftab Ali Qureshi	0345-1502014	
63.	Deputy Director Colleges	0453-921262	Malik Ghulam Rasool	0333-8901678	
64.	Circle Registrar Cooperative	0453-921444	Fakhar Zaman	0321-6259737	
65.	DMO	0453-9200040	M.Nasrullah Khan Chadhar	033-44000063	
66.	District Food Controller	0453-92106 0453-921077	M.Zulfqar Ali	0333-7771166	
67.	District Election Commissioner	0453-921132 0453-921130	Liaqat Nawaz Shahid	0333-9196786 0303-9460786	
68.	Director Arid Zone	0453-921075	Ch Khalid Hussain	0333-6847027	
69.	Asst.Ext Engineer Railway	-	Maqsood Ahmed	0333-7588241	
70.	Sub Engineer Sui Gas	-	Mehar Muhammad Riaz	0300-8763632	
71.	Supt District Jail	0453-510100	M.Sami Ullah	0300-8064630	

