

DISTRICT DISASTER MANAGEMENT PLAN 2025

Division: DG KHAN

District: KOT ADDU



Floods in 2010



Tounsa Barraj 2010

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Approved by: Deputy Commissioner Kot Addu



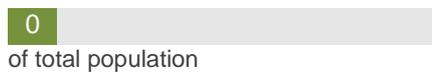
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Hill Torrent

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



Risk: Low

Flood

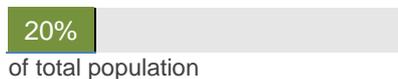
Estimated number of people at risk of Floods in 2025



Risk: High

Earthquake

Estimated number of people at risk of earthquake in 2025



Risk: Low

Epidemic

Estimated number of people at risk of epidemic in 2025



Risk: Medium

EXECUTIVE SUMMARY

District Kot Addu, the land of mighty rivers and flowing canals, witnessed many big deluges which caused losses to the tune of millions of rupees, besides damaging lives and property of the public. The prime response to flood fighting lies with the Irrigation Department. However, in order to save property, lives of the general public, and sources of communication, this plan will emphasize the responsibility of the departments and their role in coordinating their functions effectively. District Kot Addu suffered the worst-ever floods during 2010 in River Indus, 2012 in River Indus, 2014 in River Chenab, and 2022 in River Indus, which affected 1.3 million people and inundated cities like the city area of Kot Addu, Sanawan, Gujrat, etc.

AIM AND OBJECTIVES

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

The main objectives of the plan include:

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

DISTRICT PROFILE

Socio-Economic Indicators (Average)

S.No.	Particulars	Numbers
1.	Population	1,486,758
2.	No. of Tehsils	02
3.	No. of UCs	33
4.	No. of Revenue Estates	41
5.	Population Density (people per km ²)	428
6.	Family Size	07
7.	Pop Growth Rate	3.51
8.	PCI	-
9.	District GDP/Annual Income	
10.	Poverty Rate	43.74
11.	Patient/Doctor Ratio	1179
12.	AMR	86
13.	IMR	32/1000
14.	MMR	152/100000
15.	Literacy Rate	55.25%
16.	Global Acute Malnutrition (GAM) rate	17.7%
17.	Severe Acute Malnutrition (SAM) rate	21.3%
18.	Percentage of population having access to clean drinking water	67%

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (Transgender)
1,486,758	679,918	649,834			75

Source/Note: Click here to enter text.

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks & Morter)
251,512		

Source/Note: Click here to enter text.

Area (in acres)

Total Area of District in Km ²	Area under cultivation	Cultivation in Settled Area	Cultivation in Baid Area
3,471 km ²	4,24,521 acres	4,24,521	

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
55.25%	63.62%	43.1%	69.62%	49.16%	66.89%	43.1%

Source/Note: Click here to enter text.

Government Schools

		Schools	Enrollment
Total/ Overall		706	122489
Boys	Primary	311	44500
	Middle	32	2079
	High	41	25255
Girls	Primary	268	32300
	Middle	24	3155
	High	30	15200
Co-Education	Primary	0	0
	Middle	0	0
	High	0	0
Special Education		02	213

Private Schools

		Schools	Enrollment
Total/ Overall		366	25020
Boys	Primary	0	0
	Middle	92	4296
	High	59	5432
Girls	Primary	0	0
	Middle	26	2574
	High	50	4210
Co-Education	Primary	139	8508
	Middle	0	0
	High	0	0
Special Education		0	0

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

Agriculture	Livestock	Poultry	Fish Farming	Services (Public & Pvt)	Business	Expatriates	Industrial Labor	Skilled Labor	Unskilled Daily Labor	General Labor
45%	32%	08%	02%	02%	05%	%	04%	%	%	%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	Amount of Water	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	2010	366476		959117			9695660000	
2	2013		05				500000/per death	
3	2014	65787	12			300	Rs.1600000/per death	

Disaster History – Other disasters (since 1970)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	2010	Flood	366476		Super flood
2	2013	Flood		05	
3	2014	Flood	65787	12	

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Layyah is at High Risk to Flood & Drought D.G.Khan is at High risk to River flood & Flash Flood Multan is at High Risk to River Flood & environmental threat Jhang ia at High Risk To River Flood
Topographical Features	Kot Addu District, Dera Ghazi Khan Division, Punjab, 34050, Pakistan (30.09412 70.79303 30.76584 71.53698)
Weather/Climate pattern	Temperatures often exceed 44–46°C (111–115°F) during peak summer months like May and June
Major Rivers	Sindh(Tounsa Barraj)
Major Nullahs / Streams	. Canal and Tp link Canal
Motorway/Highway	Kot Addu Multan Road(Head Muhammad Wala)
Railways	Tounsa Barraj lane
Geological features	

Dams (including small dams)

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

Major Embankments/Bunds

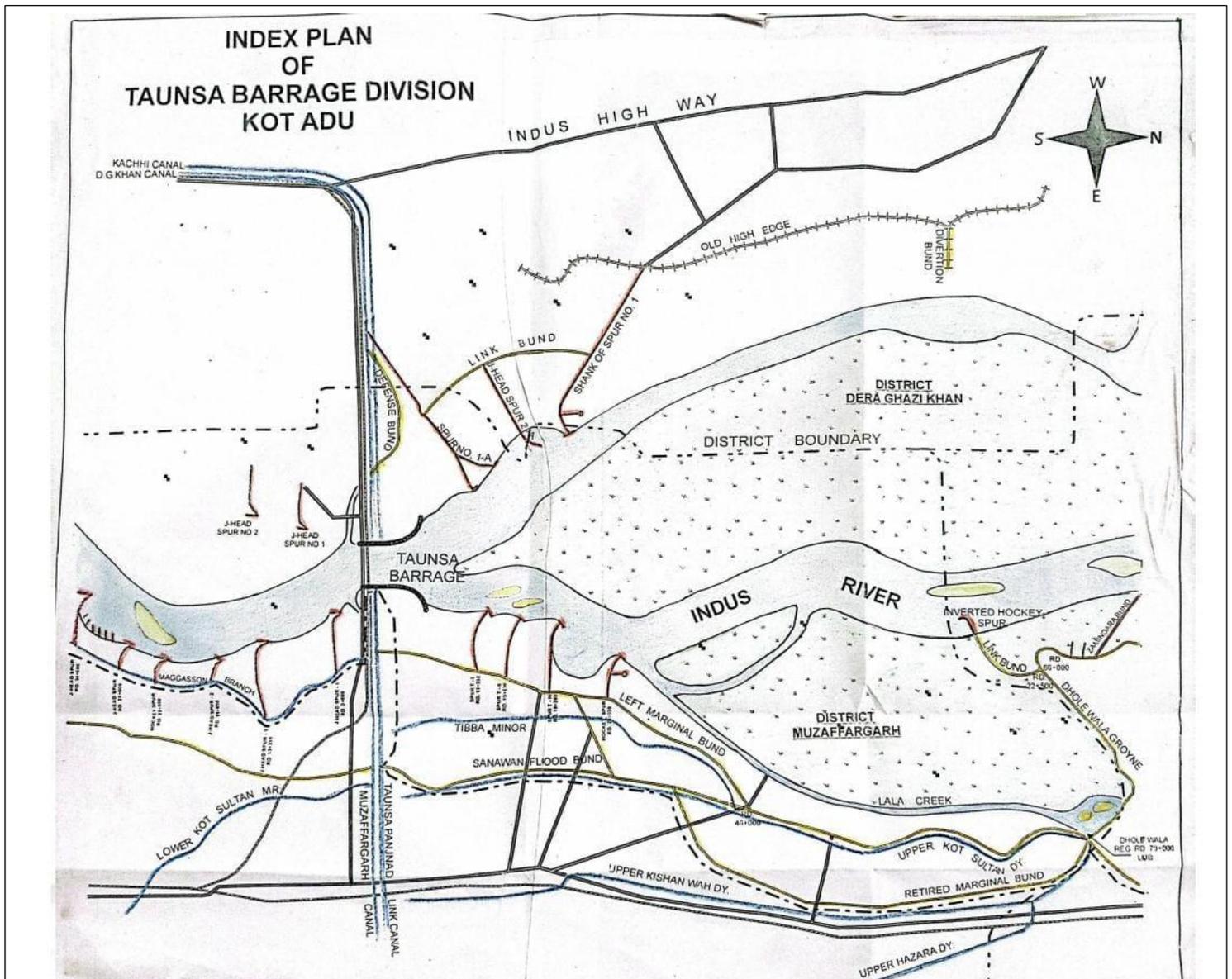
Name of Embankment	Length (km)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/vulnerable Points	Status	Remarks
Left Marginal Bund LMB	0-79Km	0-69km(Kot Addu)	69-79km(Layyah)		Complete Save	
Sanwan Bund	0-41km	Kot Addu	Kot Addu	Second Level	Complete Save	

Breaching Section

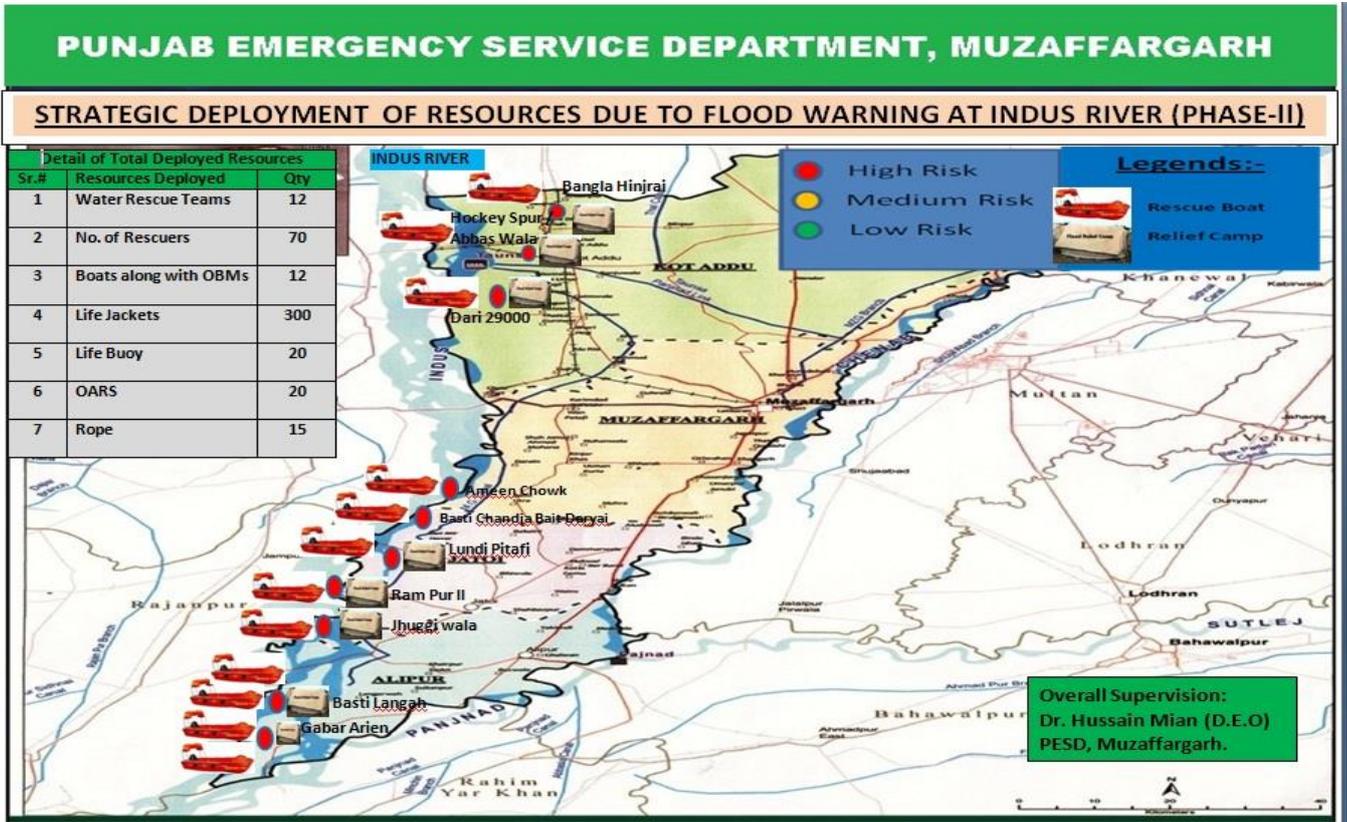
Name of Bund/ Embankment	Name of Breaching Section	Location with GPS Coordinates	Likely Affected Population			Likely Affected Revenue Estate	Remarks
			Male	Female	Children		
No breaching section							

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
KAPCO, Powers Kot addu	1600-MW	X:30°26'42.53"N Y:70°58'47.83"E	PARCO Kot Adu	100,000 Barrel per day Refining Capacity	X: 30°10'6.77"N Y: 70°56'23.37"E
AES Lal Peer Kotaddu	724-MW	X: 30°10'29.78"N Y: 70°59'30.61"E	PSO Oil Depot. Mehmood Kot	16,000 MT Diesel Storage Capacity, 6000 MT Petrol Storage Capacity, 1000 MT Kerosene Oil Storage Capacity	X:30°10'24.24"N Y:70°58'31.31"E



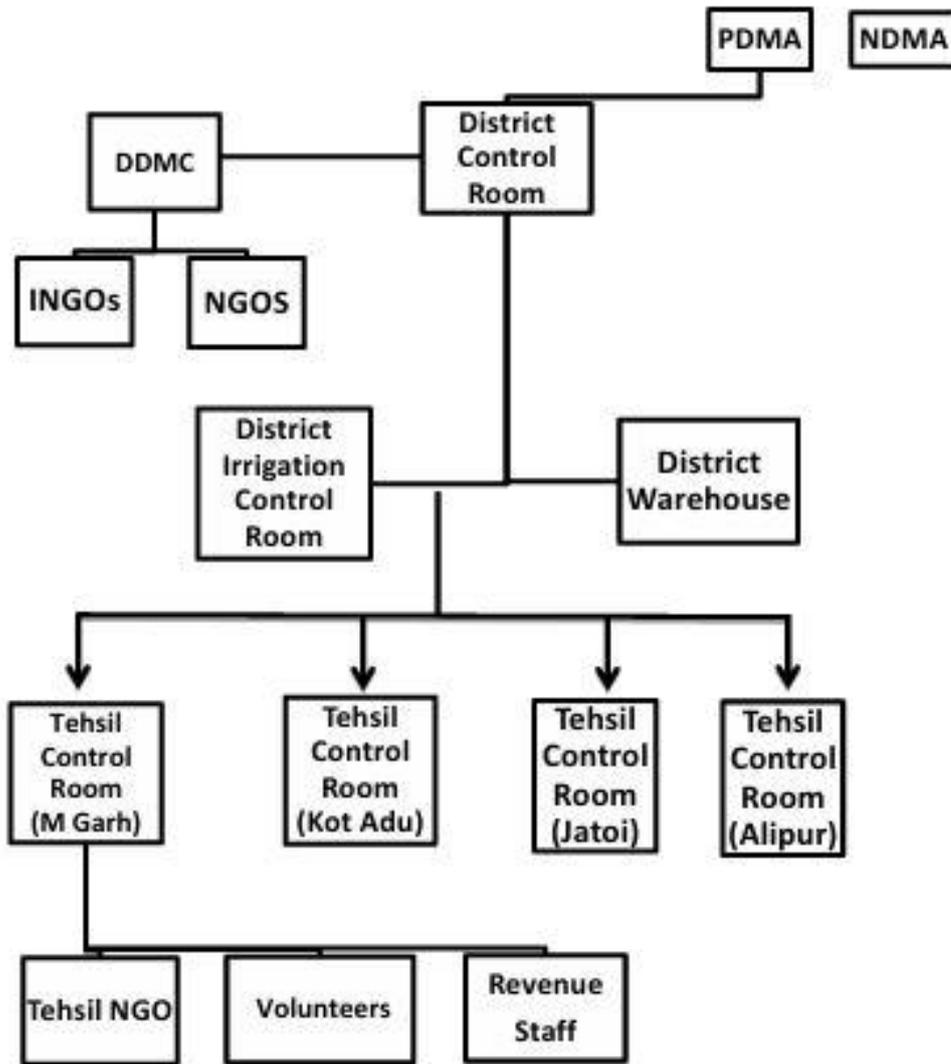
District baseline/reference map



Source:

COORDINATION MECHANISM

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



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

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

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

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

District Plan:

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

Additional Powers of District Authority:

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

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

Revenue Department (Functions and Responsibilities)

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

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

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

Checklist for Revenue Department:

- Survey of entire District (Preparation of Village level information by Patwari)
- Identification of Low lying, medium and high: vulnerability levels with flood level
- Liaison of Patwari with Numberdars of their respective villages
- Contacts of all revenue staff posted near river belts and their output in 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 at settlement level – Patwari responsible Forced evacuation with police
- Rapid assessment for relief goods and ration provision Coordination and reporting
- Carry out survey of entire flood affected areas to assess losses in collaboration with Agriculture, Livestock and Education Department
- Conduct crop damaged/ house damaged surveys

Metropolitan / Municipal Corporations

Municipal / Town Committees

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

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

District Disaster Management Authority (DDMA)

- DDMA's are created under the NDM Act 2010 under Chapter IV Section 18 and the law defines their composition and also outlines their functions, duties and powers.
- District Disaster Management Authorities are the first line of defense and the implementing arm of the government policy and plans. Within the district there are three to four key players/departments that have to put up a joint and coordinated effort in order to fight with and handle any disaster under the leadership and coordination of the DC. The office of the DC fully supported by the DPO and line departments such as Health, Agriculture, Livestock, Civil Defence, 1122, Local Bodies and the Revenue Department form the main disaster management team within any given district. This plan is an effort to highlight their sets of responsibilities followed by the role of provincial departments.
- All district administrations had prepared a detailed contingency plan to face any disaster or hazard specially floods which until recently have become an annual affair for some districts.
- The district administration will divide the area as per district division with the Assistant Commissioner as in charge of his/her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned AC and the Local Bodies.
- On receipt of a flood warning, immediate warning will be conveyed to all the concerned officers. Immediate action will be taken in each sector / sub sector for evacuation of the population from risk prone areas to safer places or to Relief Camps. An Assistant Commissioner will ensure that announcements are made through loudspeakers of the mosques utilizing the services of the Revenue department. Each Patwari will inform the Numbardar, Headmaster of the School, Imam Masjid and councillors to make announcements etc.
- The tactical operations would be headed by the Additional District Collector (ADC). The ADC would be responsible for coordinating and supervising the disaster control and relief measures in the district.
- Provincial government had notified the following composition of DDMA's for whole of the province:
 - i. **Deputy Commissioner (Chairperson)**
 - ii. District Police Officer
 - iii. Additional Deputy Commissioner (Rev)
 - iv. Two Elected Representatives to be nominated by the Chair
 - v. Representative of Pak Army

- vi. Two Representatives of NGOs/Civil Society to be nominated by the Chair
- vii. Additional Deputy Commissioner (General)
- viii. Additional Deputy Commissioner (F&P)
- ix. XEN Buildings
- x. XEN Highways
- xi. Chief Executive Officer (DHA)
- xii. Chief Executive Officer (DEA)
- xiii. SP Special Branch
- xiv. XEN Irrigation / Public Health
- xv. District officer Civil Defense
- xvi. Administrators of Tehsil Councils / Municipal Corporations
- xvii. All Chief Officers of Local Bodies in District
- xviii. District Emergency Officer, Rescue 1122 (Secretary)
- xix. Representative of Red Crescent
- xx. Such other District level Officers to be appointed by District Administration

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

Role of Rescue 1122 in districts during disaster

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

Pre-disaster Check list for DDMA

- Meeting of DDMA held
- Identification of vulnerable areas
- Identification of Safe places
- Preparation of contingency plan
- Bunds and encroachments visited
- Sites identified for relief camps Evacuation routes/plan
- Safe custody of Government records and essential equipment and their shifting to safer areas on receipt of flood warning
- Enlistment of department wise available resources
- Preparation of list of required relief goods/ items
- 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)

DEOC is not establishe in District Kot Addu.

Letter to establish DEOC in kot addu has been sent to Director General PDMA Punjab.

Checklist for Control Room:

- Dedicated Staff as per magnitude of the disaster
- Duty roaster of the staff
- 2 Dedicated telephone lines
- Dedicated Fax
- Wireless
- Internet and Email or any other source of communication
- Power backup

Checklist for Relief Camp Incharge:

- List of staff displayed with name and department teams will work in shifts
- Presence of representatives of all service providers i.e. Health, livestock, Rescue 1122, Civil Defence etc.
- No movement without the permission of Centre Incharge
- Each shift in-charge to contact District Control Room on arrival and then on departure
- In-charge will keep close liaison with SHO of the respective area
- No of affectees in camp (sick, aged and children) shall be communicated daily
- Availability of at least one emergency vehicle at center be ensured
- Keep record of private boat owners and their contacts details
- List of Doctors and private hospital in the vicinity
- List and contact of philanthropists in the vicinity
- Keeping record of donations coming directly to Centre and report the same to Tehsil and District Incharge.
- Centre Incharge shall ensure vaccination of animals and humans against Communicable diseases
- List of missing persons must be displayed at all Relief Camps

Role of Health Department

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

Outreach and Community Based Activities, which focus on immunization, sanitation, malaria control, maternal and child health, and family planning. Primary care facilities include BHUs, RHCs. THQs and DHQs provide inpatient and outpatient care. Tertiary care hospitals located in the major cities for more specialized care.

In case of any disaster or calamity the health department will ensure that the following measures are in place;

- To provide first aid to the injured people and arrange evacuation of patients for further assistance.
- Medical camps and mobile health teams should be arranged for prevention and control of communicable diseases, immunization and provision of essential drugs.
- Health department would make a roster of all medical officers and paramedics that would be deployed to these camps and teams.
- Drugs and other medical equipment should be available at all these camps and with mobile teams. The medicine should be for relevant flood related issues, **particularly Anti-snake venom, Anti-rabies.**
- The shelters or relief camps established by the district administration should have medical centers with ambulances and special facilities for women and children.
- An emergency control room will be established in the office of Directorate General Health Services and a representative of this emergency control room would be designated to PDMA's control room.
- A list of essential medicines would be prepared by the Health department and it would ensure that medicines and other resources are present in sufficient stocks in hospitals in disaster hit areas.
- Medical colleges may be involved to create Emergency Response teams
- Health department would also coordinate with international organizations such as WHO and UNICEF.
- Extensive disease surveillances in the disaster hit areas should be carried out warnings if needed be issued through the Disease Early Warning System.

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

Civil-Military Coordination Mechanism

The DC is responsible for all the coordination with Military. As the situation demands, the Deputy Commissioner 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 Emergency.

Volunteer Network

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

District Officer Social welfare is focal person for the coordination with the INGOs/NGO. He will be responsible for collection/ deployment of Volunteers, collection of details of machinery/equipments available with the INGOs/NGOs and prepare a plan for the utilization of these equipments with the consultation of Rescue 1122

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	4	4	15
Urban Flooding	2	2	6
Flash Floods	4	4	4
Hill Torrent	0	0	0
Glacial Lake Outburst Flood (GLOF)	0	0	0
Landslide	0	0	0
Tornado	0	0	0
Earthquake	2	2	4
Drought	2	2	5
Epidemic	3	2	4
Fire Incidents	2	4	17
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	5	4	14
Environmental Hazards (industrial accidents, severe pollution etc.)	3	3	11

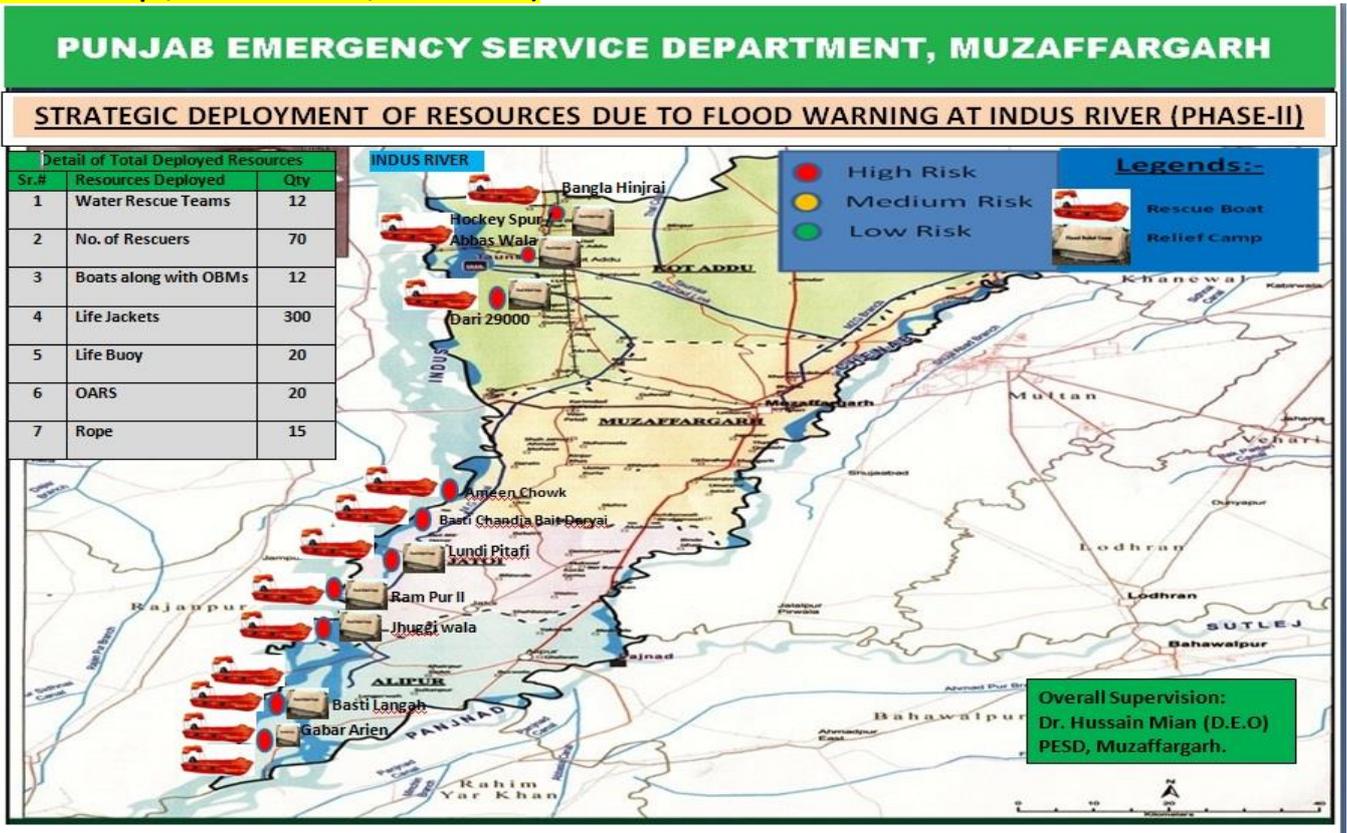
Risk = Impact x Likelihood

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

2. Hazard

Tehsil Kot Addu lies near the Indus and Chenab, covering a length of about 100 miles. In the rainy season rivers overflow and affect the towns, villages, crops in the tehsil. River Indus is active during the period of June-July to September. Despite strenuous efforts floods cause colossal damage to life and property. The floods of 2010 have been recorded as the most severe flood received by the tehsil with a peak discharge. This heavy discharge of water breached the Abbas Wala and Hockey Sipper flood bunds thus inundating a large area of Tehsil Kot Addu. Infrastructure was seriously damaged and large scale area was evacuated on emergency grounds.

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



Source:

3. Response & Operational Capacity

At the government level, agencies like District Disaster Management Authority (DDMA), Rescue 1122, and Civil Defense have established comprehensive response plans. These plans include the identification of needs and shortfalls, which have been formally communicated to the relevant authorities for prompt action.

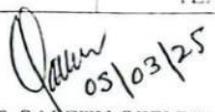
All line departments operate under the directives issued by the Flood Control Center, ensuring a coordinated response during emergencies.

In addition, the role of non-governmental organizations (NGOs) is significant. NGOs working in the district have developed their own response strategies, which are shared and aligned with the District Government to ensure synergy and avoid duplication of efforts. Their involvement enhances the district's capacity to manage relief operations and provide support to affected communities

4. Strategic Reserves

RESCUE & RELIEF EQUIPMENT**DISTRICT KOT ADDU**

Sr No.	Particulars	Quantity	Functional	Non-Functional	New Demand	Remarks
1	Pneumatic Boat	01		Non-functional	No	Needs Repair
2	Fibre Glass Boat 19 Ft	04		Non-functional	Yes	Required 05
3	Fibre Glass Boat 24 Ft	-	-	-	No	Not Required
4	OBM 25HP	-	-	-	No	Not Required
5	OBM 40HP	05	04	1	Yes	Required 01
6	OBM 60HP	-	-	-	-	Not Required
7	OBM 48HP	-	-	-	Yes	Required 01
8	Life Jacket (Adults)	40	40	-	Yes	Required 20
9	Life Jacket (Minors)	20	20	-	Yes	Required 10
10	Life Ring	14	14	-	Yes	Required 10
11	Scuba Set	01	01	-	Yes	Required 02
12	Tent	01	01	-	Yes	Required 04
13	Plastic Mat	-	-	-	Yes	Required 10
14	Mosquito Net	-	-	-	Yes	Required 40
15	Blanket	-	-	-	Yes	Required 20
16	Quilt	-	-	-	Yes	Required 20
17	Mattress	-	-	-	Yes	Required 20
18	Dewatering Set 1-Cusec	-	-	-	No	Not Required
19	Dewatering Set 2-Cusec	-	-	-	No	Not Required
20	Dewatering Set 3-Cusec	-	-	-	No	Not Required
21	Dewatering Set 4-Cusec	-	-	-	No	Not Required
22	Generator With Light Stand	-	-	-	Yes	Required 02
23	SCBA (with set) open circuit deep well Rescue	-	-	-	Yes	Required 01
24	Sludge suit	-	-	-	Yes	Required 02 (pair)
25	Safety Gloves	-	-	-	Yes	Required 10 (pair)
26	Rain Suit	-	-	-	Yes	Required 30
28	Oars	04	04	-	Yes	Required 10
29	Nylon Rope (100 Ft)	-	-	-	Yes	Required 08
30	Fuel Cane	07	05	02	Yes	Required 04
31	Fuel Lead	05	03	02	Yes	Required 05
32	Chargeable Emergency lights SOGO	03	01	02	Yes	Required 10
33	Navigation Device	-	-	-	Yes	Required 05
34	Water Cooler	-	-	-	Yes	Required 05
35	Rubber Gum Shoes	-	-	-	Yes	Required 20 (Pair)
36	Water Rescue Vehicle	-	-	-	Yes	Fully Equipped with modern TEAs


 RESCUE & SAFETY OFFICER
 RESCUE 1122 KOT ADDU

5. Gaps and Constraints

As a newly established district, Kot Addu faces several logistical and operational challenges in disaster preparedness and response. The primary relief warehouse is currently located in ., which creates delays and accessibility issues for timely supply of essential relief items and equipment during emergencies.

MITIGATION STRATEGY

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

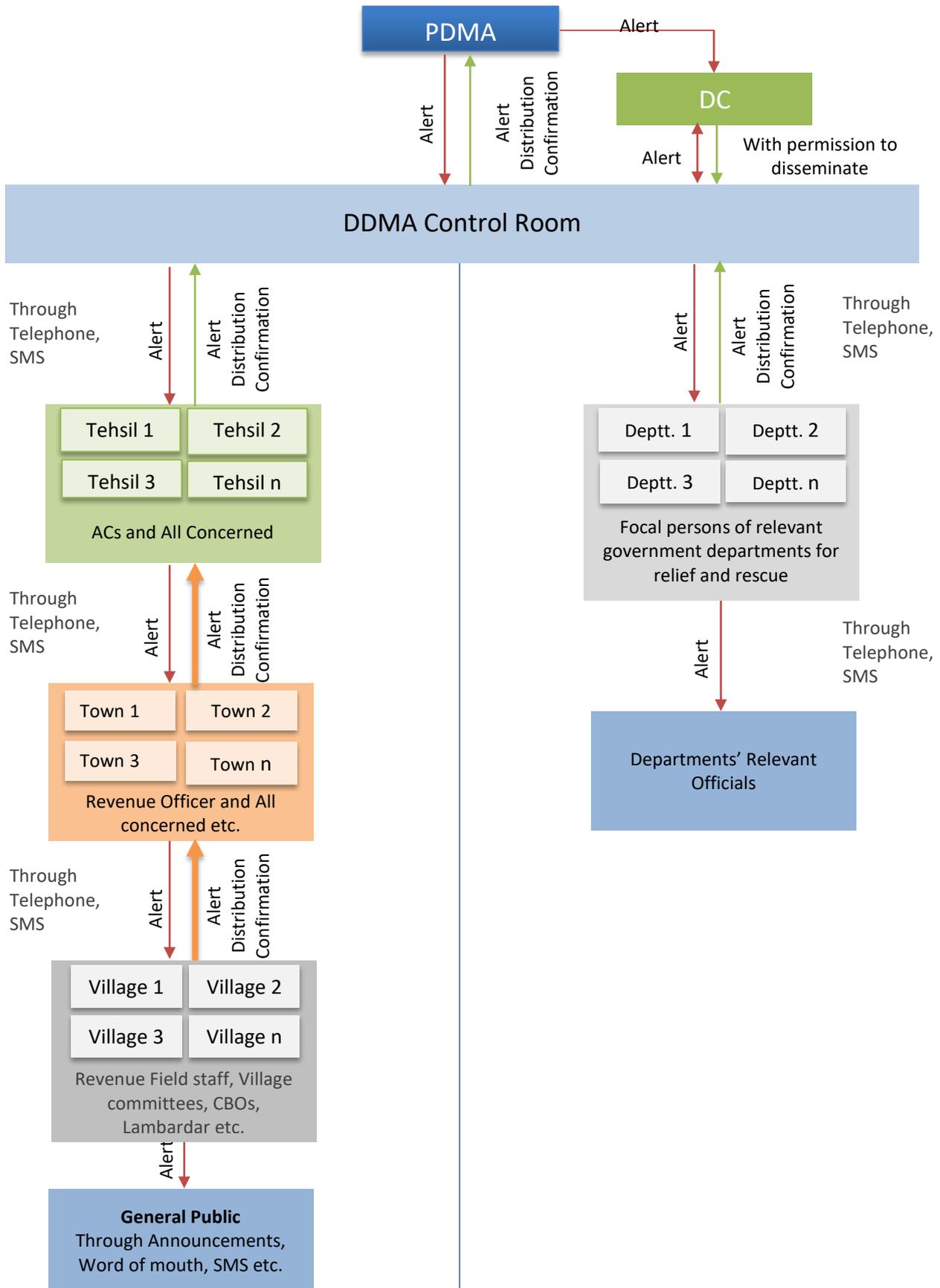
Hazards	Mitigate Actions	Responsible Department
Floods	<ol style="list-style-type: none"> 1. Coordinate exercise for flood-fighting arrangements, evacuation, and the relocation of people to relief camps. 2. Allocate separate areas to different NGOs and INGOs for their relief operations 3. Provide transport and dry ration before moving flood affectees back to their houses 4. Rehabilitation of damaged structures of Irrigation Department including breaches, irrigation canals, drainage canals etc. 5. Rehabilitation of Roads to ensure connectivity of all areas and to provide facilitation to the farmers to access markets 6. Pre-flood inspection of all the prone areas, makeup deficiencies and issue a satisfaction certificate 7. Health care arrangements before, during and after any flood emergency 8. Making-up deficiencies in structures with the flood prone areas 9. Provide a list of vibrant, energetic & dedicated volunteers with their additional qualifications like first aid workers, boys scouts etc. 	<ul style="list-style-type: none"> • All ACs • Ceo Health • Ceo Education • Sdo Buildings • XEN Irrigation • Rescue 1122 • Social Welfare
Urban Flooding		
Flash Floods		
Hill Torrent		

Glacial Lake Outburst Flood (GLOF)		
Landslide		
Tornado		
Earthquake	Inception of Buildings and Evacuation Plan for people	TMA and SDO Buildings
Drought	<ul style="list-style-type: none"> • Plant trees • Check car wash stations 	Forest Department
Epidemic	<ul style="list-style-type: none"> • Lockdown the Infected Area • Vaccinate 	Health Department
Fire Incidents	<ul style="list-style-type: none"> • Forestry 	<ul style="list-style-type: none"> • 1122

	<ul style="list-style-type: none"> • Mock exercise • Trainings • Equipment 	Fire Brigade <ul style="list-style-type: none"> • Civil defense
	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	<ul style="list-style-type: none"> • First aid and Rescue • Infrastructure maintenance 	<ul style="list-style-type: none"> • 1122 Fire Brigade • Highway • Traffic Police
Environmental Hazards (industrial accidents, severe pollution etc.)	<ul style="list-style-type: none"> • Awareness Campaings • Trainings • Workshops 	<ul style="list-style-type: none"> • Environment Department

EARLY WARNING

Information Flow Diagram



Alertness Levels

Following four levels alertness have been established:

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

Early Warning

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

Who is the focal person at district level?

Functions of District/Tehsil Emergency Control Rooms in early warning

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

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

RESCUE STRATEGY

- **Evacuation Operations:**
 - Identify and prioritize vulnerable areas (low-lying, near rivers, breach-prone).
 - Mobilize Rescue 1122 and Civil Defense for safe and timely evacuation.
 - Pre-designated **safe shelters/camps** will be activated with basic amenities.
- **Medical Assistance:**
 - Set up **emergency medical camps** at evacuation points and relief shelters.
 - Deploy mobile health units with **medicines, paramedics, and ambulances**.
 - Coordinate with Health Department and NGOs for **emergency vaccination** and **first aid kits**.
- **Search and Rescue:**
 - Deploy Rescue 1122 with boats and trained staff.
 - Civil Defense will assist with community-level rescue operations.
 - Prepare for potential deployment of **Pakistan Army** if rescue needs exceed local capacity.
- **Temporary Shelter and Relief Distribution:**
 - Schools and public buildings to serve as **temporary relief shelters**.
 - Coordinate food, water, and hygiene kits distribution via **District Administration and NGOs**.

HUMANITARIAN ASSISTANCE

- *How damage and losses data will be collected and communicated to higher level?*
- *How the priority needs (e.g. food, shelter, health etc.) will be determined?*
- *What activities will be carried-out to provide assistance to the affected population and by whom?*
- *What assistance will be provided?*
- *Standardization of different packages/kits e.g. food, tents*
- *Humanitarian Assistance monitoring mechanism – to avoid duplication and identify gaps*
- *Minimum standards for camps, if camps are established*
- *What is the current capacity in the district? Enough for how much caseload?*
- *Explain how protection, gender and age, environment and other relevant cross-cutting issues that will be addressed or mainstreamed into the humanitarian assistance strategy*

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

S#	Name of Relief Camp	Population	Affected Mouzas	Area (in Acres)
1	Jhangi Darbar	10003	Hinjrai Ghair Mustaqil Sharqi, Tibba Ghair Mustaqil Gharbi, Nishan wala, Lomar wala	1250
2	Abbas Wala	7473	Hinjrai Ghair Mustaqil Sharqi, Tibba Ghair Mustaqil Gharbi,	1500
3	Hockey Sipper	3514	Hinjrai Ghair Mustaqil Gharbi, Hinjrai Ghair Mustaqil Darmiani, Ahsanpur etc.,	4500
4	Head Taunsa Barrage	23273	Pattal Kot Addu Ghair Mustaqil, Matwani wala, Janun Ghair Mustaqil, Bait Qaim wala, Bhubhar Ghair Mustaqil, Loon wala, Faqir wali, Pirhar Gharbi	4100
5	Battery Wala Pu	5409	Bait Qaim wala, Bhubhar Ghair Mustaqil, Loon wala, Faqir wali, Pirhar Gharbi	950
6	Pul Magesen	6213	Bhubhar Ghair Mustaqil, Loon wala, Faqir wali, Pirhar Gharbi	15000
7	Khar Gharbi ,Dera Ibrahim Ladhan	13376	Khar Gharbi , Bait Angra, Bait Uttra Kot Addu,Nahar Wala,Kallo Wala, Pati Dhera Kharan, Jungan Wali	1800
8	Tariq Jameel More(Ra kh Essan Wala)	4787	Pati Dhera Kharan, Jungan Wali.Dandy Wala, Isan Wala.Rakh Essan Wala, Rakh Saban machi	1450
9	Boys High School Ghazi Ghat	31138	Bait malana , Khawas Wala, Kunder Wali, Chan Wala, Bait Uttra Ghazi Ghat, Sojhal Wali	12000
10	Boys Middle School Dabi Shah	14575	Dabbi Shah, Bait Ranunja, Bait Zaini, Bait Sohni, Kalhor, Kachi Kutria Gurmani	7000

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

Hazards	Tehsils	UCs	Names of Revenue Estates
Floods	Kot Addu		Hinjrai Ghair Mustaqil Sharqi, Tibba Ghair Mustaqil Gharbi, Nishan wala, Lomar wala, Pattal Kot Addu Ghair Mustaqil, Matwani wala, Janun Ghair Mustaqil, Bait Qaim wala, Bhubhar Ghair Mustaqil, Loon wala, Faqir wali, Pirhar Gharbi, Pati Dhera Kharan, Jungan Wali.Dandy Wala, Isan Wala.Rakh Essan Wala, Rakh Saban machi. Dabbi Shah, Bait Ranunja, Bait Zaini, Bait Sohni, Kalhor, Kachi Kutria Gurmani
Urban Flooding			
Earthquake			
Drought			
Epidemic			
Environmental Hazards (industrial accidents, severe pollution etc.)			

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

S#	Name and Location	GPS Coordinates	Health Facility Type (Primary, Secondary, Tertiary)	Name and Contact No of Focal Person	Hazard Vulnerability (Floods, Earthquake etc.)
1	BHU KANJU WALA	X: 70.946928 Y: 30.53783	PRIMARY	Dr.Maryam Saleem 3075519852	FLOOD
2	RHC LEVEL TAUNSA BARRAGE	X: 70.914371 Y: 30.514351	PRIMARY	M FAROOQ 03454846025	FLOOD
3	BHU PIRHAR SHARQI	X: 70.91225 Y: 30.41916	PRIMARY	M SAJJAD HAFEEZ 03005603808	FLOOD
4	BHU SHEIKH UMER	X: 70.91449 Y: 30.39973	PRIMARY	M Naseer ahmad 3337203500	FLOOD
5	BHU KHAR GHARBI	X: 70.879056 Y: 30.326354	PRIMARY	Muhammad Ijaz Akram 03005605608	FLOOD
6	RHC GUJRAT	X: 70.954259 Y: 30.176386	PRIMARY	Mulazam hussain 3017886543	FLOOD
7	BHU GHAZI GHAT	X: 70.871225 Y: 30.08124	PRIMARY	TAHIR ZAFAR 03047321325	FLOOD
8	RHC DAIRA DEEN PANAHA	X: 70.94005 Y: 30.57515	PRIMARY	Muhammad Siddique 3467880681	FLOOD
9	RHC SINAWAN	X: 70.973983 Y: 30.318093	PRIMARY	Ghulam Abbas 3453439737	FLOOD
10	THQ KOT ADU	X:70.967342 Y: 30.46227	SECONDARY	DR KAMRAN 03336869111	FLOOD
11	BHU THATHA GURMANI	X: 70.934433 Y: 30.298008	PRIMARY	Muhammad IMRAN 3457141956	FLOOD
12		X: Y:			
13		X: Y:			
14		X: Y:			
15		X: Y:			

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrollment	Incharge Name	Contact Number
1	GPS Loon Wala	School	30.4530987, 70.8847976	49	Ghulam Akbar	3444142009
2	GPS SULTAN MEHMOOD WALA	School	30°40'14.6"N 70°55'11.3"E	186	BASHIR AHMAD	0342-6262469
3	GPS MEHRI WALA	School	30.66331,70.85265	84	MUHAMMAD TAHIR	333.6001090
4	GPS YAKAIL WALA	School	30.65388,70.86698	102	TAHIR Fareed	300.7481128
5	GPS NISHAN WALA	School	30.602592,70.840587	83	Ejaz Ahmad	+92 333 6008665
6	GPS NISHAN WALA	School	30.61335,70.88266	87	Muhammad AKASH	+92 344 7174362
7	GES ABDUL REHMAN WALA	School	30.572758,70.839333	170	Muhammad Sohail	314.6008721
8	GPS BHEDAN WALI	School	30.61352,70.832664	150	Muhammad Imran	332.0324366
9	GPS Loon Wala	School	30.4530987, 70.8847976	49	Ghulam Akbar	3444142009
10	GPS SULTAN MEHMOOD WALA	School	30°40'14.6"N 70°55'11.3"E	186	BASHIR AHMAD	0342-6262469
11	GPS MEHRI WALA	School	30.66331,70.85265	84	MUHAMMAD TAHIR	333.6001090
12	GPS YAKAIL WALA	School	30.65388,70.86698	102	TAHIR Fareed	300.7481128
13						
14						
15						

ANNEX V: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

S#	Industry Name	Location	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/ Earthquake
1	ABDUL GHAFOOR MECHANICAL WORKS,	GT ROAD, SINAWAN, District KOT ADDU	AGRICULTURAL IMPLEMENTS	0345-7354955	Low	Fire
2	DURRANI ENGINEERING INDUSTRIES,	GT ROAD, KOT ADDU	AGRICULTURAL IMPLEMENTS	066-2242546, 2241546	Low	Fire
3	FAKHAR ALAM (MUGHAL KA ZARI ALLAT	GT ROAD, KOT ADDU	AGRICULTURA L IMPLEMENTS	066-2242488	Low	Fire
4	AL-HAIDER COTTON FACTORY	SINAWAN KOT ADU	COTTON GINNING AND PRESSING	066-2450525	Medium	Fire
5	AL-SHOAIB COTTON FACTORY	MIANWALA ROAD KOT ADU	COTTON GINNING AND PRESSING	066-241699	Medium	Fire
6	AMJAD FAROOD COTTON FACTORY	GHAZI GHAT KOT ADU	COTTON GINNING AND PRESSING	066-2480122	Medium	Fire
7	BISMILLAH COTTON FACTORY	G.T.ROAD KOT ADU	COTTON GINNING AND PRESSING	066-242835	Medium	Fire
8	GILANI COTTON FACTORY UNIT 2	TOUNSA ROAD KOT ADU	COTTON GINNING AND PRESSING	066-2243661	Medium	Fire
9	HASNIAN IMRAN COTTON INDUSTRIES	MULTAN ROAD GHAZI GHAT KOT ADU	COTTON GINNING AND PRESSING	0304-6600600	Medium	Fire
10	INAM COTTON FACTORY	GURMANI ROAD LASORY	COTTON GINNING AND PRESSING	066-2510252- 60	Medium	Fire

S#	Industry Name	Location	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/ Earthquake
		KHARAN KOT ADU				
11	RABBANI COTTON FACTORY	KHAR GHARBI ROAD SINWAN KOT ADU	COTTON GINNING AND PRESSING	066-2450005	Medium	Fire
12	ROOMI COTTON FACTORY UNIT 3,	THATHA GARMANI SANAWAN KOT ADU	COTTON GINNING AND PRESSING	066-2202114	Medium	Fire
13	ABDULLAH FLOUR MILLS,	LAYYAH ROAD KOT ADU	FLOUR MILLS	066-22242872	Low	Null
14	ARIF AFZAL FLOUR MILLS	MULTAN ROAD KOT ADU	FLOUR MILLS	066-2241527	Low	Null
15	NEW REHMAN FLOUR MILLS LTD	G. T. ROAD KOT ADU	FLOUR MILLS	066-2242679	Low	Null
16	SHOAIB QASIM FLOUR & GENERAL MILLS	KOT ADU	FLOUR MILLS	066-2241699	Low	Null
17	AES PAK-GEN. (PVT) CO.	NEAR MAHMOOD KOT KOT ADU	POWER GENERATION	2422967-9, www.aes.com	Medium	Fire
18	KOT ADDU POWER LTD.,	GTPS KOT ADU	POWER GENERATION	06622-41336, www.kapco.co m.pk	Medium	Fire
19	ARAIN RICE MILLS	G.T. ROAD SANAWAN KOT ADU	RICE MILLS	0300-6788128	Low	Null
20	G.H. RICE MILLS	G.T. ROAD KOT ADU	RICE MILLS	066-2243515	Low	Null
21	KISAN RICE MILLS,	SINAWAN, District KOT ADU	RICE MILLS	066-2250395	Low	Null
22	MAHR RICE FACTORY	TIBBI NIZAM SINAWAN	RICE MILLS	066-2250068	Low	Null

S#	Industry Name	Location	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/ Earthquake
		KOT ADU				
23	FATIMA SUGAR MILLS LTD.,	FAZAL GARH, SINAWAN, KOT ADDU	SUGAR Production	0662250512-4, www.fatima_group.com	Medium	Fire
24	SHEIKHOO SUGAR MILLS LTD;	ANWARABAD, SINAWAN, KOT ADDU	SUGAR Production	0300-8476670-72	Medium	Fire
25	AHMAD HASSAN TEXTILE MILLS LTD.	CHOWK SARWAR SHAHEED, MM ROAD, KOT ADU	TEXTILE SPINNING	066-2211490, www.ahtml.com.pk	Medium	Fire
26	MAQBOOL TEXTILE MILLS LTD.	M.M.ROAD, CHOWK SARWAR SHAHEED KOT ADU	TEXTILE SPINNING	0662-210066, www.maqbooltex.com	Medium	Fire
27	HAFEEZ MECHANICAL WORKS,	GT ROAD, KOT ADDU	AGRICULTURAL IMPLEMENTS	066-2241859	Low	Fire
28	ITTEFAQ BAKHT (ANWAR KA ZARI ALLAT), GT ROAD, KOT ADDU	AGRICULTURAL IMPLEMENTS	0300-4222866	Low	Fire
29	ITTEHAD MECHANICAL WORKS,	GT ROAD, KOT ADDU	AGRICULTURAL IMPLEMENTS	0300-6860639	Low	Fire
29	JARRAR MECHANICAL WORKS,	GT ROAD, KOT ADDU	AGRICULTURAL IMPLEMENTS	0334-6004671	Low	Fire
30	KISAN ENGINEERING WORKS	G.T.ROAD KOT ADU	AGRICULTURAL IMPLEMENTS	0308-6977514	Low	Fire
31	MAJEED MECHANICAL WORKS,	GT ROAD, SINAWAN, TEHSIL KOT	AGRICULTURAL IMPLEMENTS		Low	Fire

S#	Industry Name	Location	Risk Type (Chemical, Biological, Radiological, Nuclear)	Name and Contact of Focal Person	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/ Earthquake
		ADDU				
32	MEHMOOD UL HASSAN ENGINEERING	G.T. ROAD KOT ADU	AGRICULTURAL IMPLEMENTS	0300-748047, 0333- 6012975	Low	Fire
33	MUKHTAR HUSSAIN MECHANICAL	G.T. ROAD KOT ADU	AGRICULTURAL IMPLEMENTS	0345-6005520	Low	Fire
34	MUSHTAQ MECHANICAL WORKS	G.T.ROAD KOT ADU	AGRICULTURAL IMPLEMENTS	0301-6981316	Low	Fire
35	NOOR WHEAT THRESHAR & TROLLY MAKERS,	GT RODAD, SINAWAN, District KOT ADDU	AGRICULTURAL IMPLEMENTS	0345-7155205	Low	Fire

ANNEX VI: LIST OF NGOs WORKING IN THE DISTRICT

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
1	Punjab Health Education Human Rights Development Organization	Local	Tehsil Kot Addu	welfare of widows, welafr of children, welfare ofpatients	Ch.Naveed	03336002144 /03315669119
2	Human Development Organization Shaikhu Sugar Mills	Local	Tehsil Kot Addu	education , health	Hashim Gushkori	03458530699
3	Ittehad Village Welfare Organization	Local	Tehsil Kot Addu	skill deelopment, human rights ,basic education, welfare of farmers	Ghulam Abbas	03176817371
4	Iqra Welfare Society	Local	Tehsil Kot Addu	serve the needy of coummunity	Sayada Kalsoom Gilani	03333560352
5	Tera Developemnt Organization	Local	punjab	financial assist	Shahir Yar	03336484491
6	Sahab Developemnt Organization	Local	Tehsil Kot Addu	(PWP) Vocational Center	Shabana parveen	03337018898
7	Bano Welfare Organization	Local	Tehsil Kot Addu	serve the needy of coummunity	Shinaz Bano/ Farah Naz	03057792714/ 03377837685
8	Pasban Development Organization	Local	Tehsil Kot Addu	Medical Camp	M.Qasim Gurchani/ Tasleem Bibi	03467012789/ 03356027327
9	Madni Women Developemnt Organizationg.	Local	Tehsil Kot Addu	women rights, health, education	Rani Waheeda /Qasim Shahzad	03336003932 03336017212
10	Friend Welfare Council	Local	Tehsil Kot Addu	Vocational Center	Noor Anjum Farhani &	03330676046 / 03336002042

S#	NGO Name	NGO Type (Local, National, International)	Location where they are working	Sector/Cluster of work (e.g. WASH, Health, Education)	Focal Person Name	Contact No.
					Dr Ateeq Chishti	
11	Gharib Parwar Welfare Organization	Local	Tehsil Kot Addu	Visual disabilities	Atiq Ur Rehman Shabana Blbi	03444692215
12	Rural Development Orgnization	National	Tehsil Kot Addu	Visual disabilities	Khalid Gurmani Ghulam Rasool	03007482543 03457212664
13	Patient Welfare Society	Local	Tehsil Kot Addu	Health	Dr Mahar Ajmal	03336009494
14	Al-Falah Development Organization	Local	Tehsil Kot Addu	Health	Shahid Bhutta	03007485620

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Mobile	Email ID
1	Focal Person for Disasters	Awaid Irshad	066-9200264	03217991718	
2	Commissioner	Mr Ashfaq Ahmad	064-9260467	03410922058	
3	RPO	Mr Sajjad Hussain	064-9260461		
4	DC	Syed Munawwar Abbas Bukhari	066-2550395	0321-9434844	dckotaddu@gmail.com
5	DPO	Dr Rizwan	066-9200311/12	0300-8445086	
6	ADC(R)	Awaid Irshad	066-9200264	03217991718	
	ADC (F&P)	Anum Hafeez	066-9200267	0333-76210333	
7	AC –Kot Addu	Mir Roman Khalil	066-2242691	0321-4769066	ackotaddu@gmail.com
8	AC – Chowk Sarwar Shaheed	Shoib Bosan	066-221003	0303-6660000	
9	Rescue Incharge-1122	Usama Zeeshan	066-2240122	0300-8161122	osamazeshankhan@gmail.com
12	Tehsildar -Kot Addu	Muhammad Zeeshan Naseem.		0332-8878336	zeeshannaseem875@gmail.com
13	Tehsildar -CSS	Muhammad Bilal			
14	Chief Officer -Kot Addu	Muhammad Umar Riaz	066-2243659	0300-4187474	kotaddumc@gmail.com
15	Chief Officer – Daira din Panah	Muhammad Rashid Amin		0313-4424252	executives.bzu@gmail.com
16	Chief Officer - Sanawan	Syed Munawar Abbas	066-2250066	0345-7252255	sinawanmc@gmail.com
17	Chief Officer - CSS	Khawaja Kashif Muneer			
17	DEO Education	Naveed Abdullah Khan	066-2240790	0345-7291055	naveedabdullahkhansumbal@gmail.com
18	Civil Defense Officer	Mis Sehrish Irshad	066-9200140	0331-6473842	
19	XEN Irrigation Tounsa Barraj	Noman Baig		0331-6306140	

DDMA(KOT ADDU)

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20	XEN Irrigation Canal	Muhammad Usman (XEN)	066-2242926	0300-4436614	irrgation_xenkad@yahoo.com
21	XEN Buildings	Shahid Riyaz	066-9200069	0337-0600059	
22	XEN Highways	Shahid Riyaz	066-920069	0337-0600059	
23	DO Agriculture	Muhammad Afzal	066-2239332	0301-6950914	adaextkotaddu@gmail.com
24	CEO Health	Dr Fayyaz Gopang		0300-6346453	
25	DMO				
26	Incharge DHQ Hospital	Dr Kamran Akbar	066-2243119	0333-6869111	Drkamranakbar@outlook.com
27	AD Local Government	Abdul Hameed Azad		0333-6004101	hameedazad4101@gmail.com
28	Ad Social Welfare	Arif naeem	066-2240170	0300-6172331	arifnaeem074@gmail.com
29	DDMC KOT ADDU	Wasif Ur Rehman		0349-6002340	Wasifree123@gmail.com
29	DD Livestock	Dr.abdul hameed	066-2241100	0333-6001690	dr.abdulhameed.106@gmail.com
30	DHO Health	Tipu Sultan		0336-1016311	

ANNEX VIII (A): LIST OF VOLUNTEERS

S#	Volunteer Name	Father Name	Cnic	Address	Contact Number	Time Required to be on-board
1	Shahnaz Bibi	Sana Ullah	32303-7459039-2	504/TDA, , Chak No. 504/TDA, Aziz Abad, Kot Adu,	03431604468	Immediate
2	Nasim Bibi	Ghulam Nabi	32303-6983756-2	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03414379316	Immediate
3	Bakhtar Mai	Ansar Abbas	32303-5935396-4	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03426406498	Immediate
4	Hanifan Mai	Bashir Ahmed	32303-4079820-8	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03407000527	Immediate
5	Naheed Akhtar	Muhammad Fayaz	32303-0341659-4	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03446097816	Immediate
6	Muhammad Nusrallah	Ghulam Rasool	32303-0716451-3	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03415379516	Immediate
7	Ghulam Mustafa	Muhammad Bashir	N/A	504/TDAChak No. 504/TDAAziz Abad Kot Adu	03446097816	Immediate
8	Muddassar Iqbal	Zafar Iqbal	N/A	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	0345-3197504	Immediate
9	Riaz Hussain Shah	Muhammad Shah	32303-0730394-7	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03461755465	Immediate
10	Allah Yar	Muhammad Rafiq	32202-0485683-1	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03454468906	Immediate
11	Arshad Ali	Nazir Ahmed	32303-4510974-1	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03448548822	Immediate
12	Abdul Ghani	Atta Ullah	32303-0733536-5	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03444249476	Immediate
13	Muhammad Aslam	Ghulam Hussain	32303-0711591-7	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03467354432	Immediate
14	Muhammad Tariq	Ghulan Rasool	32303-0870262-5	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03468414976	Immediate
15	Muhammad Ramzan	Muhammad Bux	32303-7224172-7	504/TDAChak No. 504/TDAAziz Abad Kot Adu.	03462295899	Immediate
16	Sharifan Mai	Raiz Hussain	32304-9557497-2	Arian WalaChak No. 507/ TDAAziz Abad Kot Adu.	03489399856	Immediate
17	Abdul Rehman	Atiq U Rehman	32303-3009974-3	Arian WalaChak No. 507/ TDAAziz Abad Kot Adu.	03414653455	Immediate
18	Muhammad Afzal	Khadam Hussain	32303-1017743-3	Chak No. 507/ TDACHak No. 507/ TDAAziz Abad Kot Adu.	03444380696	Immediate
19	Ghulam Yasin	Muhammad Ramzan	32303-0954544-7	Chak No. 507/ TDACHak No. 507/ TDAAziz AbadKot Adu.	03447313044	Immediate
20	Kousar Bibi	Mureed Hussain	32303-1022060-6	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03436532205	Immediate
21	Kalsoom Bibi	Zafar Iqbal	32303-6325486-6	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03414788507	Immediate
	Aziz Mai	Muhammad	32303-	Ejaz WalaChak No. 507/ TDAAziz AbadKot	03446721607	

S#	Volunteer Name	Father Name	Cnic	Address	Contact Number	Time Required to be on-board
22		Ramzan	3072197-4	Adu.		Immediate
23	Sakina Bibi	Talib Hussain	32303-2975469-8	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03466328209	Immediate
24	Ejaz Hussain	Manzoor Hussain	32303-6458396-5	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03466328209	Immediate
25	Muhammad Shoukat	Allah Wasaya	32303-8302610-1	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03464796052	Immediate
26	Naseer Ahmad	Fazal Mohammad	32303-5344952-9	Ejaz WalaChak No. 507/ TDAAziz AbadKot Adu.	03450366328	Immediate
27	Muhammad Ramzan	Allah Wasaya	32303-7405811-9	Gujar WalaChak No. 507/ TDAAziz AbadKot Adu.	03002540507	Immediate
28	Muhammad Zafar Iqbal	Nazar Hussain	32303-5785555-9	Gujar WalaChak No. 507/ TDAAziz AbadKot Adu.	03477438913	Immediate
29	Muhammad Afzal	Azhar Abbas	32303-2659689-7	Yousaf WalaChak No. 507/ TDAAziz AbadKot Adu.	03083993310	Immediate
30	Muhammad Ashraf	Nazar Hussain	32303-0795231-7	Yousaf WalaChak No. 507/ TDAAziz AbadKot Adu.	03443699579	Immediate
31	Muhammad Shafee	Qadir Bux	32303-8147766-5	508/TDAChak No. 508/TDAAziz AbadKot Adu.	03456482386	Immediate
32	Muhammad Ashraf	Allah Wasaya	32303-9808690-7	508/TDAChak No. 508/TDAAziz AbadKot Adu.	03082864017	Immediate
33	Khursheed Bibi	Mushtaq Ali	32303-3429469-4	Basti PathanChak No. 508/TDAAziz AbadKot Adu.	03437975176	Immediate
34	Nasim Bibi	Mumtaz Hussain	32303-6725283-0	Basti PathanChak No. 508/TDAAziz AbadKot Adu.	03473037344	Immediate
35	Hameedan Bibi	Zulfaqar Ali	32303-0545013-6	Basti PathanChak No. 508/TDAAziz AbadKot Adu.	03460510416	Immediate
36	Ghulam Arbi	Muhammad Ramzan	32303-8800330-7	Basti SultanChak No. 508/TDAAziz AbadKot Adu.	03477323488	Immediate
37	Hameedan Bibi	Ghulam Fareed	32303-7345542-6	Chak 508Chak No. 508/TDAAziz AbadKot Adu.	03477912418	Immediate
38	Soghran Bibi	Wazir Ahmed	32303-0258626-8	DholChak No. 508/TDAAziz AbadKot Adu.	03024070541	Immediate
39	Muhammad Azam	Muhammad Ramazan	32303-7153309-7	Dhol BastiChak No. 508/TDAAziz AbadKot Adu.	03024070541	Immediate
40	Ghulam Qasim	Allah Wasaya	32303-5427256-1	Faqeer WalaChak No. 508/TDAAziz AbadKot Adu.	03444070541	Immediate
41	Shagufta Parveen	Muhammad Younas	32303-7436745-4	PathanChak No. 508/TDAAziz AbadKot Adu.	03497124663	Immediate
42	Tariq Mehmood	Muhammad Sadiq	32303-0387219-5	Pathan WaliChak No. 508/TDAAziz AbadKot Adu.	03447293547	Immediate
43	Muhammad Nawab	Muhammad Murad	32303-0793275-3	Pathan WaliChak No. 508/TDAAziz AbadKot Adu.	03448492459	Immediate

S#	Volunteer Name	Father Name	Cnic	Address	Contact Number	Time Required to be on-board
44	Shamla Khan	Muhammad Ismail	32303-3935010-5	Pathan/BalochChak No. 508/TDAAziz AbadKot Adu.	03436591934	Immediate
45	Nazir Ahmed	Haji Soba Khan	32303-3005110-9	Sultan Wala Chak No. 508/TDAAziz AbadKot Adu.	03420722186	Immediate
46	Wazeeran BB	Rajab Ali	32303-1928991-0	Balochan WaliChak No. 509Aziz AbadKot Adu.	03437108492	Immediate
47	Sughran BB	Ghulam Nabi	32303-2391305-8	Balochan WaliChak No. 509Aziz AbadKot Adu.	03428019743	Immediate
48	Basheeran BB	Muhammad Khalil	32303-8679611-4	Balochan WaliChak No. 509Aziz AbadKot Adu.	03455554509	Immediate
49	Khursheed BB	Ghulam Qasim	32303-6836602-8	Balochan WaliChak No. 509Aziz AbadKot Adu.	03447080458	Immediate
50	Fatima Mai	Basheer Ahmed	32303-4593721-2	Balochan WaliChak No. 509Aziz AbadKot Adu.	03496397501	Immediate
51	Nazia Perveen	Ghulam Sarwar	32303-5724675-4	Balochan WaliChak No. 509Aziz AbadKot Adu.	03404321878	Immediate
52	Ghulam Abbas	Peer Bakhsh	32303-0548995-7	Balochan WaliChak No. 509Aziz AbadKot Adu.	03443694004	Immediate
53	Muhammad Sidique	Haq Nawaz	32303-2135986-9	Balochan WaliChak No. 509Aziz AbadKot Adu.	03442920651	Immediate
54	Hashim Khan	Ghulam Haider	32303-7372110-9	Balochan WaliChak No. 509Aziz AbadKot Adu.	03463006441	Immediate
55	Muhammad Ramzan	Muhammad Hanif	32303-7641587-7	Balochan WaliChak No. 509Aziz AbadKot Adu.	03455545509	Immediate
56	Nasir Ali	Muhammad Aslam	32303-3446183-9	Balochan WaliChak No. 509Aziz AbadKot Adu.	03448543325	Immediate
57	Muhammad Irfan	Ghulam Hussain	32303-1002602-3	Balochan WaliChak No. 509Aziz AbadKot Adu.	03447676509	Immediate
58	Khalid Masood	Muhammad Sidique	32303-2674966-7	Balochan WaliChak No. 509Aziz AbadKot Adu.	03478102306	Immediate
59	Ikram Bin Moosa	Moosa	32303-6404095-1	Balochan WaliChak No. 509Aziz AbadKot Adu.	03464809057	Immediate
60	Allah Ditch	Muhammad Khan	32303-9573742-7	Chak 510Chak No. 509Aziz AbadKot Adu.	03474891878	Immediate
61	Muhammad Sadiq	Abdul Aziz	32303-6442621-5	Aziz WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03438881380	Immediate
62	Muhammad Khan	Mitho Khan	32303-2833759-9	Chah Ganji WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03443693999	Immediate
63	Muhammad Shoban	Khuda Bux	32303-5822402-9	Chah Ganji WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03464796289	Immediate
64	Ali Muhammad	Naseer Bux	32304-5238717-1	Chah Nawan Naseer WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03484356173	Immediate
65	Mukhtar Ahmed	Allah Ditta	32303-0930538-1	Chah Wasun WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03057445539	Immediate
66	Nasim Mai	Muhammad Hashim	32303-6474013-8	Ganji WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03476797073	Immediate

S#	Volunteer Name	Father Name	Cnic	Address	Contact Number	Time Required to be on-board
67	Jannat Mai	Muhammad Yousaf	32303-6178206-2	Ganji WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	3476797073	Immediate
68	Noor Muhammad	Ghulam Hussain	32303-0801171-9	Kho Ganji WalaPatal Monda Sharqi JanoobiAziz AbadKot Adu.	03443693989	Immediate
69	Ghulam Yasin	Abdul Rehman	32303-0358695-7	Rangho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03472150322	Immediate
70	Nasim Mai	Muhammad Sadiq	32304-4719749-0	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03476224221	Immediate
71	Amina Bibi	Muhammad Farooq	32304-4246317-6	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03474947737	Immediate
72	Allah Wasayai	Alamgir	32303-6381847-4	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03478881380	Immediate
73	Muhammad Jaffar	Ahmed Bux	32303-5778703-1	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03448693177	Immediate
74	Muhammad Azam	Muhammad Ramzan	32303-8779178-9	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03002969521	Immediate
75	Muhammad Farooq	Muhammad Bux	32303-5876874-5	Ranjho Wala Patal Monda Sharqi JanoobiAziz AbadKot Adu.	03467935044	Immediate
76	Munir Ahmed	Yaqoob	32303-0712699-7	Bahadar WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03450165295	Immediate
77	Muhammad Akram	Soharo	32303-4490381-5	Basti ChandiaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03468461073	Immediate
78	Farooq Ahmed	Muhammad Sharif	32303-1702240-1	Basti ChandiaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03437205588	Immediate
79	Khursheed Bibi	Ghulam Shabbir	32303-7849008-2	Basti Khuda BuxPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03476270593	Immediate
80	Razia Mai	Ghulam Yasin	32304-6873791-8	Bhattian WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03036675012	Immediate
81	Muhammad Shahid	Imam Bux	36102-8835067-1	Bhattian WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03036675012	Immediate
82	Fazlan Bibi	Muhammad Arif	32303-0696963-2	GharlanwalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03466500599	Immediate
83	Muhammad Aslam	Ghulam Fareed	32303-0592783-3	GharlanwalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03436428701	Immediate
84	Miran Bibi	Muhammad Afzal	32303-0701714-8	Ghulam Muhammad WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03467064869	Immediate
85	Munir Ahmed	Ghulam Muhammad	32303-6876147-3	Ghulam Muhammad WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03432749483	Immediate
86	Pahthani Mai	Missari Khan	32303-6624556-4	Missari WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03466449188	Immediate
87	Asghar Ali	Allah Ditta	32303-0721282-9	Missari WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03467886651	Immediate
88	Imran Khan	Missari Khan	32304-6746531-5	Missari WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03466449188	Immediate
89	Rustam Ali	Shamla Khan	32303-7691060-7	Noor WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03496239025	Immediate

S#	Volunteer Name	Father Name	Cnic	Address	Contact Number	Time Required to be on-board
90	Saifal Khan	Noor Khan	32303-0801601-1	Saifal WalaPatal Munda Sharqi ShumaliAziz AbadKot Adu.	03446571399	Immediate

ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	PARTY	Name of constituency	Name of Sitting Parliamentarian	Portfolio	PARTY
NA-179	SHABBIR ALI QURESHI		IND	PP-276	RANA AURENGZAIB		IND
NA-180	FIAZ HUSSAIN		IND	PP-277	NADIA KHAR		IND
				PP-278	M.AHSAN ALI QURESHI		IND

LOCAL GOVERNMENT**District and Tehsil Level**

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	District	Kot Addu			
2	District				
3	Tehsil	Chowk Sarwar Shaheed	Abdul Hameed Azad	03336004101	03336004101
4	UC Zulifqar Abad		Muhammad Abid Ali	03336001141	03336001141
5	Wandar No.24		Mumtaz Ahmad Khan	03452211511	03452211511
6	Sadiq Abad No.25		Muhammad Akram	03336003720	03336003720
7	Chak No.567/TDa		Imran Shahzad	03427308745	03427308745
8	Chak No.518/TDA No.29		Muhammad Hashim	03336009177	03336009177
9	Mir Pur Bhagal No.30		Abid Javed	03336004875	03336004875
10	Riaz Abad No.31		Azhar Abbas	03007401242	03007401242
11	Chak No.632/TDA No.32		Muhammad Zafrullah	03017859253	03017859253
12	Aziz Abad No.33		Ghulam Yasin	03467218788	03467218788

		District/Tehsil Name	Name	Contact Number	Mobile Number
1	Tehsil	Kot Addu	Abdul Hameed Azad	03336004101	03336004101
2	Ehsan Pur No.1		Azhar Abbas		
3	Hinjrai No.2		Ghulam Mustafa	03457171754	03457171754
4	Tibba No.3		Ghulam Mustafa	03457171754	03457171754
5	Bait Qaim Wala No.4		Abdul Ghafoor Khan	03336008172	03336008172
6	Pattal No.5		Muhammad Jameel	03336009333	03336009333
7	Chudhary No.6		Muhammad Jameel	03336009333	03336009333
8	Darigh No.7		Muhammad Abid Ali	03336001141	03336001141
9	Pirhar No.8		Asif Imran	03016988029	03016988029
10	Sheikh Umar No.9		Ghulam Yasin	03467218788	03467218788
11	Dogar Kalasra No.10		Azhar Abbas	03451616723	03451616723
12	Patti Daya Chokha No.11	Kot Addu	Bin Yamin	03400702435	03400702435
13	Patti Ghulam Ali No.12		Asif Imran	03016988029	03016988029
14	Kashif Abad No.13		Ghulam Farid	03467113882	03467113882

	District/Tehsil Name	Name	Contact Number	Mobile Number
15	Gurmani Sharqi No.14	Mumtaz Ahmad Khan	03455112211	03455112211
16	Thatha Gurmai Sharqi No.15	Azhar Abbas	03451616723	03451616723
17	Dabi ShahNo.16	Naseer ud Din	03017409564	03017409564
18	Alurid No1.7	Muhammad Akram	03336003720	03336003720
19	Mehmood Kot No.18	Naseer ud Din	03017409564	03017409564
20	Gujrat No.19	Muhammad Saleem Akhtar	03336037446	03336037446
21	Dauna No.20	Ghulam Sarwar	03457172670	03457172670
22	Ghazi Ghat No.21	Muhammad Saleem Akhtar	03336037446	03336037446
23	Budh No.22	Ghulam Qasim	03447997723	03447997723
24	Shadi Khan Munda No.27	Imran Shahzad	03427308745	03427308745
25	Noor Shah No.28	Ghulam Farid	03418009075	03418009075

Town Level

S#	Tehsil	UC	Chair	Chair Contact	Vice Chair	VC Contact
1	Kot Addu	Ehsan Pur No.1	Malik Qadir Bakhsh Hinjra	03466442105	Muhammad Ismail Chishti	03447116099
2		Hinjrai No.2	Malik Javed Akhtar Hinjra	03006861964	Munir Ahmad Mashori	03477320542
3		Tibba No.3	Malik Ghulam Qasim Hinjra	03455552222	Malik Ehsan Ullah Hinjra	03403341122
4		Bait Qaim Wala No.4	Maqsood Ahmad Khan Chandia	03457367786	Ghulam Qasim Khan Rind	03457298517
5		Pattal No.5	Malik Tahir Mehmood Pattal	03346662112	Malik Ghulam Yasin Rid	03400739009
6		Chudhary No.6	Rafiq Ahmad Nutkani	03336002283	Syed Abrar Hussain Shah	03336019748
7		Darigh No.7	Mian Zulifqar Ali Qureshi	03006833933	Malik Allah Bachaya Darigh	03476440608
8		Pirhar No.8	Rai Farooq Ahmad	03336008624	Ashiq Hussain Khan	03401725154
9		Sheikh Umar No.9	Syed Khalil ur Rehman	03336004240	Ghulam Abbas Gurmani	03448550658
10		Dogar Kalasra No.10	Malik Tahir Meladi Khar	03456005488	Mehboob Ahmad Mashori	03457007433
11		Patti Daya Chokha No.11	Malik Haseeb Ahmad Khakh	03451204311	Mian Riaz Ahmad	03476806012
12		Patti Ghulam Ali No.12	Malik Sana ullah Sanawan	0348403674	Muhammad Ibrahim Tanwri	03457178561
13		Kashif Abad No.13	Qazi Muhammad Khalid Naeem	03452168252	Muhammad Saeed	03457253886
14		Gurmani Sharqi No.14	Rao Atta ullah	03007488263	Safdar Abbas Juglani	03006845005
15		Thatha Gurmani Sharqi No.15	Khalil ur Rehman Khan	03456952222	Malik Altaf Hussain Khar	03217361433
16		Dabi Shah No.16	Muhammad Iqbal Chajra	03217486004	Chudhary Tahir Mehmood	03006075782
17		Alurid No.17	Malik Muhammad Khalid Khar	03007377486	Malik Zahoor Ahmad Hans	03425789428
18		Mehmood Kot No.18	Rana Amjad Mehmood	03007377486	Jam Muhammad Ashraf	03457136776

S#	Tehsil	UC	Chair	Chair Contact	Vice Chair	VC Contact
19		Gujrat No.19	Syed Ghulam Shabbir Shah	034621311015	Mahar Ejaz Hussain Gat	03006864640
20		Dona No.20	Malik Liaqat Hussain Dona	03006860224	Malik Mushtaq Ahmad Sandela	03086506129
21		Ghazi Ghat No.21	Muhammad Sharif Pathan	03336019942	Muhammad Abid Hussain	03336021619
22		Budh No.22	Rana Akhtar Hussain Noon	03336054166	Muhammad Naeem Bhutta	03457141454
23		Shadi Khan Munda No.27	Mahar Ashiq Hussain Kalasra	03428829252	Malik Abdul Majeed Awan	03476440148
24		Noor Shah No.28	Javed Iqbal Khan	03456032222	Azeem Bakhsh	03457158170
25	Chowk Sarwar Shaheed	Zulifqar Abad No.23	Malik Nazeer Ahmad khakh	03007374251	Chudhary Zulifqar Ali	03017703131
26		Wandar No.24	Malik Mureed Hussain Malana	03017428595	Chudhary Zia ul Hassan	03457171851
27		Sadiq Abad No.25	Muhammad Zia ul Haq Khan	03017547246	Muhammad Zulqarnain Haider	03008710380
28		Chak No.567/Tda No.26	Munir Ahmad Barvi	03006869811	Muhammad Yamin	03008765966
29		Chak No.518/TDA No.29	Malik Muhammad Hafeez Khajar	03455400044	Chudhary Shoukat Ali	03459999518
30		Mir Pur Bhagal No.30	Ghulam Shabbir Malana	03017511322	Manzoor Hussain	03456033694
31		Riaz Abad No.31	Chudhary waris Ali Jat	03017569518	Muhammad Younas Qalandri	03017842637
32		Chak No.632/TDA No.32	Rasheed Ahmad Sohia	03015996332	Mushtaq Ahmad	03002072806
33		Aziz Abad No.33	Amjad Parvaiz Khan	03455022507	Muhammad Nasrullah Bodla	03451655505

ANNEX XI: DATA COLLECTION PROFORMAS

P1: House Damage Assessment

District: _____

Date: _____

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

P2: Deceased Person Reporting Proforma

District: _____

Date: _____

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

P3: Injurd Person Reposrting Proforma

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Focal Person: _____

Date: _____

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

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

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

ANNEX XIII: FLOOD BUNDS

INFORMATION REGARDING FLOOD BUND CATEGORY A

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

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

INFORMATION REGARDING FLOOD BUND CATEGORY B

S#	Name of Division	Name of Embankment / Bund	Length (ft.)
SARGODHA ZONE			
1	Rasul Headworks Division	Important / Vulnerable Reaches	10,000
2	Bhakkar Division	-do-	10,000
3	Layyah Division	-do-	10,000
4	Jhelum Division	-do-	5,000
Total in feet.			35,000
Total in miles			6.63
FAISALABAD ZONE			
1	Khani Division	-do-	20,000
2	Jhang Division	-do-	50,000
3	Qadirabad Barrage Division	-do-	60,000
4	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

DDMA(KOT ADDU)			DDMP 2025
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	. 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	Flood Bund Division Narowal	-do-	40,000
2	Pasrur Link Division Sialkot	-do-	10,000
3	Chakbandi Division	-do-	20,000
4	Marala Division UCC	-do-	50,000
5	Lahore Drainage Division	-do-	80,000
6	Kasur Division	-do-	80,000
7	Gujranwala UCC	-do-	100,000
8	Rachna Drainage	-do-	42,000
	Total in feet.		422,000
	Total in miles		79.92
<u>PMO BARRAGES</u>			
1	Jinnah Barrage	-do-	20,000
	Total in feet.		20,000
	Total in miles		3.79
	Grand Total (in miles)		350.76

ANNEX XIV: RIVER DISCHARGE RATES

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

ANNEX XV: LIST OF BASIC TERMS

Acceptable risk

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

Biological hazard

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

Capacity

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

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

Capacity building

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

Climate change

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

Coping capacity

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

Disaster

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

Disaster risk management (DRM)

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

Disaster risk reduction/disaster reduction

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

Early warning

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

Emergency management

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

Forecast

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

Geological hazard

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