



**OFFICE OF THE
DEPUTY COMMISSIONER
VEHARI**

No. 400 INTD

Dated: 03/02/2022.

To

The Assistant Director (F&P)
Punjab Disaster Management Authority,
Board of Revenue, Punjab,
Lahore.

**Subject: SUBMISSION OF DISTRICT DISASTER MANAGEMENT PLAN
(DDMP)-2022.**

Reference letter No.DIR(OPS)-2022/142 dated 03.02.2022 on the subject
cited above.

2. Please find enclosed herewith the requisite District Disaster Management
Plan of District Vehari for the year 2022 as desired please.


Deputy Commissioner/
Chairman DDMA
Vehari.

CC

1. The Commissioner, Multan Division, Multan.
2. The Director General, PDMA, Punjab, Lahore.
3. The Additional Deputy Commissioner (Revenue), Vehari
4. The District Emergency Officer, Vehari.

DISTRICT DISASTER MANAGEMENT PLAN 2022

Division: Multan

District: Vehari



Prepared by: District Emergency Officer/Sec. DDMA, Vehari

Approved by: Deputy Commissioner/Chairman DDMA, Vehari



DDMA VEHARI

TABLE OF CONTENTS

Executive Summary.....	3
Aim and Objectives.....	4
District Profile.....	4
District Emergency Operation Centre (DEOC)/Control Room.....	9
Coordination Mechanism.....	10
Risk Analysis.....	21
Mitigation Strategy.....	24
Early Warning.....	26
Rescue Strategy.....	266
Humanitarian Assistance.....	27
Annex I: Identified sites for displaced persons.....	28
Annex II: List of hazard prone villages/ Revenue Estate (NAMES REquired).....	29
Annex III: List of Health Facilities and their vulnerability to Hazards.....	31
Annex IV: List of vulnerable Educational institutions.....	32
Annex V: List of Industries with their risk level.....	33
Annex VI: List of NGO working in the District.....	34
Annex VII: Contact list of main stakeholders / departments.....	36
Annex VIII: List of volunteers.....	38
Annex IX: Political Constituencies.....	39
Annex X: Local Government.....	39
Annex XI: Data Collection Performas.....	40
Annex XII: Camp Management SOPs.....	42
Annex XIII: Flood Bunds.....	43
Annex XIV: River Discharge Rates.....	46
Annex XV: List of Basic Terms.....	47

Flood

Estimated number of people at risk of **Flood** in 2022

2 out of 5
of total population

Risk: Low

Earthquake

Estimated number of people at risk of Earthquake in 2022

1 out of 5
of total population

Risk: Low

Epidemic

Estimated number of people at risk of Epidemic in 2022

1 out of 5
of total population

Risk: Low

EXECUTIVE SUMMARY

Flood discharge takes 5-7 days from Bhakara Dam, India to Head Islam

Close liaison with Notables / Lambardars of likely flood areas

Mandatory evacuation

Rescue & Relief centres shall be established & made operational at a notice of 12 hours

Resources / Equipments shall be conveyed to relief centres & flood areas at the notice of 05 hours as already done in Mock exercise

Duty roster of staff of each allied department

Sufficient funds are available to combat any untoward situation

Sufficient stock of food items, medicines & dry fodder is available

Mobile teams of health / livestock.

Vaccination of 100% livestock in flood area

More than 25 Private boats are available & owners are in contact for the same if needed

Visit of the flood area carried out by all concerned departments / officers

Heavy machinery like bulldozers, tractor trolleys, water tanks,

Bouzers etc. are available with agriculture department, TMAs & local private owners

In case of need, Army will be requested for evac.

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	2897446 (census 2017) Urban Population = 17.5% Rural Population = 82.5%
2.	No. of Tehsils	3
3.	No. of UCs	105
4.	No. of Revenue Circles	24
5.	Patwar Circles	242
6.	Total Lumberdaars	1106
7.	Population Density (people per km ²)	64
8.	Family Size	6
9.	Pop Growth Rate	3
10.	Total No. Of Villages	779
11.	Municipal Units	06
12.	Male/Female Ratio	50.5/49.5
13.	Poverty Rate	15
14.	Patient/Doctor Ratio	67
15.	Literacy Rate	54
16.	Police Stations	19

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
2897446	924362	424361	524359	958701	65663

Source/Note: (Census Report 2017).

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks & Mortar)
458068	377144	80924

Source/Note: Census Report 2017.

Geographical Area (4364 KM²)

Total Area of District in Acres	Area under cultivation In Acres	Cultivation in Settled Area	Cultivation in Bait Area
1081622	972420		

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
54%	63%	36%	83%	68%	66%	42%

Source/Note: Census Report 2017

Government Schools

		Schools	Enrollment
Total/ Overall		1508	315389
Boys	Primary	549	109813
	Middle	108	31771
	High	85	21157
Girls	Primary	501	112108
	Middle	173	25330
	High	85	15210
Co-Education	Primary	53	3180
	Middle	0	0
	High	0	0
Special Education		2	235

Private Schools

		Schools	Enrollment
Total/ Overall		929	12000
Boys	Primary	11	1100
	Middle	527	31620
	High	133	7980
Girls	Primary	3	400
	Middle	127	550
	High	128	3840
Co-Education	Primary	8	240
	Middle	0	0
	High	3	240
Special Education		0	0

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	14	5	2	2	3	18
No of Students	10500	4561	700	426	1300	17487

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	74	14	3	114	205
Annual OPDs	24840	35640	912820	18000	991300
No of beds	148	180	290	228	846
Doctors Available	60	28	85	0	173
Paramedical staff	314	350	82	0	746
Ambulances available	0	14	8	0	22
Mobile Medical Units					

Livestock: Small Animals (goats, sheep etc.): 657303 Big Animals (cows, buffalos, camel etc.) 1264850

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
40%	20%	10%	2%	5%	1%	1%	0%	0%	0%	0%

Disaster History - Floods (since 2000)

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	2013	1993	0	0	0	0	0	0
2	2014	0	0	0	0	0	0	0
3	2015	154	0	0	0	0	0	0
4	2016	0	0	0	0	0	0	0
5	2017	0	0	0	0	0	0	0
6	2018	0	0	0	0	0	0	0
7	2019	1715	0	2	0	0	0	0
8	2020	0	0	0	0	0	0	0
9	2021	0	0	0	0	0	0	0

Disaster History – Other disasters (since 2000)

S#	Year	Disaster Type	No. of people affected	No. of deaths	Remarks
1	--	--	--	--	--

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Khanewal, Lodhran, Pakpattan, Sahiwal, Bahawalnagar
Topographical Features	Plain fields
Weather/Climature pattern	
Major Rivers	Satluj
Major Nullahs / Streams	Sukhbiyas
Motorway/Highway	Main Multan-Dehli Road
Railways	Yes

Dams (including small dams)

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

Major Embankments/Bunds

Name of Embankment	Length (km)	Starting Point (Revenue Estate /Tehsil Name)	Ending Point (Revenue Estate /Tehsil Name)	Name of Critical/ vulnerable Points	GPS Location of Critical/ Vulnerable Points	Remarks
Lakhokakalan	5	Jamlera Burewala	Burewala		X: Y:	
Head Islam	12	Head Islam	Head Islam		X: Y:	

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		
Lakha Pala Bund	Lakha Pala Bund	X:29.82659 Y: 72.55235					
		X: Y:					

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Oil Depot PSO		X:30.04423 Y: 72.34621	Grid Station Mailsi		X:29.81362 Y: 72.15742
Grid Station Vehari City		X: 30.05360 Y: 72.36944	Oil Depot Shell		X: 30.04480 Y: 72.34791
Grid Station 24WB		X: 30.07751 Y: 72.32533	Grid Station, Burewala		X:30.16727 Y: 72.69006

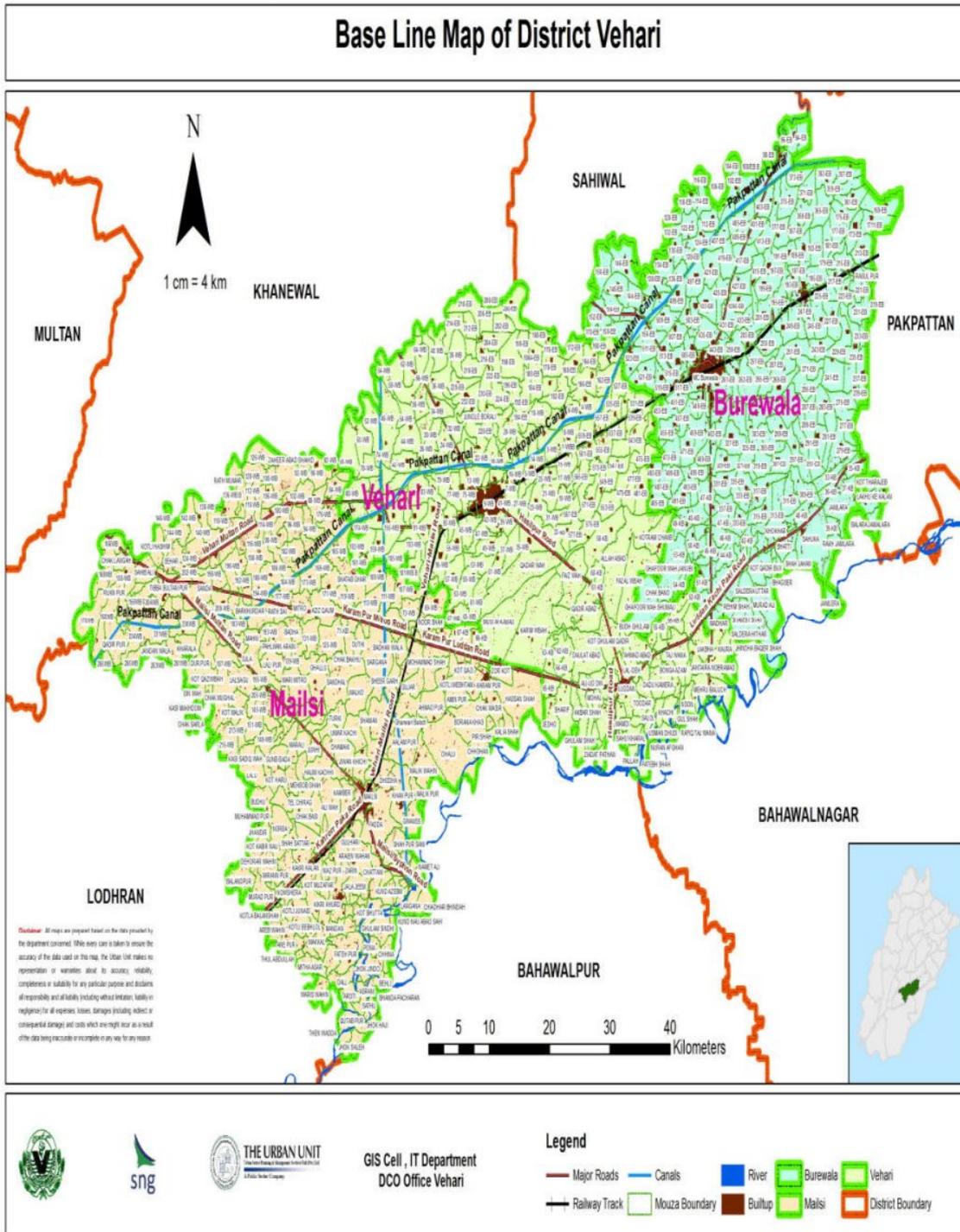
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
Air Base	Thingy Air Base	X:30.08459 Y: 72.15803			X: Y:

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
PR Vehari	22,000		BS-Vehari	16,000	
M/Wala	10,000		AG-Hussain	10,000	
Ludden	10,185		Kachi Pakki	10,000	
Mian Pakhi	8,000		Pipli	11,000	
Pull-48	8,000		481/EB Burewala	10,000	
Mustafabad	8,000		65/WB Vehari	5,000	

District Baseline/Reference Map



Source:

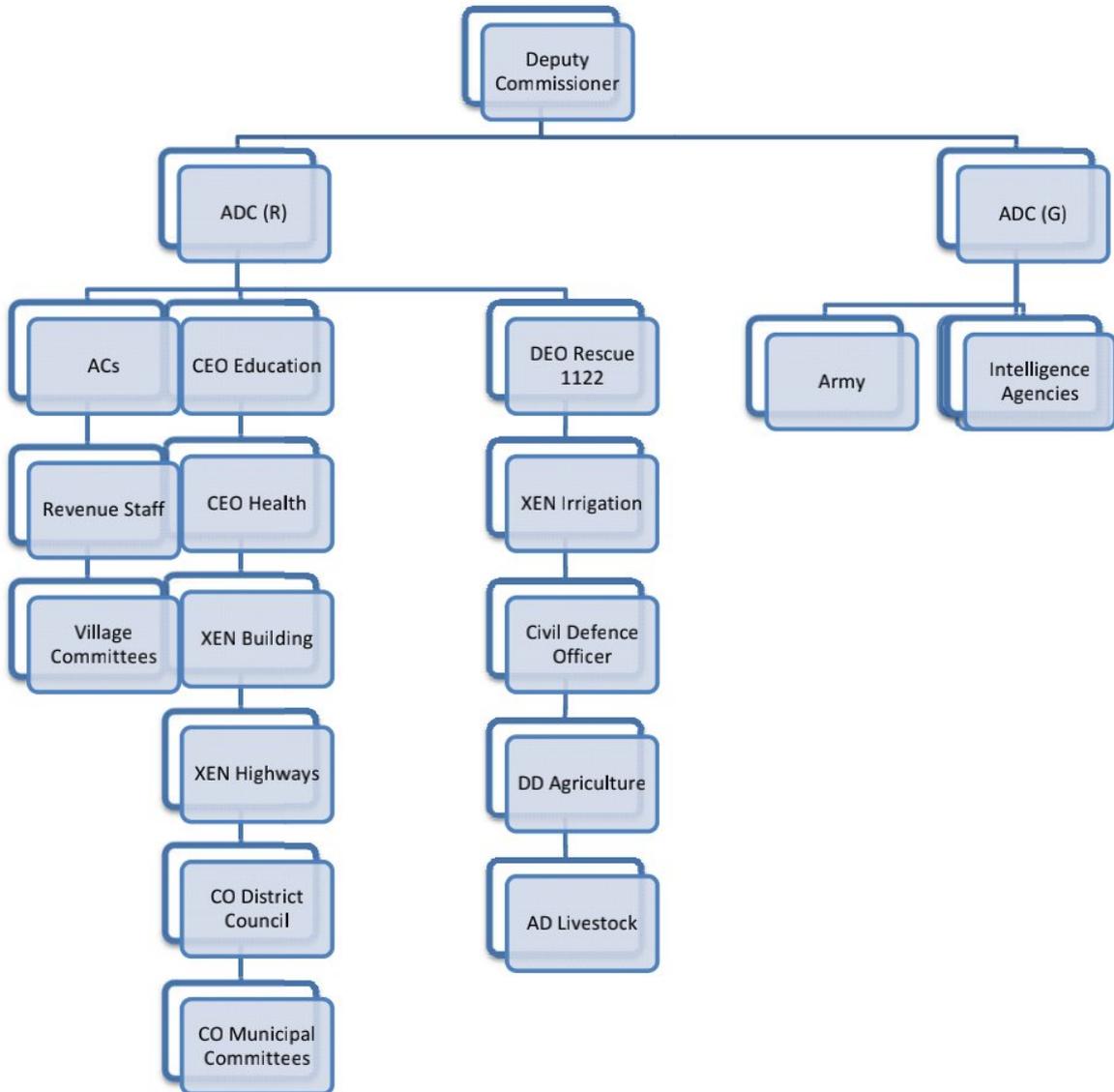
DISTRICT EMERGENCY OPERATION CENTRE (DEOC)

- The District Emergency Operation Centre (DEOC) has been established in the Deputy Commissioner Complex which shall remain operational 24/7 round the clock with dedicated staff and landline number 067-3365508.
- Mr. Khurram Saleem SNA, Vehari has been nominated as Focal Person to coordinate with all concerned,
- Additional Deputy Commissioner (Rev) will be the overall incharge of DEOC.
- All disaster related activities shall be coordinated/ monitored through DEOC.
- Duty roster will be issued by the ADC-R/DEOC Incharge.
- The officials deputed for duty shall be given training by the SNA and DEO (Rescue 1122) about their role and duties.
- The officers/officials on duty at DEOC shall receive/register information regarding disaster and ensure smooth flow of information through print/electronic media to the concerned departments and District Authorities as per SOPs of the operational manual of DEOC.
- The foregoing arrangements shall also be made on the similar pattern at offices of the Assistant Commissioners officers.
- During monsoon season, (in normal situation) Information regarding discharge position of River Sutluj and all canals in the District shall be received twice a day, in case of any potential threat or emergency, frequency of information shall be increased.
- During Monsoon season, the following departments shall also establish their Departmental Flood Control Rooms on the similar pattern.
 - District Council
 - Municipal Committees Vehari, Maisi, Burewala
 - District Police
 - Civil Defence
 - Rescue 1122
 - Irrigation XEN (s)



COORDINATION MECHANISM

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



DDMA (composition, functions and responsibility)

DDMA Comprising of the following:

Deputy Commissioner - Chairman

DEO Rescue 1122 - Secretary

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

Functions and Responsibilities.

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

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

The Following would be the Mechanism:

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

Civil-Military Coordination Mechanism.

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

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 Disaster Management Authority:

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

- a) give directions for the release and use of resources available with any department of the Government and the local authority in the district;
- b) control and restrict vehicular traffic to, from and within, the vulnerable or affected areas;
- c) control and restrict entry of any person into, his movement within and departure from, a vulnerable or affected area;
- d) remove debris, conduct search and carry out rescue operations;
- e) provide shelter, food, drinking water and essential provisions, healthcare and services;
- f) establish emergency communication system in the affected area;
- g) make arrangements for the disposal of the unclaimed dead bodies;

- h) direct any department of the Government of the Province or any authority or body under the Government at the district level to take such measures as are necessary in its opinion;
- i) require experts and consultants in the relevant fields to advise and assist as it may deem necessary;
- j) procure exclusive preferential use of amenities from any authority or person;
- k) construct temporary bridges or other necessary structures and demolish structures which may be hazardous to public or aggravate the effects of the disaster;
- l) ensure that the non-governmental organizations carry out their activities in an equitable and non-discriminatory manner; and
- m) take such other steps as may be required or warranted to be taken in such a situation.

Revenue Department (Functions and Responsibilities)

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

- Taking everyone on board is perhaps the most important thing to do. Regular meetings of DDMA should be held to clearly highlight the roles and duties of DPOs, EDOs, XENs etc.
- Pre-flood meeting should be held and duties of all concerned officers and departments should be clearly defined and assigned.
- A district disaster management plan should be prepared using the set template and updated regarding any disaster or emergency that may strike the district.
- A focal person for the disaster or calamity should be nominated and his/her number should be communicated to all concerned departments.
- Proper stock taking should be done regarding available stocks of food and rations. Similarly, stock regarding machinery and equipment should also be taken and inventories should be prepared. Out of order machinery should be repaired or replaced.
- Committees should be formed and constituted which will deal with various functions during a flood or emergency. Purchasing of food items, food, and machinery should all be done through committees.
- Identification of Low lying, medium and high vulnerability levels with flood level
- In case of evacuation the district administration should be very clear about the places where the relief camps or shelters will be established. Teams should be formulated which will look after these camps and will be in-charge for provision of tents, food, water and maintaining general law and order. Provision of cooked food is also to be ensured.
- Proper ware houses and stores should be made available for storing of aid and donated items that may be received from authorities such as PDMA, WFP etc. A committee should be constituted to look after the record of all the items in the store.
- Proper crop surveys or girdawaris should be conducted through the revenue officials so that crop damage assessment can be made after disaster or flood affects the district. These surveys will also help in determining the identity of the true owners as well.
- Post damage assessment should be carried out by joint teams constituted of patwaris, teachers, and agriculture field assistants. Technology should be involved and android sets should be used to gather accurate data.
- Round the clock active control rooms should be set up and the numbers be circulated to all concerned. The control rooms should be equipped with wireless, telephones and computers. All info gathered or received should be conveyed to the concerned. The control room should have representatives of concerned departments such as police, health, 1122, and revenue.
- Early warning is critical in saving lives. The local revenue officials along with local police should be deployed to warn the people against the oncoming disaster and to urge them to vacate the disaster prone areas and villages. Loudspeakers, mosque speakers and word of mouth should be used. Banners and posters can also be used.
- Data collection is of prime importance and the senior network administrator should be declared as the focal person for collection of relevant information such as number of casualties, damages to infrastructure, injured, perished livestock etc. for onward submission to PDMA etc.
- Mock exercises should be carried out along with all concerned departments specially 1122, Police, civil defence and Pakistan army regarding the action plan during any emergency or flood. This will give a fair idea about the preparedness of the district.
- Availability of vehicles should be ensured for use during any emergency especially off road vehicles like jeeps.
- Suitable locations should be identified for accommodating armed forces like the Pakistan army. Normally schools, colleges or stadiums are allocated for the armed forces

Checklist for Revenue Department:

- Survey of entire District (Preparation of Village level information by Patwari)
- Identification of Low lying, medium and high: vulnerability levels with flood level
- Liaison of Patwari with Numberdars of their respective villages

- Contacts of all revenue staff posted near river belts and their output in 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

Tehsil / Town Municipal Administration (TMA)/District Council/Municipal Committees

- Tehsil / Town Municipal Administration (TMA) 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.
- Tehsil / Town Municipal Administration TMA will provide assistance to the District Government for setting up and management of relief camps/ operations.
- TMAs are responsible for provision & restoration of water and sanitation facilities in their municipalities besides disposal of waste or rain water/sewerage.
- TMAs 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.
- TMAs sanitary workers can be employed for cleaning relief camps, or other such areas which has been affected by any disaster.
- TMAs employ de-watering sets to remove excess water. All TMAs are required to ensure the maintenance of all dewatering sets prior to the monsoon season. The TMA maintains a list of all the choking points where rainy water accumulates as a result of heavy storms which can cause urban flooding.
- TMA 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 TMA under the concerned Administrator i.e ADC/AC will assist in the migration of the affected people.
- During the relief effort and subsequent rehabilitation effort the, the local TMAs 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 DCO. The office of the DCO 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 her tehsil. All disaster related activities in a said tehsil will be coordinated through the concerned ACs and the TMAs.
- 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 (R)
- iv. Additional Deputy Commissioner (G)
- v. Two Elected Representatives to be nominated by the Chair
- vi. Representative of Pak Army
- vii. Two Representatives of NGOs/Civil Society to be nominated by the Chair
- viii. Addl. Deputy Commissioner (F&P)
- ix. Executive District Officer (Works & Services)
- x. Chief Executive Officer (Health)
- xi. Chief Executive Officer (Education)
- xii. Executive District Officer (C&D)
- xiii. SP Special Branch
- xiv. XEN Irrigation / Public Health
- xv. District officer Civil Defense
- xvi. Administrators of Tehsil Municipal Administrations/Municipal Committees
- xvii. All Tehsil Municipal Officers/COs 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 Government

- District Governments must establish a Disaster / Flood control room at the DC's office, the numbers of which will be circulated to all concerned. The Disaster / Flood Control Room has to maintain updated information regarding the threat of disaster and statistics post disaster. The center will maintain a regular communication with the Flood Forecasting Division or the dam authorities up stream in case of a flood.
- The District Government would immediately mobilize the equipment needed to tackle the challenges created by a disaster. The District Governments will provide a comprehensive list of flood fighting equipment to PDMA as part of their flood contingency plans.
- Executive District Officer (Health) will ensure the availability of adequate medicines for treatment of common issues, particularly for snake and dog bite cases and general vaccines at each relief camp.
- EDO (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)

The Control Room will be established at Phone No.067-3365508. The official will perform their duties round the clock. Any information in situation of any kind of emergency will be communicated to all concerned department. The duty official will be monitored by Superintendent.

Checklist for Control Room/DEOC:

- 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 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 District Health Authority

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.

Volunteer Network

100 Volunteers have been trained by the Civil Defense and Rescue 1122. These Volunteers will be deployed on need base system during flood. Furthermore, 03 Nos. Volunteers will perform duty along with officials of Civil Defense at Each Flood Relief camp. (12 camps)

LOCUST CONTROL PLAN

The locust swarm for the first time in the recent past was appeared on 05.11.2019 in district Vehari. It was followed by several small and large swarms in next 6 months. The last locust swarm in district Vehari was reported in the last week of May 2020. Currently, no locust appearance has been reported in any part of the district Vehari. However in order to prevent any unwanted situation the following plan is being followed for locust management.

Sr.	Activities	Task Assigned	Action By/Remarks
1	District Locust Monitoring Committee	Supervision / Monitoring at District level.	DC (Convener) DDA (Ext) Member/Sec ADLS (Member) SDO forest (Member) AD (PW&QC) (Member)
2	Tehsil level Locust Committee	Supervision of all locust related activities at tehsil level	AC (Convener) ADA (Ext) Member Agri.Officer (PP) (Member)
3	Markaz level Locust Surveillance/	Keep Close eye on locust appearance and movement	Agri. Officer (Ext) Convener All Field Assistants (Member) Concerned Patwari (Member)
4	Markaz level Locust Combat teams	Conduct Combat operations in areas identified by locust surveillance teams	1. Agri. Officer (Ext) Convener 2.All Field Assistants (Member) 3. Representative of the Revenue Department (Member) 4. All Baildars in concerned markaz (Member)
5	Awareness campaign for farmers	Corner meetings, Print and Electronic Media, One page Literature on Locust Awareness Campaign.	Deputy Directors Agriculture (Ext), ADAs PP, ADAs (Ext), AOs (Ext), AOs (PP)
6	Nomination of the Focal Persons at District & Tehsil Level	Coordination among all stake holders and timely communication of Information to all stakeholders	Notified 1. District Level: Usman Nazir Agriculture Officer (Tech.) O/O DDA (Ext.) Vehari 067-9201185 2. Tehsil Vehari: Qamar Mehmood ADA(Ext. Vehari 067-3364051 3. Tehsil Burewala: AltafHussain Assistant Director Agriculture (Ext.) 067-9200127 4. Tehsil Mailsi: Talib Hussain Assistant Director Agriculture (Ext.) Mailsi 067-3411774
7	Establishment of Locust Control Rooms at District & Tehsil Level	Ensure Timely Response in case of any locust appearance in the District	Established 1. District Level : Office of the Deputy Director Agriculture (Ext.) Vehari 067-9201185 2. Tehsil Vehari: Office of the Assistant Director Agriculture (Ext.) Vehari 067-3364051

			<p>3. Tehsil Burewala: Office of the Assistant Director Agriculture (Ext.) Burewala 067-9200127</p> <p>4. Tehsil Mailsi: Office of the Assistant Director Agriculture (Ext.) Mailsi 067-3411774</p>
8	Liaison with Stakeholders.	Information sharing via WhatsApp, Email etc	All stake holders

➤ Methodology

- District Level Committee will overall monitor all the Locust related activities in the District
- Tehsil Level Committees will monitor and supervise all the activities in their respective Tehsil. They will be responsible for proper surveillance of locust and combat action in case of any appearance through markaz level committees.
- For Smooth Working the District is divided into 17 markaz and one surveillance as well as the combat teams are established at each markaz.
- Tehsil Vehari (6 Markaz)
- Tehsil Burewala (6 Markaz)
- Tehsil Mailsi (5 Markaz)

➤ Surveillance of Locust

- If locust appearance not reported in district:
The teams of the Pest Warning and Quality Control Wing of the Agriculture Department conduct random surveillance and keep eye on any locust entrance in the district.
- If locust appeared in any area
In case of locust appearance the markaz level locust surveillance team will follow the movement of the locust by keeping close liaison with the combat team and ensure timely information of locust settlement in any area to combat team for effective action.

➤ Major SOPs for Surveillance Teams in case of locust appearance

- In case of any locust appearance the team leader will immediately convey information to Tehsil and District Focal Persons and also coordinate with locust combat team for appropriate action.
- To record proper geo coordinates of location where locust appear and share with PDMA by using locust survey app.
- To submit a report of surveillance to Tehsil Focal Person on daily basis.
- Visit all the locust reported areas on regular basis and check for any egg laying or nymph appearance.

➤ Major SOPs for Combat Teams in case of locust appearance

- To conduct the combat operations in sites identified by the surveillance teams under supervision of Tehsil committee
- To take pictures (close up of locust for its life stage determination) and make video of combat operation
- To record proper geo coordinates of location where locust appear and share with PDMA by using locust survey app.
- To prepare press release of surveillance and combat activities and share with local media (Press and Electronic)
- To intimate the farmer and land owners to be at combat sites during operation

- To make necessary announcements in the mosques for adaptation of safety measures and not to use sprayed stuff for at least 7 days

➤ Roles and Responsibilities of Allied Departments

- Rescue 1122: To provide emergency first aid and related facilities in case of any mishap during combat operations.
- Live Stock: To create awareness among farming community about fodder storage in case of any adverse condition and provision of human resource to surveillance and combat teams in case of any sever attack
- Civil Defense: To motivate the local community through volunteers to coordinate with authorities during all field activities
- Local Government: To provide surveillance teams through active involvement of Lumberdars and secretary union councils
- Forest Dept: To provide necessary men power in case of sever attack
- Education Dept: To create awareness among local community through training of students

➤ Available Resources to Cope Locust

Sr. No	Name of Resource	Available Quantity
1	Surveillance Vehicle	04 Hilux single cabin 13 Bolan 04 Jeeps
2	Knap Sack Power Sprayers	33
3	Plunger Sprayers	14
4	Tractor Mounted Sprayer	01

RISK ANALYSIS

1. Potential hazards of the district

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

Risk = Impact x Likelihood

Low : 1-7

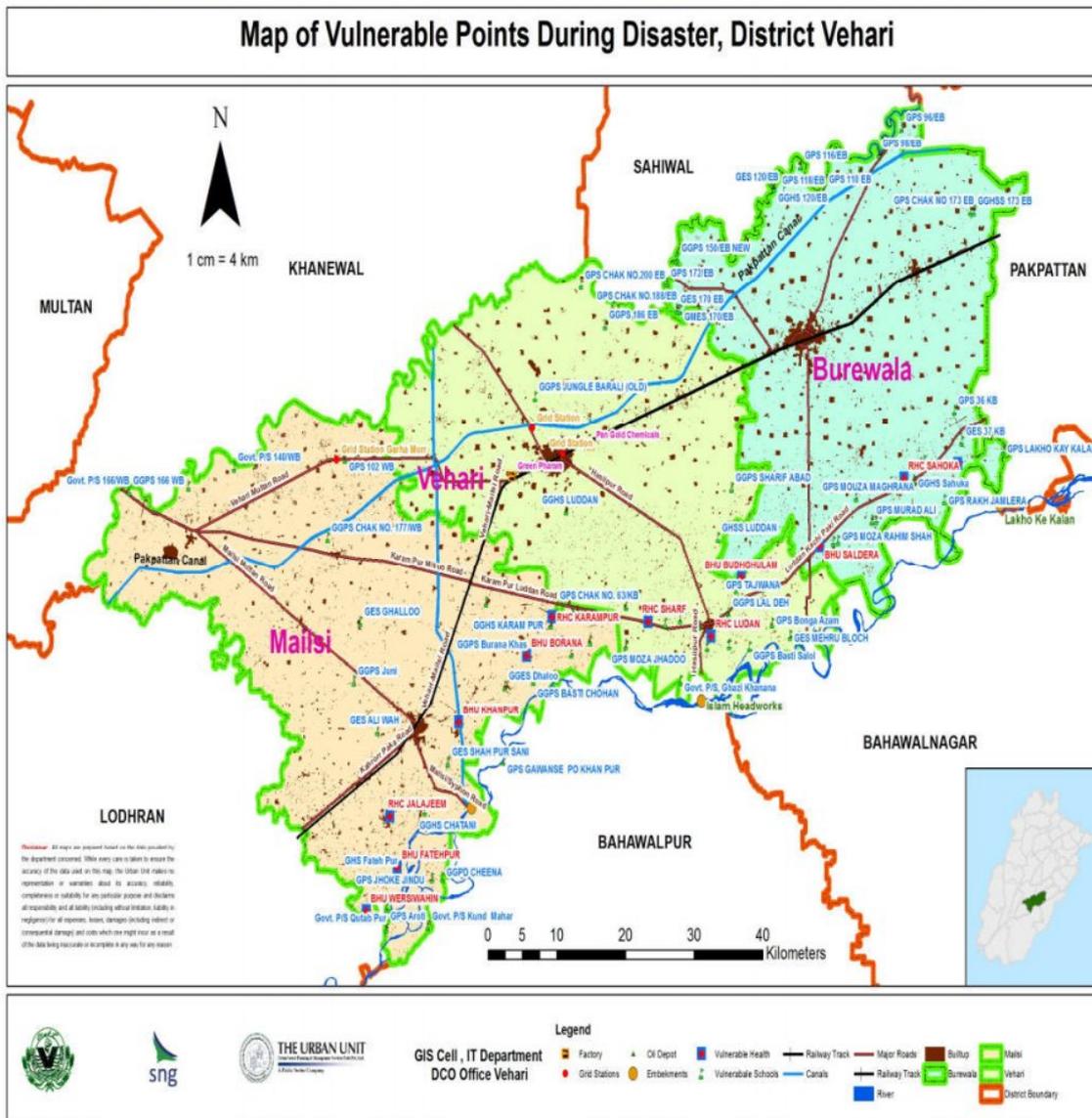
Medium : 8-14

High : 15-25

2. Hazards

- There is no such disaster rather flood occurred during last 2-3 decades at district Vehari.
- Moreover, Fuel Depots (02 Nos.) are lying in the middle of city area. The authorities are being notified for the shifting of Fuel depots outside the city area

District detail map with vulnerable points, hazards, planned camps, health facilities, warehouses etc.



3. Response & Operational Capacity

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

- ✓ Establishment of District & Tehsil Flood Control Room
- ✓ Division into 11 sectors
- ✓ Stock taking
- ✓ Regular meetings
- ✓ Mock exercises

4. Strategic Reserves & Demand

Sr.	Particulars	Availability	Functional	Non-Functional	New Demand
1	Pneumatic Boat	01	01	--	--
2	Fiber Glass boat 19 ft	08	08	--	--
3	Fiber Glass boat 24 ft	--	--	--	--
4	OBM 40 HP	10	10	--	--
5	OBM 60 HP	--	--	--	--
6	Tents	300	300	--	--
7	Life Jackets	90	60	30	100
8	Life Ring	40	40	--	--
9	Dewatering Sets 1-Cusec	2	1	1	3
10	Dewatering Sets 1.5-Cusec	10	9	1	10
11	Dewatering Sets 2-Cusec	00	00	00	05
12	Dewatering Sets 3-Cusec	--	--	--	--
13	Dewatering Sets 4-Cusec	--	--	--	--
14	Generator with light stand Set 5-KVA	01	01	--	--
15	Plastic Mats	150	--	150	150
16	Mosquito Net	100	50	50	50
17	First Aid Kit	--	--	--	100
18	Blanket	--	--	--	150
19	Quilt	--	--	--	--
20	SCUBA Set	02	02	--	02
21	Oars	02	02	--	20
22	Search Light	--	--	--	20
23	Boat Carriage Trolley	01	01	--	02

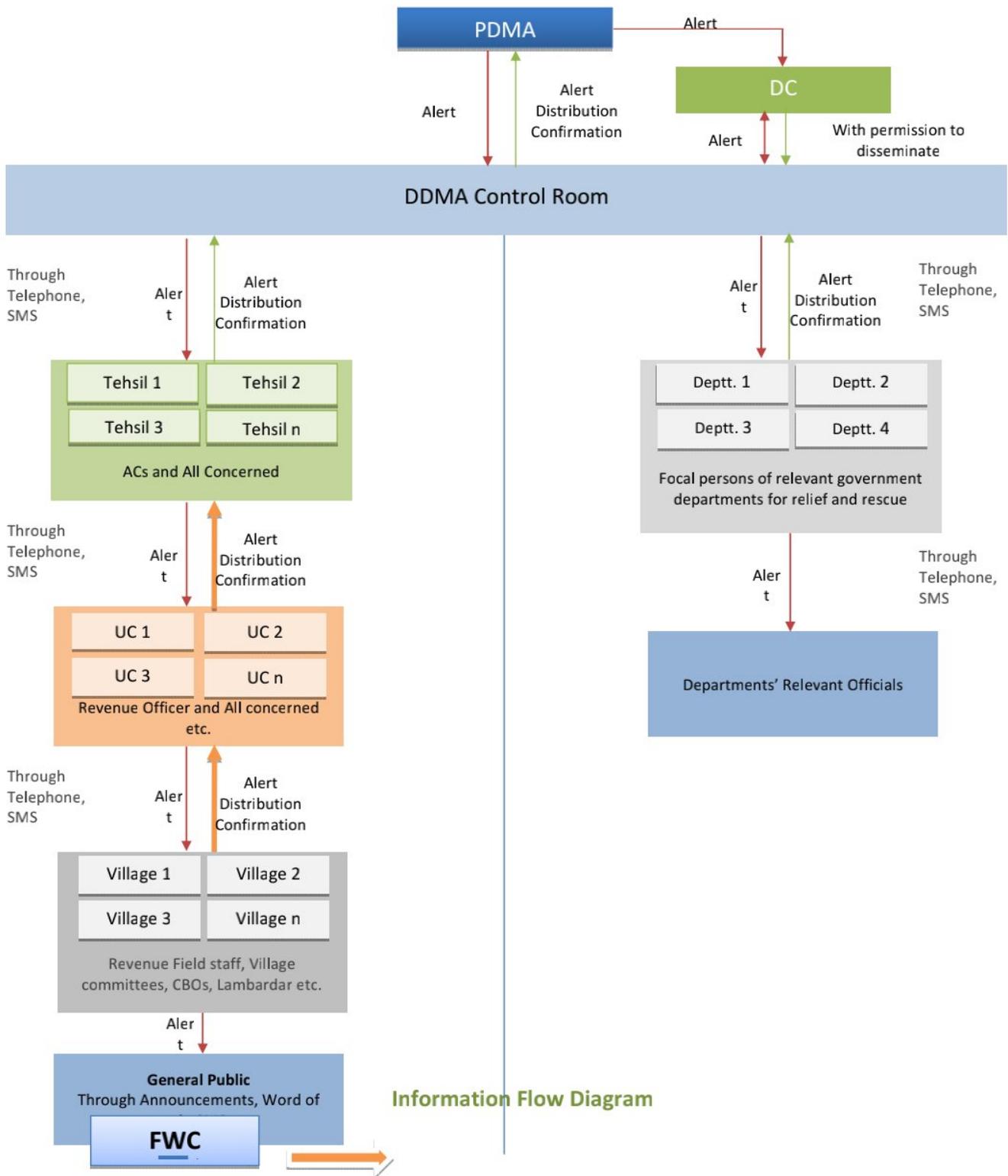
5. Gaps and Constraints

- All arrangements are intact to cope any kind of untoward situation
- No such major obstacles to provide humanitarian assistance (security, access constraints, administrative obstacles, logistics, etc.)

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"> ✓ Flood Mitigation Strategies ✓ 1) Flood Risk Prevention – Proactive spatial planning, Planning, allocation politics ✓ 2) Flood Defense-Dikes, Dams, embankments, sand Suppletion ✓ 3) Flood Mitigation-Urban green infrastructure, Flood retention, urban management. ✓ 4) Flood preparation- Warning systems, disaster planning, evacuation plans. 5) Flood Recovery. Rebuilding areas, insurance system 	Rescuer 1122 Civil Defence Health Department Police Department Works Department C&D) Irrigation Department Public Health
Urban Flooding	Dewatering of rain water from low lying Pockets of cities/towns	
Flash Floods	Nil	
Hill Torrent	Nil	
Glacial Lake Outburst Flood (GLOF)	Nil	
Landslide	Nil	
Tornado	Nil	
Earthquake	Mitigation Strategic are of two types Structural Mitigation: 1) Safe and well designed buildings as per building cods 2) Safe location of the buildings 3) Good workmanship and adequate supervision Non –Structural Mitigation 1) Land use planning 2) Legal framework 3) Incentives and financial framework 4) Training and education	Rescuer 1122 Civil Defence Health Police Works (LG & CD) Irrigation Public Health
Drought	Nil	
Epidemic	District Health Authority Vehari will be managing necessary arrangements/preventions/awareness in case of epidemic	
Fire Incidents	Mitigation Strategies for Fire Incidents 1) Good housekeeping 2) Refuse and waste disposal control. 3) Safe storage of flammable substances 4) No-Smoking policies 5) Hot work permit 6) Proper Design and Regular Maintenance of machines to avoid hot surface. 7) Safe electrical systems. 8) Do not cover ventilation outlets on equipments e.g. Computers, Heaters etc. 9) Exclusion of ignition Sources 10) Signs and Marking. 11) Provision of Fire Fighting Equipment. 12) Povisionm of emergency arrangements.	
Other Major Accidents (Building Collapse, RTA, train accident,)	1) Strict implementation of Traffic Rules 2) Awareness sessions for riders 3) Closure of wrong U-Turns 4) Implementation of Building Safety Code	
Environmental Hazards (industrial accidents, severe pollution etc.)	DO Enviroment/DO Labour shall ensure impenetation of Safety Measures in Industries Conversion of conventional brick clings to Zig Zag Technology	



Information Flow Diagram

Alertness Levels

Following four levels alertness have been established:

<p>Level-D (Disaster threat is perceptible)</p>	<p>DDMA, VEHARI 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, VEHARI 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, VEHARI shall issue "alert" to all concerned for the vulnerable area. DDMA, VEHARI and LDMA (tehsil level) control rooms be made operational 24/7 and ensure availability of all required (available and additional) resources for on call mobilization and monitor the situation 6 hourly. Only DCO and DPO shall grant leave according to the situation.</p>
<p>Level-B (High Alert) (Disaster threat is imminent)</p>	<p>Activities to be undertaken in level C + DDMA, VEHARI 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, VEHARI 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, VEHARI 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

Early warning will be received from provincial level in the Control room.

Focal person at district level will be Khurram Saleem (SNA).

Functions of District/Tehsil Emergency Control Rooms in early warning and dissemination of information to concerned departments

Early warning will be communicated to relevant departments through DEOC.

Each relevant department shall take action after receiving the early warning as per role assigned in the District Disaster Management Plan.

RESCUE STRATEGY

- What actions will be taken as an immediate response to the situation? E.g. Evacuation, medical assistance
- Who does what and when? Responsible departments/agencies
- How and when Pakistan Army will be requested to support the rescue activities
- Camp sites identified? List at Annex I.

Actions – as an immediate response to the situation:

The immediate steps to manage the incident will be the deployment of resources and determine the priorities in an appropriate way to save the lives of the trapped victims and the property of the people following steps will be taken in this regard:

- Deployment of resources at strategic locations
- Activation and mobilization of resources
- Securing the scene
- Initial Assessment
- Compile Information
- Incident Command Post
- Assign Tasks
- Reassess and Adjust
- Search and Locate
- Gain Access to the Victims
- Stabilize the Victims
- Extricate the victims
- Safe shifting of the victims to the hospital for specialized treatment
- Identification and record keeping of the victims
- Risk Management

Humanitarian Assistance

- How damage and losses data will be collected and communicated to higher level?
Damage and losses data will be collected from Root level by the Concerned Departments and will be submitted to the Chairman DDMA.
- How the priority needs (e.g. food, shelter, health etc.) will be determined?
Priority needs will be determined by the DDMA by keeping in view the intensity of disaster and flood affected
- What activities will be carried-out to provide assistance to the affected population and by whom?
Affected population will be evacuated from the Flood area by the Rescue 1122 and will be provided food, shelter etc in the Flood Relief Camps established by the DDMA
- What assistance will be provided?
Food, Shelter, Transport etc
- 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/FLOOD RELIEF CAMPS 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	GHSS SAHUKA	500	X:30.02348 Y:72.82500	16			X: Y:
2	GHS FAROOQ ABAD SALDERA	500	X: 30.03133 Y:72.69570	17			X: Y:
3	GGHS FATEH PUR	500	X:29.66726 Y:72.14843	18			X: Y:
4	GGCMS DHALOO	500	X: Y:	19			X: Y:
5	GHS MOLVI WAH	500	X: 29.97079 Y: 72.47832	20			X: Y:
6	GES DOLAT ABAD	500	X: Y:	21			X: Y:
7	GPS BUDH GHULAM	500	X: Y:	22			X: Y:
8	GPS QADIR ABAD	500	X: Y:	23			X: Y:
9	GGHS SAHUKA	500	X: Y:	24			X: Y:
10	GHS WARSI WAHIN	500	X: Y:	25			X: Y:
11	GGPS NAHMAT ALI SIFON	500	X: Y:	26			X: Y:
12	JAMLER REST HOUSE	500	X: Y:	27			X: Y:
13	AQEELA COMPLES DOLAT ABAD	500	X: Y:	28			X: Y:
14	GHSS KARAM PUR	500	X: Y:	29			X: Y:
15	GHS MAILSI	500	X: Y:	30			X: Y:

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

Hazards	Tehsils	UCs	Names of Revenue Estates	Name of Villages
Floods	VEHARI			<p>Ali-ud Din, Burana Sain Ara Mansoor, umar Shah Lal Deh, Kot Moha, Kot Mohammad Hussain , Jagan Deh, Rafiq Tajwana, Mohal, Kot GoluGul Shah, Noon, Khichi Saloo Noran Afghan, Nawaz Shah Mughal, Baqir Shah Korha, Bhinda Baqir Shah Luddan, Shada Baloch Bhal, Todda, Dad Kamera Ramzan Hunjan, Jinda Joya Mitha Hunjan, Sahu Kharal Malai, Teht Shah, Palla Mouza Lakha, Fateh Shah Mangan Deh, Ziadat Phatan Mitti Khoran, Khan Garh Islam, Shah Zikria Mehroo Baloch, Jatera Azam Ahmad Abad, Kot Hakim Ali Akbar Shah, Ghulam Shah Bonga Azam, Mian Hakim Jhedu, Jhedu, Sharaf Chaju Deh, Shah Qadoos Khaga, Ghazi Tajwana Bonga Azam, Bysukh Byas 541/EB, 543/EB, 475/EB 481/WB, 479/EB, Allah Abad 58/KB, 61/KB, Qadir Abad Karim Shah, 64/KB, 65/KB Jhedu,</p>
	MAILSI			<p>Nemat Ali, Langana Kund PunaKund Sarkar Kund Bahadur, Ghuns Pur Sani Ganwans, Ghon, Dhallu Hassan Shah, Kalia Shah Burana Khans, Mamor Deh Chak Peer, Chakar Waseer Peer Shah, Karram Pur Zor Kot, Fateh Pur, Qutab Pur Theh Wadda, JHoke Haji Khok Saleh, Jund Mohar Aroti, Dal, Asrani, Punna Makhdum Pur, Jhoke Jindo Behli, Bhinda Pjaran, Cheena Sathu, Chattani, Kund Azam Kund No Abad Khas Chak Shah Pur Chak Hassan Ali Wala Ghouns Pur Khas Ghulam Sindi, Kot Butta Johni, Ghanash Pur, Ali Wah Hassan Shah,</p>
	BUREWALA			<p>Murad Ali Bhaggar, HUndia Khan</p>

				<p><i>Hundala Sani, Mansur Shah Shah Jahan, Saldera Hithar Shamas Shah, Saldera Utar Gahi Shah, Mudher, Maghrana Dona Ali Khan, Kot Qadir Bux Rahim Shah, Sahuka, Bhatti Mohammad SHah Wains Khokhra, Jamlera, Blara, Jamlera Lakhoke Kalan, Kot Tharaj 36/KB, 3/KB, 39/KB, 41/KB 40/KB, Koram Kamdana, 94/EB 96/EB, 98/EB, 100/EB, 104/EB 106/EB, 110/EB, 116/EB, 118/EB 120/EB, 150/EB, 170/EB</i></p>
Urban Flooding	NIL	NIL	NIL	Karampur, Gaggoo Mandi, Luddan, Machiwal, Burewala, Vehari, Mailsi
Flash Floods	NIL	NIL	NIL	NIL
Hill Torrent	NIL	NIL	NIL	NIL
Tornado	NIL	NIL	NIL	NIL
Earthquake	NIL	NIL	NIL	
Drought	NIL	NIL	NIL	NIL
Epidemic	NIL	NIL	NIL	
Environmental Hazards (industrial accidents, severe pollution etc.)	NIL	NIL	NIL	Khanewal Chowk Vehari, Azimzabad Burewala, 24/WB, Mailsi

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	RHC LUDDAN	X: 29.88655 Y:72.55958	Primary	Dr. Rukh-e-Zainab 03154106200	Flood
2	RHC SHARAF	X: 29.90160 Y:72.47166	Primary	Dr. Shoaib Zulfiqar 03005410963	Flood
3	RHC SAHUKA	X: 30.02922 Y:72.81227	Primary	Dr. N. Anwar 03354943125	Flood
4	RHC JALLA JEEM	X: 29.72028 Y:72.13902	Primary	Dr. Hammad Bashir 03007942522	Flood
5	RHC KARAM PUR	X: 29.90134 Y:72.35944	Primary	Dr. Zahida Perveen 03027473807	Flood
6	BHU BORANA	X:29.89708 Y:72.34352	Primary	Dr. Iram 03334584928	Flood
7	BHU FATEH PUR	X: 29.78241 Y:72.17724	Primary	Dr. Shahan Haider 03336256640	Flood
8	BHU JAMLERA	X: 30.05738 Y:72.88469	Primary	Dr. Hadiqa 03346179304	Flood
9	BHU KHAN PUR	X: 29.79982 Y:72.18872	Primary	Dr. Uzma Sattar 03007331757	Flood
10	BHU SALDERA	X: 29.96431 Y:72.72485	Primary	Dr. Farhan Ghaffar 03334981188	Flood
11	BHU WARSI WAHIN	X: 29.78993 Y:72.16312	Primary	Dr. M. Waqas 03023022792	Flood
12	BHU BUDH GHULAM	X: 29.93828 Y:72.59984	Primary	Dr. Zaheen Ayesha 03326081024	Flood

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GPS Arra Mansoor	SCHOOL	X:29.88626 Y:72.523499	129	M. Jafir	03054774885
2	GHSS Luddan	SCHOOL	X:29.887758 Y:72.5553226	1232	Abdul Ghaffar	03017925314
3	GPS Mitha Hanjan	SCHOOL	X:29.861713 Y:72.588484	136	Mushtaq Ahmad	03017940060
4	GPS Lal Deh	SCHOOL	X: 29.903257 Y: 72.582138	65	Irshad Ahmad	03007226598
5	GPS Umer Shah	SCHOOL	X:29.861181 Y:72.516221	76	Asif Nadeem	03338327459
6	GPS Ghazi Khanana	SCHOOL	X:29.845851 Y:72.520251	202	Sajid Sharif	03086910703
7	GPS Kot M. Hussain	SCHOOL	X:29.877334 Y:72.583915	107	M. Aslam	03061282797
8	GES Dad Kamera	SCHOOL	X:29.844912 Y:72.620227	170	M. Zahid Khan	03336278955
9	GPS Bunga Azam	SCHOOL	X: 29.893872 Y:72.560251	102	Khizar Hayat	03338409097
10	GP's Tajwana Korya	SCHOOL	X:29.930908 Y:72.647769	157	Asif Sultan Danish	03059192736
11	GPS Basti Maher	SCHOOL	X:29.885413 Y:72.663931	154	M. Jafar	03042480725
12	GPS Mehru Bloch	SCHOOL	X:29.898574 Y: 72.703156	170	Sabir Hussain	03064949323
13	GPS Lakha	SCHOOL	X:29.94109 Y:72.703156	148	Sahid Iqbal	0304177572
14	GES Ahmadabad	SCHOOL	X:29.92799 Y:72.592944	257	Mazhar Jamil	03007232258
15	GPS Budh Gulam	SCHOOL	X:29.938731 Y:72.599491	126	Shairr Zaman	03467805171
16	GES Sharif	SCHOOL	X:29.889355 Y:72.472022	134	Khalid Hafiz	03017939803
17	GPS Chachu Daa	SCHOOL	X:29.885093 Y:72.490021	91	M. Altaf-ur- Rehman	03002148916
18	GPS Jhedu	SCHOOL	X:29.912778 Y:72.448077	221	Ghulam Yasin	03008160796
19	GPS Moza Akbar Shah	SCHOOL	X:29.899043 Y:72.505141	164	M. Saeed	03040406630
20	GPS Mohal	SCHOOL	X:29.900834 Y:72.519596	153	Ali Sher	03336274609
21	GPS Sharif Abad	SCHOOL	X:30.001426 Y:72.558074	116	M. Yousaf	03373432007
22	GPS 63/KB	SCHOOL	X:29.912778 Y:72.448077	169	Sajjad Hussain	03057001363
23	GEs Dhalloo	SCHOOL	X:29.843164 Y:72.292970	300	Manzoor Ahmad	03007739559
24	GPS Malik Wahin	SCHOOL	29.822017 72.268112	122	Ghulam Mustafa	03017396914
25	GPS Gawans	SCHOOL	29.843164 72.292171	106	M. Naeem	03008002247
26	GPS Mochi Pura	SCHOOL	29.760542	117	Zulfiqar Ali	03336252988

S#	Name	Institute type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
			72.198463			
27	GES Mailsi Syphon	SCHOOL	29.729845 72.245834	299	M. Siddique	03027738510
29	GPs Jhor Jhindu	SCHOOL	29.663448 72.194757	143	Zafar Abbas	03007727103
30	GPS Cheena	SCHOOL	29.673423 72.204757	40	Amir Sohail	03005959981
31	GPS Budh Mahar	SCHOOL	29.619929 72.189748	70	Anwar Ahmad	03016500211
32	GPS Binda Bishra	SCHOOL	29.646021 72.184571	78	M. Farooq	03049265872
33	GPS Ghosh Pura	SCHOOL	29.729513 72.178823	116	M. GHaffar	03016573561
34	GPS Hussain Shah	SCHOOL	29.880732 72.402018	85	Rao Talib Nadeem	03016573842
35	GPS Peer Shah	SCHOOL	29.865870 72.359108	82	Hafiz M. Shahid	03037595480

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	Risk Level (low, medium, high)	Prone to Hazard? Fire/ Floods/ Earthquake
1	--	--	--				

ANNEX VI: LIST OF NGO WORKING IN THE DISTRICT

#	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	Al Khidmat Society Madina Colony, Vehari.		Vehari	Patients Welfare	Abdul Waheed Tahir Mahmood	
2	Al –Shifa Medical Welfare Organization 27-H, Vehari.		Vehari	Family Welfare & Free Dispensary	Dr.Muhammad .Aslam Dr.Somera	
3	Al Zahrah Welfare Society 64-A1, Mohala Rasool Pura Mailsi.		Mailsi	Women Welfare Education	ZubaidaMalikHaji Zahoor Ahmed	067- 3410953 - 3411165
4	Al-Flah Welfare Society "G" Block, Vehari.		Vehari	Khawateen Children	Mian Muhammad Janzab Mian Muhammad Iqbal	067- 3365596 0300772257 9
5	Anjuman Behbood-e - Marizan THQ Hospital, Burewala.		Burewala.	Helath	Muhammad Jameel Bhatti Amir Bukhsh	067- 3771499
6	Anjuman Behbod- e- Marizan THQ Hospital, Mailsi.		Mailsi	Patients Welfare	Junaid Ali Khan Gulam Mustafa.	067- 37517280 – 3750126
7	Anjuman Falah-e- Niswan Junaid Vila Multan Road, Mailsi.		Mailsi	Women Welfare	Ferhana Arshid Jabain Junaid	067- 3410731 0300- 7729449
8	Anjuman Samaji Behbood Karam Pur, Mailsi.		Mailsi	Health	Firdoos Shah M.Yaquab	067- 3696214
9	Bismillah Welfare Society.505-E.B, Burewala.		505-E.B	Ind Home Industrial Home.	Abdul Hafiz Remat Ali	067- 3352313
10	Burewala Welfare Society Fatima Jinnah Girls High School Burewala.		Burewala	Education, Ind.Home.	Rana Nisar Ahmed Hatim Hussain.	067- 3351766 067- 9200266
11	Children Welfare Society Children Comple DHQ Hospital Vehari.		Vehari	Child Welfare Helath	Muhammad Sarwar Shahid Perwaz	0333- 6271664
12	Dar-ul- Flah House No. 30- P, Burwala.		Burewala.	Health Services	Malik Nasir Ahmad Ziarat Ali	067- 3773509
13	Disabled Welfare Society 3/Jahangir Plaza Burewala.		Burewala.	Education	Masood Ahamed Abdul Rauf Ch.	067- 3771199

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.
14	Fizan-e-Mustafa Welfare Society Chak 9-WB Mian Channu Road Vehari.		Vehari	Health	Zafar-ullah Khan M Amin	067-3364674
15	Global Youth Organization House No.22-H, Burewala.		Burewala.	Child Welfare.	Dr Sayad Bukhari Rashid Zagam.	067-3355680
16	Hawks Social Welfare Organization Near Thana Saddar , Mailsi.		Mailsi	Education Women Welfare Youth Welfare	Syed Asghar Abbas Ali Waqas	067-3411143
17	Idara Rafeah Ama Chak No. 98-E.B Burewala.		98-E.B	Ind. Home	Bashir Ahmed Muhammad Hussain	0334-7793201
18	Laback Welfare Society MailsiManzal, Mailsi.		Mailsi	Education Vocation Ceten	Muhammad Ali Shah Zameer Hussian	067-3410323
19	Welfare Service Near Railway		Mailsi	Health.	Ch Allah dittah Abdul Khaliq	067-3411895 - 3411896
20	Mishal Development Organization Chak No. 37/W.B, Vehari.		Vehari	Women Welfare, Health	Musarat Khan Farhat Baber	
21	Public Anty Drug Society Old Bus Stand Near Itfaq Mottors, Vehari.		Vehari	Health	Asia Naseem Muhammad Waseem	
22	Quaid-e- Azam Welfare Society Chak No 11-W.B, Vehari.		Vehari	Education Girls High School.Non formal School	Muhammad Saddique Tariq Saddique.	
23	Sahara & Sukh Orgnazation Quaid Azam Road, Mailsi.		Mailsi	Education, Health, Vocation Centre, Student Welfare	Ghulam Mustfa Ghulam Murtza	067-3750126
24	Services for Health Education & Development, Chak No. 62/WB Vehari.		Vehari	Health, Education	khtar Hussain Ejaz ul Hussan	
25	Shaheen Welfare Society Chak No.134/E.B Burewala.		Burewala	Women Welfare	Liaqat Ali Muhammad Attique	0333-6299134
26	Shehri ijtamie Tarqiyyati Council Junad Vila Multan Road, Mailsi.		Mailsi	Women Welfare.	Junad Ali Khan Malik Amir Bukhsh	067-3410731030 0-7729449

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Depty commissioner Vehari	Muhammad Khizar Afzal Choudhry	067-3362122 067-3363488 Fax-3363688	067-3363477 Fax-3363478	0304-0920094
2	DPO Vehari	Tariq Aziz	067-9201076 067-3363244 Fax-9201080	067-3362953	0321-8515515
3	Additional Deputy commissioner Revenue	Saif Ullah Sajid	067-3364063 Fax-3363514	0673360347	0345-7525127
4	DEO Rescue 1122	Eng. Danish Khalil	067-9201303 067-9201122		03335154346
5	PIU-PDMA District Disaster Management Coordinator	Khurram Saleem	067-3365508		0333-6929933
6	DO Civil Defence	Khalid Kareem	067-3363287		0333-6431947
7	SNA	Khurram Saleem	067-3360709		0333-6939933
8	AC – Vehari	Syed Waseem Hassan	067-3361250	067-3363304	0300-9379306
9	AC - Burewala	Bilawal Ali Hanjra	067-9200108 Fax-9200109	067-9200110	0321-6796566
10	AC – Mailsi	Ghulam Mustafa	067-3410888	067-3410777	0333-6802225
11	Tehsildar - Vehari	Hafiq Iqbal Kathia			0300-7720600
12	Tehsildar -Burewala	Shahid Nawab Gujjar	067-9200106		0300-6919689
13	Tehsildar -Mailsi	Muhammad Zafar Jatyal			0300-8731981
14	Chief Officer - MC Vehari	Rao Naeem Khalid	067-3362650		0300-7734922
15	Chief Officer (MC) Burewala	Akram Wahla	067-9200136 067-9200134 Fax-9200137		0300-6982321
16	Chief Officer MC Mailsi	Khalid Mehmood	067-3411829 Fax-3411120		0300-9688130
17	Chief Executive Officer (Education) Vehari	Shoaib Imran	067-3362816	067-3360618	0300-9639318
18	XEN Irrigation W/B Thangi	Nadeem Bhatti	067-3788115		0300-8099265
19	SDO Syphon Mailsi	Muhammad Jaffar	067-3788121		0306-8860325
20	Chief Engrn. Irrigation		061-9200144 Fax-9200133		
21	DD Agriculture Ext. Vehari	Rana Arif	067-9201185		0300-5508360
22	CEO Health	Dr. Anjum Iqbal	067-9201111		0300-7899009
23	DMO	Syed Waseem Hassan	067-9201059		0300-9679306
24	MS DHQ Hospital	Dr.ShahidIqbal	067-9201118		
25	A.D. Livestock	Dr. Zakir Ali	067-9201212		0333-6260787
26	DO Wild Life	Mian Munir Ahmad Khagga	067-3362729		0307-7389525
27	Bomb Disposal Civil Defence	Zulfiqar Ali,			0333-2080661

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
28	XEN Public Health Vehari	Ijaz Hussain	067-3366501		0333-6446965
29	Mailsi Garrison, Mailsi		067-3410508		
30	Manager, Shell Pakistan	Javed Iqbal	067-3361703		0300-7729457
31	Incharge, PSO Company	Raheel Akram	067-3361733		0334-4432892
32	D.E Telephone	Muhammad Irshad	067-3364786		0333-7725222
33	Asst. B.M. Telephone, Vehari	Farooq Ahmad Bandesha	067-3363100		0300-7726772
34	S.E MEPCO, Vehari	Engr: Khalid Nazir	067-9201092		0302-8431151
35	XEN Mailsi Siphon	Nadeem Bhatti	067-3788121		0300-8099265
36	XEN Head Islam	Irfan	067-3024990		0300-5532328
37	XEN Pakpattan Sharif	Abdul Raheem Wattoo	0457-373878		0300-7972382
38	DD (LG&CD)	Khan Muhammad Khan	067-3364009		0300-4512564

ANNEX VIII: LIST OF VOLUNTEERS

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1	M. RAZAAQ AALAM	3660351360499	D BLOCK VEHARI	03017942117	B+	
2	ALI RAZA	3660312266459	BHAGWAN PURA	03136290514	AB+	
3	MUQEEM AHMAD	3660312456383	TARIQ BIN ZIAD COLONY	03360600248	B+	
4	FAHEEM AHMA	3660317456213	TARIQ BIN ZIAD COLONY	03360600248	B+	
5	USMAN KAREEM	3660312233451	G BLOCK VEHARI	03039008907	B+	
6	ZULAFQAR ALI	366035226837	LIAQAT PURA KACHI MANDI	03064986137	B+	
7	MUSTANSAR HUSAIN	3660352232763	D BLOCK VEHARI	03004455786	B+	
8	M.AMIR	3660321221451	D BLOCK VEHARI	03087946916	B+	
9	RASHID NADEEM	3660336251492	DANEWAL TOWN VEHARI	03064983050	AB+	
10	ABDUL SAMAD	3660396857433	D BLOCK VEHARI	03056655112	O+	
11	MAQSOOD AHMAD	3660386775407	B BLOCK VEHARI		B+	
12	NOOR AHMAD	3660360222718	B BLOCK VEHARI		B+	
13	RIZWAN ASLAM	3660308335642	B BLOCK VEHARI	03087530554	B+	
14	RASHID KARIM	3660360200719	ZAFAR COLONY VEHARI	03029395602		
15	M. ABBAS	3660380313037	USMAN ABAD VEARI	03065939239	AB+	
16	WAQAS HUSAIN	3660308465631	ZAFAR COLONY VEHARI	03057187150	B-	
17	SHEHZAD HUSAIN	3660335743919	ZAFAR COLONY VEHARI	03087935375	B+	
18	M. AZAM	3660334543122	LIAQAT PURA	03037826126	B+	
19	M. USMAN	3660335342711	KACHI MANDI VEHARI	03026339516	O+	
20	LIAQAT ALI	3660385387429	LIAQAT PURA	03068895503	O+	
21	ZAHID	3660341395973	LIAQAT PURA	03053596327	O+	
22	SHAHID RAZA	3660396358219	LIAQAT PURA	03348074686	B+	
23	M. ISHFAQ	3660336298543	LIAQAT PURA	03047451346	AB+	
24	SHEHZAD HUSAIN	3660368149253	LIAQAT PURA	03136323418	A+	
25	AHMAD RAZA	3660368149341	ZAFAR COLONY VEHARI	03008130445	B+	
26	M. AKRAM	3660360876627	ZAFAR COLONY VEHARI	03037980217	B+	
27	MAZAJ ALI	3660368140551	USMAN ABAD VEHARI	03017183870	O+	
28	SADAQAT ALI	3660360870709	ZAFAR COLONY VEHARI	03056855891	O+	
29	M. TARIQ	3660372149353	BHATTI COLONY VEHARI	03049132445	B+	
30	M. BILAL	3660368149142	KACHI MANDI VEHARI	03049888910	O+	

ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Port folio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Port folio	Contact Number
MNA NA-162	Ch. Faqeer Ahmad	PML-N	0321-6991929	MPA PP-229	Muhammad Yousaf Kasalia	PML-N	03458439684
				MPA PP-230	Khalid Mahmood Dogar	PML-N	03006991257
MNA NA-163	Sajid Mehdi	PML-N	0300-8448984	MPA PP-231	Mian Irfan Aqeel Daultana	PML-N	03235000786
				MPA PP-232	Ejaz Sultan Bandaisha	PTI	03007720481
MNA NA-164	Tahir Iqbal	PTI	0300-7729347	MPA PP-233	Rai Zahoor Ahmad	PTI	03007720198
				MPA PP-234	Mian Saqib Khursheed	PML-N	03336262999
MNA NA-165	Aurangzeb Khan Khichi	PTI	0300-7729003	MPA PP-235	Muhammad Ali Raza Khan Khakwani	PTI	03008633393
				MPA PP-236	Jahahnzeb Khan Khichi (Minister Transport)	PTI	03007729002

ANNEX X: LOCAL GOVERNMENT

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	Administrartior District Council	Vehari	Khizar Afzal Choudhry	067-3362122 067-3363488 Fax-3363688	0304-0920094
2	Administrator MC Vehari	Vehari	Khizar Afzal Choudhry	067-3362122 067-3363488 Fax-3363688	0304-0920094
3	Administrator MC Burewala	Burewala	Khizar Afzal Choudhry	067-3362122 067-3363488 Fax-3363688	0304-0920094
4	Administrator MC Mailsi	Mailsi	Khizar Afzal Choudhry	067-3362122 067-3363488 Fax-3363688	0304-0920094

ANNEX XI: 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)
----	------	-------------	------	---------	----------------	---------------	--------	----------------------	--------------	----------------	-------------	-----------------	---------------------

P2: Deceased Person Reporting Performa

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 Reposrtng 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
----	-----------------	---------------	---------	----------	--------	-----	------	-----------------	----------------	--------------------------------------	--------------------------

P4: Cattle Head Perished

District: _____

Date: _____

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

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

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

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

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

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

P10: Control Room/DEOC

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

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)
<u>SARGODHA ZONE</u>			
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
<u>PMO BARRAGES</u>			
1	Kalabagh H/Works Division	Jinnah Barrage	25,080
	Total in feet.		25,080
	Total in Miles.		4.75
<u>FAISALABAD DIVISION</u>			
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
<u>BAHAWALPUR ZONE</u>			
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
<u>MULTAN ZONE.</u>			
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
<u>D.G.KHAN ZONE</u>			
1	Taunsa Barrage	Right Guide Bund Upstream	15,000
2	-do-	Left Guide Bund	20,000
3	-do-	ShahwalaGroyne	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
<u>LBDC(IP)</u>			
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 AikNullah	7,340
4	do	Hajoipur Flood Protection Bund along AikNullah	86,00
5	do	Left Flood Protection Bund over degNullah from defence embankment to ZafarwalaKingra 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	RasulHeadworks 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	PunjnadHeadworks 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	KotAdu 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	BallokiHeadworks 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.				
			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
	Mangla	10.6	0.75	1.1	1.5	2.25	3
	Rasul	8.5	0.75	1.1	1.5	2.25	3
CHENAB	Marala	11	1	1.5	2	4	6
	Khanki	8	1	1.5	2	4	6
	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 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
	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
SUTLEJ	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	2.25
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	3
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	2.27

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.