

DISTRICT DISASTER MANAGEMENT PLAN 2020

Division: Gujranwala
District: Narowal



Flood in River Ravi 2014



Jalala Flood Protection Bund.



Flood Mock Exercise at MR Link Canal



Flood Relief Camp

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TABLE OF CONTENTS

Executive Summary	3
Aim and Objectives	4
District Profile	5
Coordination Mechanism	11
Risk Analysis	19
Mitigation Strategy	26
Early Warning	29
Rescue Strategy	31
Humanitarian Assistance	32
Annex I: Identified sites for displaced persons	33
Annex II: List of hazard prone villages/ Revenue Estate (NAMES REquired)	35
Annex III: List of Health Facilities and their vulnerability to Hazards	35
Annex IV: List of vulnerable Educational institutions	37
Annex V: List of Industries with their risk level	38
Annex VI: List of NGO working in the District.....	38
Annex VII: Contact list of main stakeholders / departments	40
Annex VIII: List of volunteers.....	41
Annex IX: Political Constituencies	53
Annex X: Local Government	54
Annex XI: Data Collection Proformas	55
Annex XII: Camp Management SOPs	58
Annex XIII: Flood Bunds	59
Annex XIV: River Discharge Rates.....	62
Annex XV: List of Basic Terms.....	63

Flood

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

1.11%

of total population

Risk: High

Hill Torrent

Estimated number of people at risk of Hill Torrent in 2020

0

of total population

Risk: Low

Earthquake

Estimated number of people at risk of earthquake in 2020

0

of total population

Risk: Low

Epedamic

Estimated number of people at risk of epidemic in 2020

0.2%

of total population

Risk: Low

EXECUTIVE SUMMARY

District Narowal was originally carved out of District Sialkot on 1st of July 1991 and now consists of Tehsil Narowal, Shakargarh and Zafarwal.

Major Hazards

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

Response Objectives are as follows:

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

AIMS AND OBJECTIVES

The plan is aimed at managing 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	1709757
2.	No. of Tehsils	3
3.	No. of UCs	98
4.	No. of Revenue estates	263
5.	Population Density (people per km ²)	729
6.	Family Size	5
7.	Pop Growth Rate	1.53
8.	PCI	
9.	District GDP/Annual Income	3.11 Billion
10.	Poverty Rate	49%
11.	Patient/Doctor Ratio	8911/1
12.	AMR	> 30%
13.	IMR	50/1000
14.	MMR	276/100000
15.	Literacy Rate	52.7%
16.	Global Acute Malnutrition (GAM) rate	6.4%
17.	Severe Acute Malnutrition (SAM) rate	5.4%
18.	Percentage of population having access to clean drinking water	97%
19.	Annual Crime 2019	5310

Population

Total	Male (above 18)	Female (above 18)	Minor (M) (less than 18)	Minor (F) (less than 18)	Vulnerable People (PLWs, disabled, aged)
1709757	841,950	867,712	-	-	-

Source/Note: Population welfare department

Number of Dwelling Units	Kaccha (Mud/clay)	Pakka (Bricks & Morter)
239916	35987	203929

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
2346	465000	422700	47300

Literacy Rate

Overall	Rural		Urban		Total	
	Male	Female	Male	Female	Male	Female
52.7%	65.6%	37.8%	75.5%	59.3%	70.55%	48.55%

Source/Note: Literacy Department Narowal

Government Schools

		Schools	Enrollment
Total/ Overall		1101	282284
Boys	Primary	230	15498
	Middle	66	30998
	High	90	56620
Girls	Primary	509	30997
	Middle	105	84936
	High	97	62682
Co-education	Primary	-	-
	Middle	-	-
	High	-	-
Special Education	4	553	

Private Schools

		Schools	Enrollment
Total/ Overall		1475	249975
Boys	Primary	26	6630
	Middle	88	22440
	High	44	11220
Girls	Primary	30	7650
	Middle	102	26010
	High	110	28050
Co-Education	Primary	52	13260
	Middle	805	77764
	High	218	56950
Special Education			

Higher/Technical/Professional Education (Public & Private)

Particulars	College	Universities	Professional	Technical	Commerce	Total
No of Institution	11	3	3 (2 Law,1 Med)	5	6	35
No of Students	15033	2840	525	1450	1940	21788

Source: D.D Colleges, Narowal.

Health Facilities

Particulars	Primary	Secondary	Tertiary	Private Hospital	Total
No. of Facilities	82	02	-	1	85
Annual OPDs	1488753	1356808	-	-	2845561
No of beds	282	380	-	600	662
Doctors Available	107	282	-	66	455
Paramedical staff	320	74	-	59	453
Ambulances available	00	0	-	10	10
Mobile Medical Units					01

Source: Health Dept.

Livestock: Small Animals (goats, sheep etc.): 256815 Big Animals (cows, buffalos, camel etc.) 436689

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
57%	5.3%	4.9%	0.05%	8.75%	6%	1%	1%	4%	9%	3%

Disaster History - Floods (since 1970)

S#	Year	No. of people affected	No. of deaths	No. of Revenue Estates affected	Houses Damaged (Partially)	Houses Damaged (Fully)	Compensation Paid (Rs.)	Financial Impact (including infrastructure damaged)
1	2014	17025	14	322	1600	425	22400000	
2	2016	8500	1	133	46	1	1600000	

Disaster History – Other disasters (since 1970)

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

General Information

Particulars	Detail
Neighboring districts and their vulnerabilities	Sialkot, Gujranwala, Shaikhupura are neighboring districts. All are vulnerable to Flood
Topographical Features	Alluvial plain mainly sedimented from floods starting Himalayan Mountain
Weather/Climature pattern	Hot & Humid Major source of precipitation is monsoon Annual average rainfall 800-1000mm

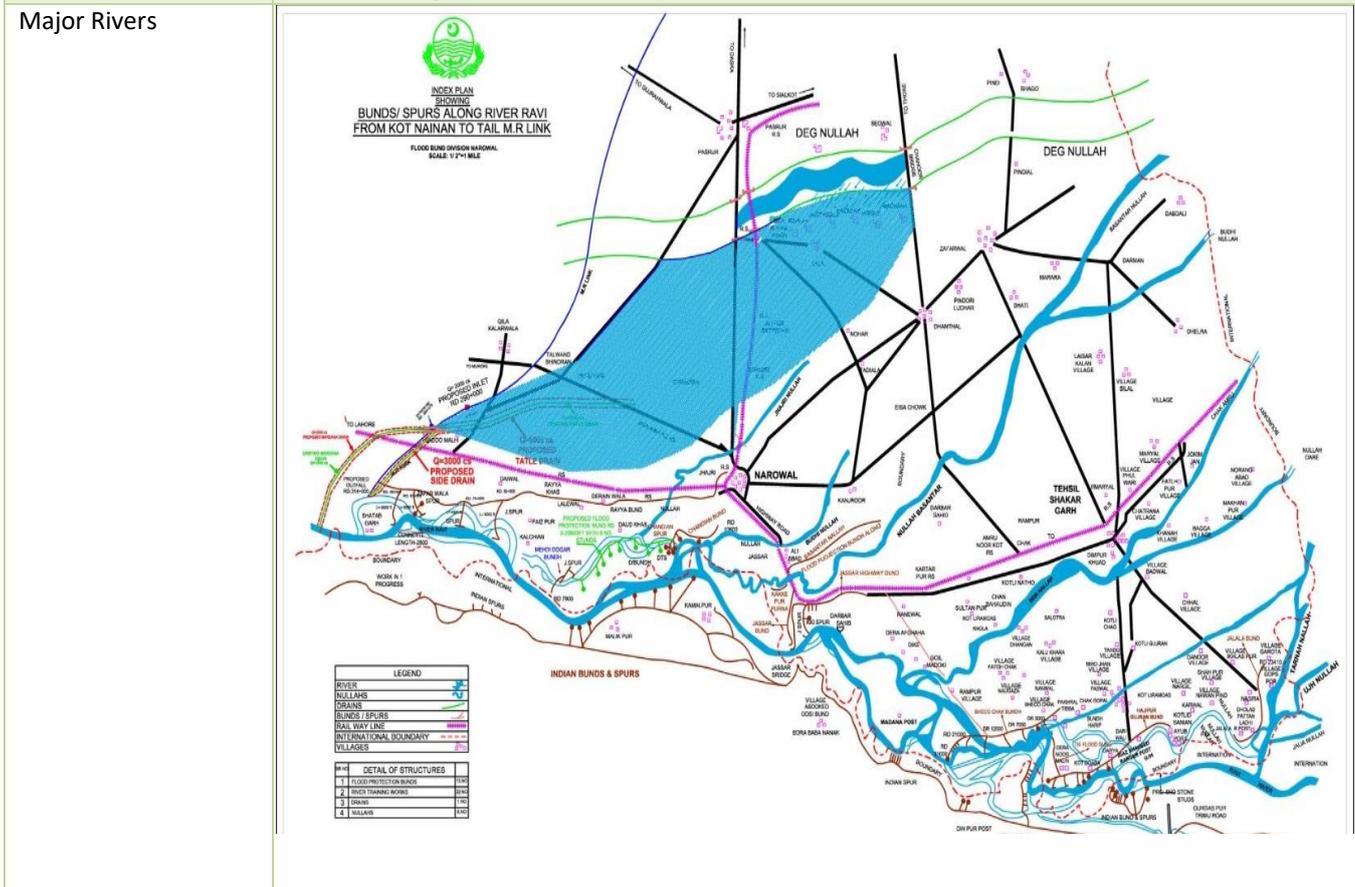


Figure 1: Lay Out of All Flood Bunds on River Ravi and its Tributaries in District Narowal

Major Nallahs / Streams	Sr. #	Name of Tributary	Length in Miles	Average slope 1000 ft.	Catchment area in sq. mile	Likely maximum Discharge in cusecs	Out-falling at
	1	Ujh Nullah	80	31.6	675	249000	U/S Jassar Bridge
2	Bein Nullah	48	5.9	346	128000	U/S Jassar Bridge	

		3	Basantar Nullah	45	6.4	224	83000	D/S Jassar Bridge
		4	Nullah Deg	10	-	-	75102	U/S MR Link Canal
Motorway/Highway	Vulnerable points of motorway/highway -							
Railways	Vulnerable points of Railway -							
Geological features	e.g. fault line, mountainous areas etc. -							

Dams (including small dams)

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

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
Jalala Bund	5.34	Shakargarh	Shakargarh	Village Attu Chak Jhander		The Bund eroded near the village from Attu Chak Jhander to Viraich BC during floods of 2017. To check parallel flow of Ujh Nullah near Jalala Bund in-between RD 13 to 18 to avoid breach of bund in floods. Contracts have been awarded amounting to 140.53 M on dated 9 th March 2020 for Rehabilitation of Jalala Bund. NDRMF project in progress- Hydraulically Safe.
Haji Pur Gujran Bund	7.55	Kot Nainan/Shakargarh	Shakargarh	Hajipur Gujran		Rehabilitation of Hajipur Gujran Flood Bund is continue upto safe flood protection parameters (HFL +6 ft free board) as identified by Federal Flood Commission and Manual of Irrigation Practices. Contract have been awarded amounting to 367.933 M on dated 13 th March 2020 for Rehabilitation works.
Bheco Chak Flood Bund	6.20	Shakargarh	Shakargarh	Bheco Chak		Flood Restoration work tender on 09/05/2020
Tie Bund	1.41	Shakargarh	Shakargarh			No Damages in past three floods.
Jassar Flood	1.86	Narowal	Narowal	Jassar.		No Damages in past three

Bund				Aliabad		floods.
Chandian Dowel Bund	2.10	Narowal	Narowal			No Damages in past three floods.
Rayya Flood Bund	18.8					Earthwork is in Progress- Hydraulically safe
Mehdi Doger Bund	1.56					No Damages in past three floods.
Deg Bund R/s & L/s	10	Narowal	Narowal			Flood restoration work tender on 09/05/2020

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		
Jalalla Bund	Jalalla	X: Y:	3200	2850	1950	15	
Haji Pur Gujran Bund	Bain at Fatehpur	X: Y:	1400	1270	1590	7	
Jassar Flood Bund	River Ravi at Jassar	X: Y:	950	840	1020	12	

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

Name	Capacity	GPS Coordinates	Name	Capacity	GPS Coordinates
Narowal Energy Limited (HUBCO)	225 MW	-	Grid Station Narowal	-	-
Grid Station Shakargarh		-	Grid Station Zafarwal		-
Grid Station Baddomalhi		-			-

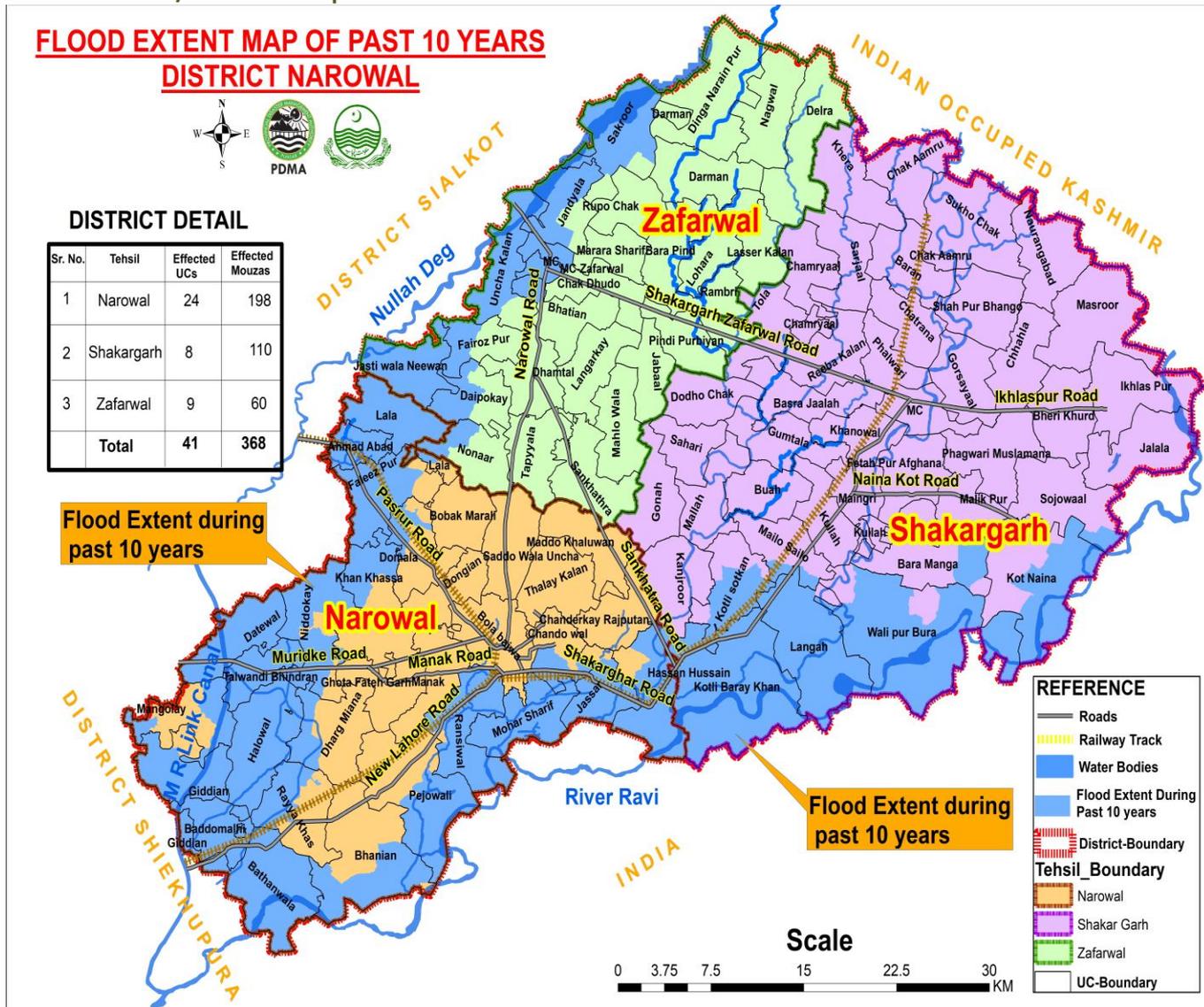
Airport / Landing Strips

Type	Area Name	GPS Coordinates	Type	Area Name	GPS Coordinates
-	-	-	-	-	-

Govt. storage facilities/warehouses in the district

Facility Type	Capacity	Location with GPS Coordinates	Facility Type	Capacity	Location with GPS Coordinates
-	-	-	-	-	-

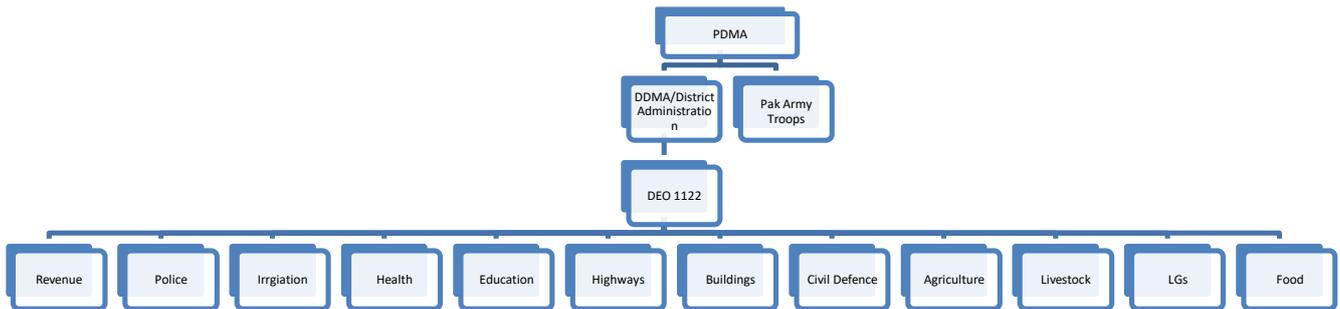
District baseline/reference map



Source: Irrigation Department Narowal.

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 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

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)

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 role of armed forces is very remarkable in every disaster situation like Corona Pandemic, floods etc. The services of the armed forces shall be engaged in an emergency situation for aiding in civil administration for rescue, relief and rehabilitation operations. Likewise, all other allied departments are actively engaged to work close coordination with Administration and army authorities.

Volunteer Network

There are more than 23000 registered volunteers (Rescue Scouts) trained and registered by Rescue 1122 under Basis Life Support (BLS) training Program in the District Narowal for Flood Relief. They will be called for support in vulnerable areas affected by flood from Control Room of Rescue 1122. Community & Safety Officer of Rescue 1122 will coordinate with volunteers/ Rescue Scouts.

RISK ANALYSIS

1. Potential hazards of the district

Hazards	Likelihood (Score 1-5)	Impact (Score 1-5)	Risk
Floods	4	2	8
Urban Flooding	1	1	1
Flash Floods	-	-	-
Hill Torrent	-	-	-
Glacial Lake Outburst Flood (GLOF)	-	-	-
Landslide	-	-	-
Tornado	-	-	-
Earthquake	-	-	-
Drought	-	-	-
Epidemic	-	-	-
Fire Incidents	2	2	4
Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)	-	-	-
Environmental Hazards (industrial accidents, severe pollution etc.)	-	-	-

Risk = Impact x Likelihood

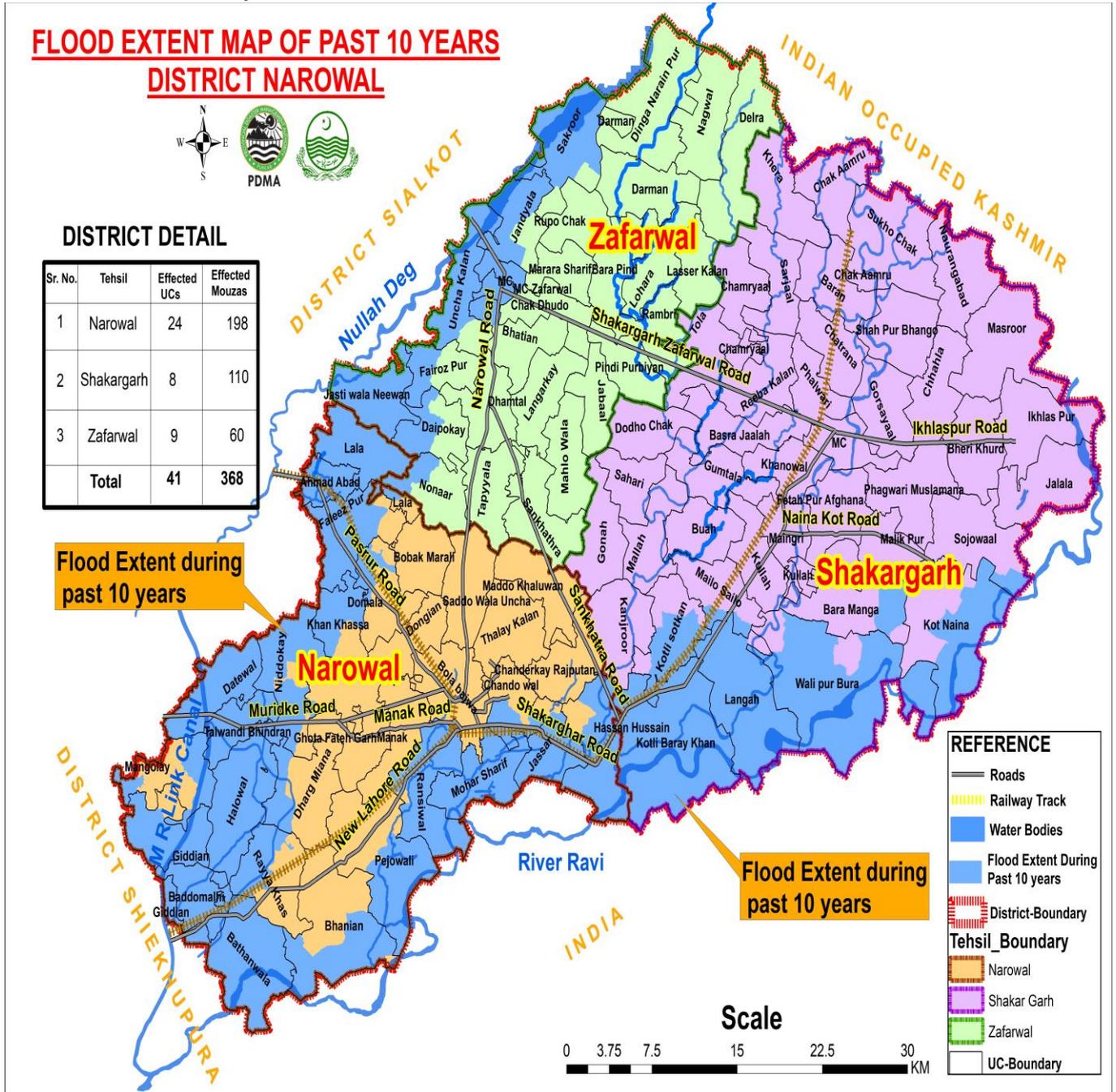
Low : 1-7
 Medium : 8-14
 High : 15-25

2. Hazards

- *Disasters occurred over the past two to three decades and their impact on communities and development sectors*
- *Provide a brief description of the hazards being planned for (medium and high risks), including potential location that could be affected;*
- *Briefly outline the triggers*

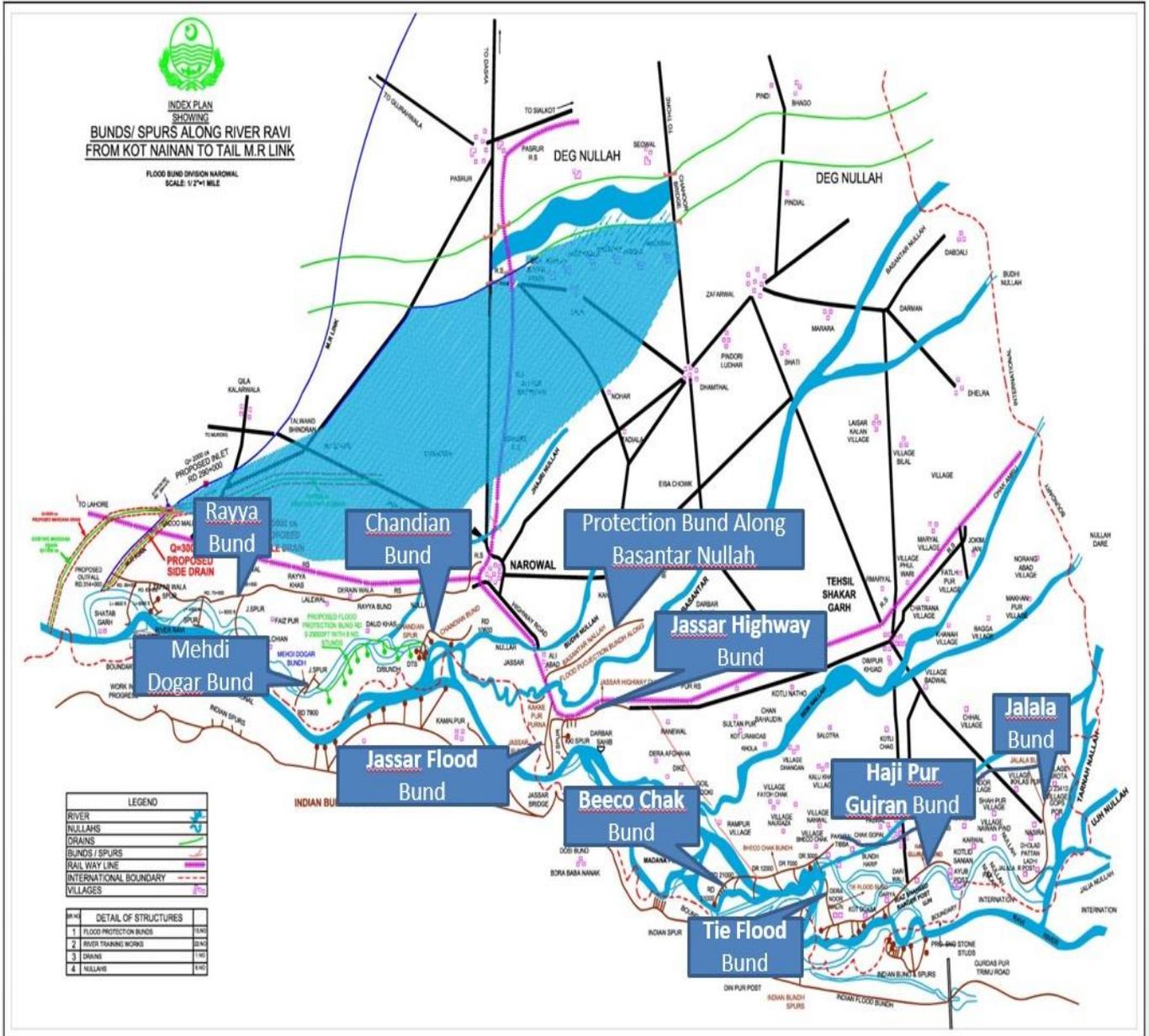
District detail map with vulnerable points including (Rivers, Nullahs, Hill Torrents, Wheat Gowdowns, hazards, planned camps, health facilities, warehouses) etc.

1- Flood Extent Map

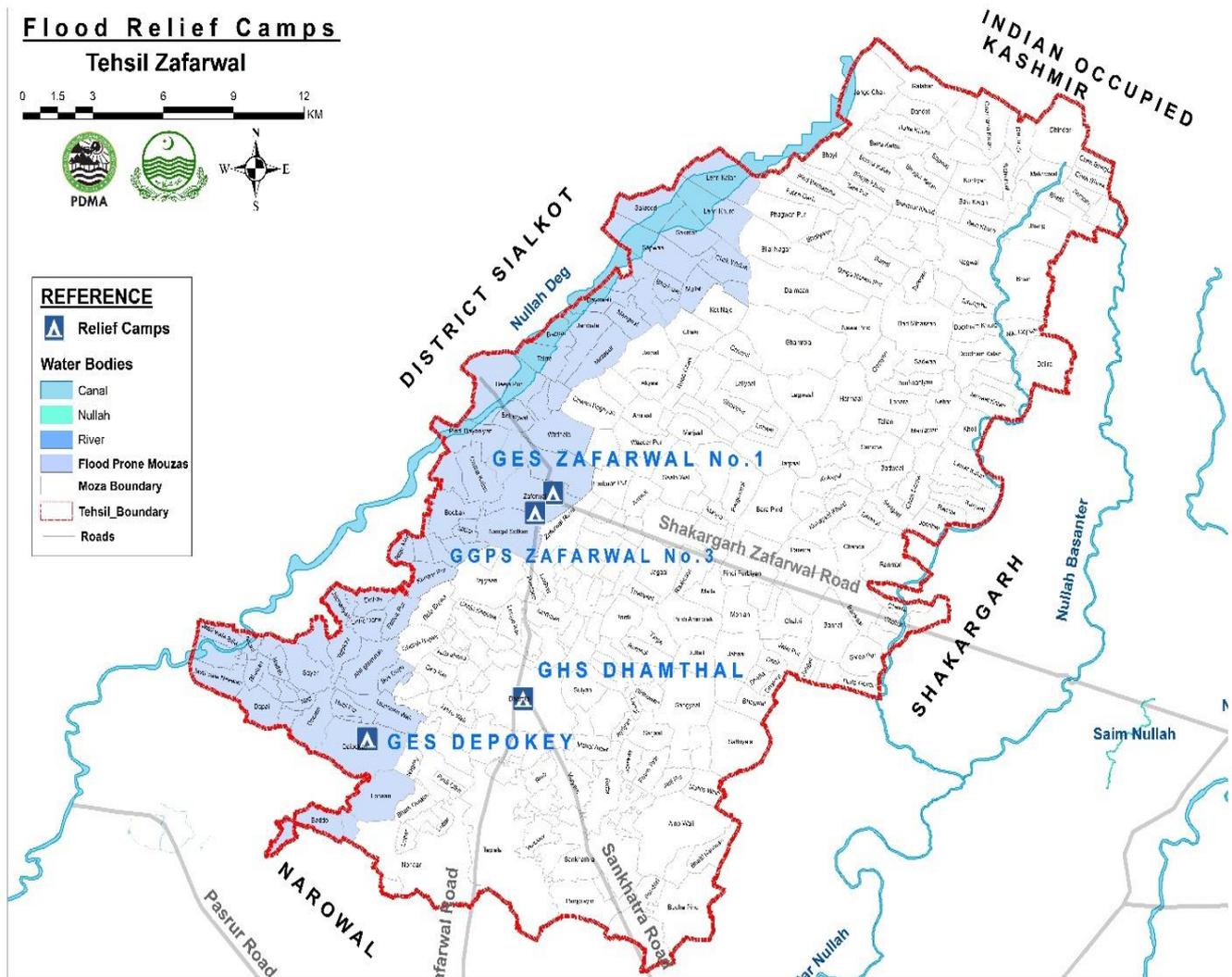


Source: PDMA Narowal

2- DETAILS OF FLOOD PROTECTION BUNDS



5- RELIEF CAMPS AT TEHSIL LEVEL (ZAFARWAL):



3. Response & Operational Capacity

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

District Government has the following response capacities.

1. Rescue 1122
2. Monitoring Control System (in DC Office)
3. 5 Rain fall Gages
4. 5 Warning posts for blowing sirens
5. 5 Water level gauges

4. Strategic Reserves

Items	Available	Functional	Non-Functional	Extra Demand
Boats	24	24	0	
OBM	25	25	0	
De-watering sets	1	1	0	
Navigators	-	-	-	
GIS devices	-	-	-	
Life Jackets	288	288	0	100A, 30C
Life Ring	124	124	0	20
Life Lines	4	4	0	20
Scuba diving suit with complete accessories	4	4	0	
First Aid Kits	90	90	0	
Rescue Bag	5	5	0	
Safety Harnesses	10	10	0	
Ambulances	13	13	0	
Fire Brigade	4	4	0	
Water Tanks / Bouzers	4	4	0	
Extendable Ladders	4	4	0	
Hydraulic Cutter	0	0	0	1
Sonar Rader	0	0	0	
Jumping Sheet	5	5	0	
Dumpers	0	0	0	
Excavators	0	0	0	
Cranes	0	0	0	
Bulldozer	3	3	0	
Boat Carrier/Trolleys	5	5	0	
Pickups/Jeeps/4x4 vehicles/Mini Trucks	90	90	0	
Searchlight	17	17	0	
Tent	1175	1175	0	
Mosquito Net	992	992	0	
Plastic Mat	1504	1504	0	
Blanket	200	200	0	
Lightening Sets with Generator	4	4	0	
Tractor	15	15	0	
Trolly	8	8	0	
Sewer Sucker Machine	1	1	0	
Sewer Jetting Machine	2	2	0	
Floating Rope	10	10	0	
Rain Coat	52	52	0	

5. Gaps and Constraints

- *Briefly outline the capacity gaps in the provision of rescue and response;*
- *Describe major obstacles to providing humanitarian assistance (security, access constraints, administrative obstacles, logistics, etc.)*

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

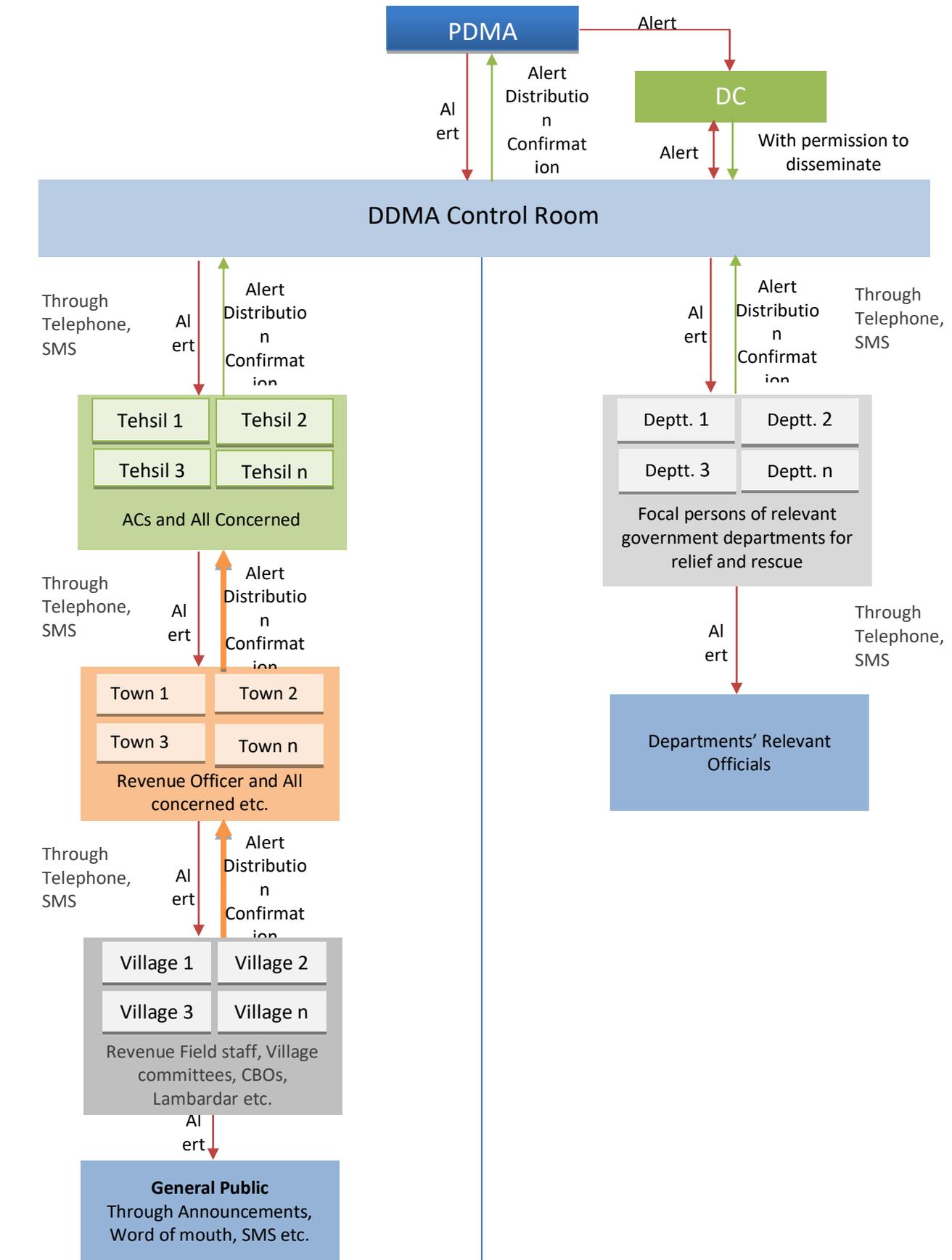
Hazards	Mitigate Actions	Responsible Department
Floods	<p>Pre-Flood To ensure veterinary coverage, prophylactic vaccination to each animal/poultry bird and to adopt appropriate measure to check any endemic or endemic outbreak during flood, including any contagious dilemma. Pre flood vaccination campaign will start wef 15-05-2018 to 14-06-2018. The prompt reporting system will be ensured to convey higher authorities of District. 30% quota of the medicines as per policy guidelines of L&DD Department has been earmarked and required specification of different types of medicines.</p> <p>An awareness campaign regarding different measures to mitigate the impact of flood in River Ravi and Nullah Deik has been conducted by Irrigation and Livestock Dept. Furthermore, Identification of low lying areas, Flood Forecasting and Warning System, Hazards Map, Detail of Flood Relief Centers/ Evacuation Centers has already been complete., Evacuation Procedure and other preventive and precautionary measures etc. has also been premeditated.</p> <p>A Flood evacuation drill/Mock exercise shall be conducted under the supervision of Deputy Commissioner Narowal with the collaboration of all Line Departments before monsoon season.</p>	Rescue 1122 WASA MWMC Civil Defence Health Education Police Army
Urban Flooding	All arrangements regarding Urban flooding has been completed. Low lying areas in all tehsils have already been identified. Co(MC's) have been directed to ensure de-watering of Rain /Flood Water accumulated in case of Flood/ Rain. All the equipments and staff are ready to deal any emergency situation.	Municipal Committies.
Flash Floods		

Hill Torrent		
Glacial Lake Outburst Flood (GLOF)		
Landslide		
Tornado		
Earthquake		
Drought		
Epidemic	Sufficient medicines are available to dealwith any epidemic deseases for both human and livestock.	Health Department & Livestock

<p>Fire Incidents</p>	<p>Rescue 1122 Narowal is successfully dealing fire incidents which may happen in the district . All the Rescue Staff under Supervision of District Emergency Officer is working vigilantly 24/7.</p>	<p>RESCUE 1122</p>
<p>Other Major Accidents (Building Collapse, road traffic accidents, train accident, Stampede, plane crash)</p>	<p>Rescue 1122 Narowal is dealing all routine emergencies and Major incidents like Building Collapse, road traffic accidents, train accident, Stampede, plane crash etc. alongwith collaboration of District managemet, police and Armed Forces.</p>	<p>Rescue 1122 District Administration, Police, Armed Forces.</p>
<p>Environmental Hazards (industrial accidents, severe pollution etc.)</p>		

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

- *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.*

The flood control measures described in this plan shall be put into effect on receipt of Pre-Alert Warning Phase. The entire administrative set up i.e. Machinery, Equipment, and staff of the District Administration and Rescue 1122 shall be immediately mobilized to potential flood prone areas in the district.

HUMANITARIAN ASSISTANCE

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

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

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

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

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

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

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

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

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

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

ANNEX I: IDENTIFIED SITES FOR DISPLACED PERSONS

Sec tor No.	Name of Sector	Sr. No. Camp	Name of Relief Camps & Resource Person	Area of Relief Camp (ft ²)	No. of Rooms in relief camp	Overall Incharge of Relief Camp with Phone No.
1	Maryal, Tehsil Shakargarh	01	G.G.H.S. Maryal (Fazilat Khalid 0300-7771517)	119680	17	Zaheer Ahmed, Tehsildar. 0302-8696796
		02	Govt. Primary School Maryal (Abid Mahmood Khan 0303-4761726)	43520	6	
2	Ikhlaspur, Tehsil Shakargarh (Jalala Bund)	03	Govt. Boys H/S Ikhlaspur (Ch. Aziz Bukhash 0300-7763599),	76160	9	Rana Sarfraz Ahmed NT 0345-7195599
		04	Girls High School Ikhlaspur Tasneem Iqbal 03007137200	41546	11	
		05	GPS, Ikhlaspur (Abdul-ul-Islam (0302- 6619620)	21760	4	
3	Kot Nainan, Tehsil Shakargarh (Haji PurGujran Bund)	06	Govt. Higher Secondary School Kot Nainan (Javaid Manzoor 0300-7772561))	212160	21	Mumtaz Haider Shah, Girdawar Halqa Kot Ninan (0300-7765357),
		07	Girls High School Kot Nainan Mst.Naveeda H.M 03016893533	15912	08	
4	Maingari, Tehsil Shakargarh	08	Govt. Higher Secondary School Maingari Khaild Mahmood Khan (03054224390)	51136	24	Javaid Shahzad Agriculture Officer (0333-8734267)
		09	G.G.H.S. Maingari (Ashia Gudsia 0332-8178821)	144240	22	
		10	GES Maingari (Shahzad Ahmad 03348096949)	32640	14	
5	Baramanga, Tehsil Shakargarh (Bhiko Chak Bund)	11	Govt. Boys High School, Bara Manga (Maqsood Ahmad 0300-6171379)	59840	4	Ghulam Mustafa Naib Tehsildar 0300-7768583
		12	Govt. Girls High School, Bara Manga (Surrya Ghulam Ahmad (03436364653)	5440	10	
		13	Govt. P/S Bara manga (Muhammad Azam 0300- 9853671)	10880	3	
6	Bustan Afghanan, Tehsil	14	Govt. Girls High School Bustan (Nighat Shaheen) 03067773610	5440	11	Muhammad Akram, Agriculture Inspector,

	Shakargarh	15	Boys Primary school Bustan (Muhammad Aslam 0303-5319599)	21760	4	(0307-6114633) (0307-7279485)
7	Kotla Afghanan Plot, Tehsil Shakargarh	16	Govt. Highier Secondary School Kotla Afghanan (Irshad Ahmad (0308-8777324)	223040	15	Muhammad Akram, NT. (0301-6335331)
		17	Govt. Girls E/S Kotla Afghanan (Fozia Afzal 0334-0512996)			
8	Bhajna, Tehsil Shakargarh	18	Govt. High School Bhajna Pervaiz Ahmad 0300-8832038)	72352	15	Anyat Ali, Girdawar, Halqa Baramanga (0307-4743154)
9	Jassar, Teh. Narowal	19	Govt. Girls High School Jassar (Rukhsana Ijaz 0300-7760364	38896	14	Muhammad Arshad, Naib Tehsildar. (0301-6894864)
		20	Govt. Boys H/S, Jassar (Muhammad Younas 0301-6895587)	116960	13	
10	Narowal	21	Govt. College for Boys, Narowal (Muhammad Ashraf 0542-410869)	415344	Under construction 38	Muhammad Asghar Bhatti Incharge Girdawar (0305-6673530)
		22	Govt. High School Narowal (Muhammad Iqbal0304-3193625)	455600		
11	Pejowali, Teh. Narowal	23	Govt. Boys High School, Aurangabad (Rafaqat Beig) 0332=8612470	35360	15. rooms	Muhammad Adil, Agriculture Officer (0314-4505192)
12	Rayya, Teh. Narowal	24	Govt. Boys High School Rayya (Tahir Mahmood 0300-7777957)	116960	11	Basharat Ali Incharge Girdawar (0343-6465500)
		25	GGHS, Rayya (Asifa Khatoon0333-8872354) (Magsood 0344-6523128)	403920	06	
13	Baddomalhi, Teh. Narowal	26	Islamia Degree College Baddomalhi (Jameel Ahmad 0306-6667102) (0542-406047)	56304	13	Iftikhar Ahmad, Agriculture Officer (Ext.) Baddomalhi (0300-3682317)
14	Ahmad Abad, Teh. Narowal	27	Govt. High School QAA (Abdul Manan Butt 0347-6812939)	130560	24	Shahzad Anwar, Naib Tehsildar. (0300-6184452)
		28	GGHSS, Qila Ahmad Abad (Gulzar Fatima Incharge Principal 03446518954	97920	37	
15	Talwandi Bhindran, Teh. Narowal	29	Govt. Boys High School Talwandi (Khalid Mahmood 0335-4655737)	295120	14	Abdul Razzaq, Naib Tehsildar. (0302-6925157)
		30	GGHS, Talwandi Bindran(Shahzia Kalsoom 0333-4655366)	35360	18	
16	Zafarwal	31	Govt. Elementary School No.01 Zafarwal (R/Person Irshad Ahmad 0334-9363908)	19241	08	Abdul Hayee Tehsildar Zafarwal 0302-6661548
		32	Govt. Elementary School No.3 (Almaroof Khajoor wala)	32400	05	

			(R/person) HM Uzma Zunaira 0306-7171833			
17	Dhamthal	33	Govt. High School Dhamthal (R/Person Munir Ahmad 0302- 4412405	43560	15	Faisal Nadeem, Naib Tehsildar. (0300-8346710)
		34	Govt. Elementary School, Depokay. Naseem-ul- H.M 0333-5497727	11968	06	

SOURCE: CEO(DEA), NAROWAL

Annex II: List of hazard prone villages/ Revenue Estate (NAMES REquired)

Hazards	Tehsils	UCs	Names of Revenue Estates	Names of Villages
Floods	-	-	-	-
Urban Flooding	Shakargarh	-	Shakargarh I,II	-
Flash Floods	-	-	-	-
Hill Torrent	-	-	-	-
Tornado	-	-	-	-
Earthquake	-	-	-	-

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 Ahmed Abad	32.233025 74.76138	Primary, Secondary, Tertiary	Dr.Ali Raza 03338224225	Floods
2	RHC Badomalhi	31.983229 74.663193	Primary, Secondary, Tertiary	Dr.Bua Ali 03337380931	Floods
3	BHU Talwandi Bhinderan	32.103404 74.695956	Primary, Secondary, Tertiary	Dr.Muhamad Asif 03004447544	Floods
4	BHU Pejowali	32.041382 74.804012	Primary, Secondary, Tertiary	Dr.Zahra Noor 03204835679	Floods
5	BHU Qiam Pur	32.2181751 74.7035737	Primary, Secondary, Tertiary	Dr.Iqra Zahid 03084642296	Floods
6	BHU Dhamthal	32.2650697 74.9048284	Primary, Secondary, Tertiary	Dr.Sidara Azam 03035235753	Floods
7	RHC Zafarwal	32.3542923 75.059107	Primary, Secondary, Tertiary	Dr.Abu Zar Ghafari 03214448693	Floods
8	BHU Dera Afghana	32.112289 75.038124	Primary, Secondary, Tertiary	Mr.Muhammad Boota 03006708316	Floods
9	BHU Bara Manga	32.1618338 75.1644391	Primary, Secondary, Tertiary	Dr.Umar Iqbal 03244538415	Floods
10	RHC Kot Naina	32.1872457 75.2454688	Primary, Secondary, Tertiary	Dr.Saima Muneer 03341490765	Floods
11	BHU Ikhlas Pur	32.2561783 75.301865	Primary, Secondary, Tertiary	Dr.Jamiha Khursheed 03350040789	Floods
12	BHU Derianwala	32.02888 74.785763	Primary, Secondary, Tertiary	Dr.Maleeha Ilyas 03214677494	Floods
13	GRD Maingri	32.203583 75.128127	Primary, Secondary, Tertiary	Dr.Salman Razzaq 03421299988	Floods

ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

S#	Name	Institute Type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
1	GGPS Naki Jattan	Primary	32°11'06.8"N 75°12'18.6"E	233	Khalida Parveen	0300-7771476
2	GGPS Jhanda	Primary	32°12'46.0"N 75°16'26.9"E	76	Shaheen Kousar	0307-6360539
3	GPS Narang Wali	Primary	32°12'50.2"N 74°45'35.5"E	71	Abbas Ali	0344-4721213
4	GGHSS Maryal	Higher Secondary	32°19'22.5"N 75°10'09.9"E	730	Fazeelat Khalid	0300-7771517
5	GHSS Daud	Higher Secondary	32°01'09.1"N 74°48'09.2"E	264	Abdul Majeed	0301-4370372
6	GHS Zafarwal	High	32°20'31.8"N 74°54'19.4"E	1573	Mian Muhammad Jameel	0301-4276968
7	GPS Mandiala	Primary	32°10'57.1"N 74°59'11.8"E	48	Abdul Hameed	0301-6337023
8	GPS Noshehra	Primary	32°08'28.2"N 75°10'25.3"E	140	Muhammad Iqbal	0307-6143350
9	GHS Ahmadabad	High	32°13'43.5"N 74°45'36.4"E	1177	Mannan Butt	0347-6812939
10	GPS Kakkay Kay	Primary	32°04'21.3"N 74°58'48.5"E	56	Punjab Education Foundation	Zahid AEO, Narowal 0300-7760726
11	GGPS Kakkay Kay	Primary	32°04'28.9"N 74°58'37.4"E	111	Nighat Fardoos	0347-6760173
12	GGPS Hubi Pur	Primary	32°16'20.5"N 74°49'17.5"E	254	Bushra Bashir	0345-6316256
13	GGHS Pejowali	High	32°02'42.9"N 74°48'41.7"E	148	Riffat Mehmood	0336-1417540
14	G. Isl. H/S Baddomalhi	High	31°59'37.4"N 74°39'45.2"E	668	Mati Ur Rehman	0333-4253476
15	GPS Dhapaie	Primary	32°13'48.2"N 74°49'39.2"E	140	Arshad Mehmood	0340-3384931
16	GES Zafarwal	Elementary	32°20'37.4"N 74°54'22.1"E	517	Irshad Ahmed	0334-9363908
17	GPS No. 1 Zafarwal	Primary	32°20'43.6"N 74°54'08.7"E	120	Javed Iqbal	0333-8721013
18	GPS No. 2 Zafarwal	Primary	32°20'39.7"N 74°54'11.9"E	18	Muhammad Nawaz	0346-6674697
19	GES Budha Pind	Elementary	32°12'30.9"N 74°57'09.0"E	310	Ghulam Mustafa	0305-6258294
20	GPS Haibat Pur	Primary	32°19'27.0"N 74°52'03.1"E	68	Muhammad Asghar	0306-6614194
21	GPS Panwan	Primary	32°06'33.5"N 75°01'55.2"E	40	Punjab Education Foundation.	Moazam AEO. 0306-0674760
22	GPS Lakra	Primary	32°06'48.1"N 75°01'44.6"E	27	Punjab Education Foundation.	Moazam AEO. 0306-0674760
23	GPS Kapoor Dev	Primary	32°07'41.8"N 75°00'11.4"E	38	Rehman Sabir	0300-7130998

S#	Name	Institute Type (School, College etc.)	GPS Coordinates	Enrolment	Incharge Name	Contact Number
24	GPS Qila Waraich	Primary	32°06'20.7"N 75°00'43.5"E	102	Muhammad Sadiq	0345-6661141
25	GGES Haibat Pur	Elementary	32°19'27.0"N 74°52'03.1"E	263	Irshad Begum	0334-8121065
26	GGES Uncha Kalan	Elementary	32°20'49.3"N 74°52'36.8"E	234	Maqbool Ahmed	0333-8772344
27	GGPS Fasi Pur	Primary	32°04'26.7"N 74°55'27.2"E	64	Toqeer Fatima	0336-7159361
28	GPS Kot Doaba	Primary	32°04'23.1"N 74°55'53.1"E	70	Mehwash Farooqi	0305-6226155

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 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	National Rural Development Programme Narowal	Local	City Narowal	Health	Mirza muqem Baig	0542-413085
2	QUID-E-AZAM, SOCIAL WELFARE SOCIETY, RATTIAN P/O TALWANDI BHIDRAN TEHSIL & DISTT NAROWAL.	Local	Tlawandi Bhindra Tehsil & District Narowal	EDUCATION	LIAQAT ALI	0332-8698156
3	PAK SAINT JAAN WELFARE SOCIETY (PSJWS) QILA AHMAD ABAD, NAROWAL	Local	Ahmad Abad Tehsil & district Narowal	EDUCATION	AMJAD JAVAID	0347-8898810
4	Bubak Welfare Society	Local	City Narowal	Education	Ghulam	0542-

	Eid Gah Road Narowal				Serwer	412917
5	Community Development Anti TB Programme Shakargarh	Local	City Shakergarh	Health	Tariq Iqbal	0300-7762723
6	Community Development Society Dulam	Local	Dhulam Tehsil District Narowal	Education	Javaid Neno	0542-412986
7	Community Development Organization Phalwari	Local	Phalwari Tehsil Shakergarh	Health	Abid Ali	0300-4149828
8	Dehati Falahi Foundation Rangra	Local	Rnagra tehsil Shakergarh	Education	Muhammad Aslam	0542-430284
9	Help & Development Organization Shakargarh	Local	City shakergarh	Education	Haji Muhammad Sarwar	0300-7772394
10	Islahi Council Thilay Kalaan	Local	Thiley Kalan Tehsil Narowal	Health	Muhammad Younis	0542-433181
11	Lodge Social Welfare Society Baddo Malhi	Local	BadhoMalhi Tehsil & District	Health	Tanveer Ahmad	0542-406863
12	Rural Education Foundation Narowal	Local	City Narowal	Education	Nisaar Ahmad	0542-411977
13	YOUTH WELFARE SOCIETY ANTOWALI SHAKARGARH	Local	ANTOWALI Tehsil Shakargarh District Narowal	Health	ASHFAQ TAJ	0323-3990000 0542-430222
14	Social Welfare Society Merowala	Local	Merowala Tehsil & District Narowal	Health	Rana Muhammad Abdullah	0308-6337840
15	Social Welfare Society Dhing	Local	Dhing Tehsil & District Narowal	Health	Muhammad Anwer	0542-413668
16	National Development Foundation Narowal	Local	City Narowal	Health	Dr Ijaz Ahmad	0345-6664989
17	Women Development Prograam Narowal	Local	City Narowal	Health	Nadeem Akhtar	0300-3431687
18	Narowal Health Education Welfare Society Narowal	Local	City Narowal	Health	Dr Khalid Sadique	0300-7768478
19	GOLDEN STAR SOCIAL WELFARE FOUNDATION AHMADABD	Local	Ahmad Abad	Health	ADNAN BUTT	0345-6887672
20	RS Welfare Foundation Zafarwal	Local	City Zafarwal	Education	Tanveer Hussain	0345-8432151

ANNEX VII: CONTACT LIST OF MAIN STAKEHOLDERS / DEPARTMENTS

S#	Designation	Person Name	Telephone (Office)	Telephone (Residential)	Mobile
1	Focal Person for Disasters				
2	Commissioner	Syed Gulzar Hussain Shah	055-9201326	055-9200165	0304-0920051
3	RPO	Riaz Nazeer Ghara	055-9200604	055-9200603	0300-9407720
4	DC	Mr. Shahid Zaman Lak	0542- 920010-20	0542-920121-22	0304-0920067
5	DPO	Mr. Zulifqar Ahmed	0542-412800	0542-920200	0300-9418025
6	ADC (R)	Dr. Faisal Saleem	0542-920063	-	0333-6769409
7	ADC(G)	M. Hanif	0542-920015	-	0300-8031963
8	DEO Rescue 1122	M. Adnan Nawaz	0542-413732	0542-413733	0333-8646254
9	Civil Defence Officer	Asim Wahla	0542-920047	-	0345-6669224
10	SNA	Hafiz Zaheer Ahmed	0542-920014	-	0332-4823975
11	AC Narowal	Omer Iftikhar Shehrazai	0542-920022	-	0346-6649994
12	AC Zafarwal	Muhammad Usman Akram	0542-538125	-	0333-4652719
16	AC Shakargarh	Waqas Akbar	0542-450474	-	0331-6536558
17	Tehsildar - Narowal	Rai Hussain Nawaz	-	-	0305-6457800
18	Tehsildar - Shakargarh	Zaheer Ahmed	-	-	0302-8696796
22	Tehsildar – Zafarwal	Abdul Hai Bhatti	-	-	0302-6661548
23	Chief Officer MC Narowal	Pervaiz Akhtar	0542-412244	-	0335-4750553
24	Chief Officer MC Shakargarh	Muhammad Naseer	0542-451695	-	0300-4417912
28	Chief Officer MC Zafarwal	Shehbaz Bashir	0542-538213	-	0301-6898121
29	CEO (DEA) Narowal	Mian Jameel	0542-470033	-	0335-4407552
30	XEN Irrigation	Zeeshan Ali	0542-920090	-	03234443607
31	XEN Buildings	M. Sami Ullah	0542-920173	-	0300-2555123
32	XEN Highways	Awais Nazir	0542-920199	-	0334-4244184
33	Deputy Director Agriculture (Ext.)	Tanveer Ahmed	0542-412379	-	0333-8725780
34	CEO (DHA), Narowal	Dr. Hafiz Muhammad Khalid	0542-411714	-	0300-8714856
35	DMO (Addl. Charge)	Omer Iftikhar Shehrazai (AC, Narowal)	0542-412244	-	0346-6649994
36	MS DHQ Hospital	Dr. M. Latif Afzal	0542-920119	-	0300-7777040
37	Addl. Director, Livestock	Dr. Nusrat Parveen	0542-920157	-	0336-7439699

ANNEX VIII (A): LIST OF VOLUNTEERS

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1.	Muhammad Waqas	34501-1393499-5	Zafarwal	3035081434		30 Min
2.	Safyan Ahmed	34503-0406951-1	Zafarwal	3480488605		30 Min
3.	Ghulam Mustafa	34602-0680405-1	Zafarwal	3059142048		30 Min
4.	Muhammad Shahzad	34501-8654873-1	Zafarwal	3319678556		30 Min
5.	Atif Shahzad	34503-0350184-1	Zafarwal	3364409007		30 Min
6.	Ali Usman	34501-1733504-1	Zafarwal	3248730755		30 Min
7.	Muhammad Suhail	34501-2878208-9	Zafarwal	3237773061		30 Min
8.	Zafar Iqbal	34502-2847456-9	Zafarwal	3006148373		30 Min
9.	Fareed Ali	34502-6663901-5	Zafarwal	3016310840		30 Min
10.	Ahsan U Ilah	34501-0782892-9	Narowal	3217762602		30 Min
11.	Muhammad Nabeel	34501-5860738-3	Narowal	3040420866		30 Min
12.	Azmaksd Maseeh	34602-7065773-1	Narowal	3007155931		30 Min
13.	Khalid Mehmood	34501-1698412-3	Narowal	3436363411		30 Min
14.	Arshad Mehmood	34501-7917490-9	Narowal	3466626347		30 Min
15.	Shakeel Ahmed	34501-1955392-7	Narowal	3214948035		30 Min
16.	Abdul Rehman	34501-6555638-3	Narowal	3324369251		30 Min
17.	Muhammad Sadique	34501-1935121-9	Narowal	3324315198		30 Min
18.	Qaleem Maseeh	34501-1823787-5	Narowal	3007157943		30 Min
19.	Farooq Tabesam	34502-7071701-9	Shakargarh	3007776126		30 Min
20.	Shazia Murad Ali	34502-8672229-8	Shakargarh	3036919846		30 Min
21.	Qamar U Inisa	34502-5911697-6	Shakargarh	3064203817		30 Min
22.	Shameem Akhter	34502-1558455-6	Shakargarh	3034767066		30 Min
23.	Arslan Ahmed	34502-5172425-1	Shakargarh	3091606285		30 Min
24.	Muhammad Shuaib	34502-3777723-7	Shakargarh	3059175615		30 Min
25.	Fazan Ali	34502-7125432-1	Shakargarh	3066266835		30 Min
26.	Hammad Ali	34502-6125751-1	Shakargarh	3033283130		30 Min
27.	Muhammad Mohsin	34502-1556425-1	Shakargarh	3021500425		30 Min
28.	Jawad Ahmed	34503-0397274-5	Shakargarh	3077570271		30 Min
29.	Khashta Rehman	15502-0629487-9	Shakargarh	3007771891		30 Min
30.	Muhammad Waseem	34502-7622249-1	Shakargarh	3086276152		30 Min
31.	Mohsin Ali	34502-1559824-9	Shakargarh	3046272254		30 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
32.	Azhar Qauom	34502-9969176-1	Shakargarh	3026695722		30 Min
33.	Muhammad Bilal	34502-5531660-3	Shakargarh	3016367425		30 Min
34.	Muhammad Tayyab	34502-3609784-7	Shakargarh	3018837060		30 Min
35.	Rizwan	34502-8705422-9	Shakargarh	3094822413		30 Min
36.	Muhammad Awais	34502-7514682-3	Shakargarh	3127741438		30 Min
37.	Zafar Iqbal	34502-7993939-3	Shakargarh	3016190400		30 Min
38.	Nabeel Butt	34502-1672425-1	Shakargarh	3096235921		30 Min
39.	waqar Younas	34501-6165472-1	Maddo Kahlawan	3007131340		15 Min
40.	Muhammad Jameel	34501-6491424-1	Maddo Kahlawan	3466276804		15 Min
41.	Khalid Hussain	34501-6278846-7	Maddo Kahlawan	3454121111		15 Min
42.	Muhammad Rafeeq	34501-1960376-7	Maddo Kahlawan	3493888621		15 Min
43.	Orang Zaib	34501-2022494-7	Maddo Kahlawan	3066653719		15 Min
44.	Mushtaq Ahmed	34501-1942710-9	Maddo Kahlawan	3416719926		15 Min
45.	Alegzander Ashraf	34501-2401557-7	Maddo Kahlawan	3456678152		15 Min
46.	Shoaib Nasir	34501-2019378-3	Maddo Kahlawan	3456718045		15 Min
47.	Waqar Younas	34501-0932760-9	Maddo Kahlawan	3456770233		15 Min
48.	Muhammad Zia	34501-7296104-1	Maddo Kahlawan	3448728786		15 Min
49.	Qashif Farooq	34501-1847592-9	Maddo Kahlawan	3073362164		15 Min
50.	Amir Shahbaz	34602-1365402-3	Nidoke	3008007470		20 Min
51.	Muhammad Iqbal	34501-1933763-3	Nidoke	3003470290		20 Min
52.	Muhmmad Sajjad	34501-7036167-5	Nidoke	3456850337		20 Min
53.	Sakhawat Ali	34501-2031830-1	Nidoke	3007777237		20 Min
54.	Rashid Ali	34501-3360458-7	Nidoke	3328865986		20 Min
55.	Muhammad Abas	34501-6861241-7	Nidoke	3450458669		20 Min
56.	Asrar Ahmed	34501-4673322-1	Nidoke	3446463710		20 Min
57.	Iftakhar Ahmed	34501-4951372-7	Nidoke	3064862515		20 Min
58.	Tariq Javid	34501-0149789-9	Nidoke	3048608391		20 Min
59.	zain Sarfraz	34501-4909970-1	Nidoke	3076335180		20 Min
60.	Muhammad Akram	34501-7258829-7	Nidoke	3016899677		20 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
61.	Muhammad Anwar	34501-1045250-7	SADDOWALA	3337771794		10 Min
62.	Arshad Ali	34501-1956178-9	SADDOWALA	3456840804		10 Min
63.	Mubeen Ahsin	34501-0829456-5	SADDOWALA	3416460016		10 Min
64.	Muhammad Jameel	34501-1914983-1	SADDOWALA	3007760960		10 Min
65.	Imran Ali	34501-8541220-3	SADDOWALA	3338815092		10 Min
66.	Iram Rasheed	34501-0654760-8	SADDOWALA	3466796573		10 Min
67.	Muhammd Aleem	34501-1706701-3	SADDOWALA	3217156729		10 Min
68.	Muhammd Ashraf	34501-1997991-3	SADDOWALA	3217768021		10 Min
69.	Allah Rakha	34501-2010752-9	SADDOWALA	3471292374		10 Min
70.	Muhammad Arshad	34501-3832684-7	SADDOWALA	3456328174		10 Min
71.	Musaab Ali	34501-6047083-1	SADDOWALA	3225350836		10 Min
72.	Muhammad Asif	34501-1912260-3	SADDOWALA	3016360560		10 Min
73.	Muratib Ali	34501-1911897-7	SADDOWALA	3016364417		10 Min
74.	Munawer Hussain	34501-3138971-5	SADDOWALA	3007764804		10 Min
75.	Safder Ali	34501-0120741-1	SADDOWALA	3007722555		10 Min
76.	Abid Hussain	34501-1960071-5	SADDOWALA	3013080494		10 Min
77.	Karamat Ali	34501-2008938-1	SADDOWALA	3367271086		10 Min
78.	Muhammad Ashraf	34501-1961759-5	SADDOWALA	3416457127		10 Min
79.	Muhammad Tahir	34501-3743410-9	PAKHOKE	3007132416		12 Min
80.	Muhammas Alyas	34502-5655524-1	PAKHOKE	3007732425		12 Min
81.	Muhammad Akram	34501-7643359-3	PAKHOKE	3406143480		12 Min
82.	Ashiq Ali	34501-7975558-1	PAKHOKE	3446451507		12 Min
83.	Muhammad Aslam	34501-1987664-3	PAKHOKE	3456674920		12 Min
84.	Shahid Mehmood	34501-1994288-3	PAKHOKE	3454190016		12 Min
85.	Mohsin Ishaq	34501-5971951-9	PAKHOKE	3431489691		12 Min
86.	Tariq Mehmood	34501-2812284-5	PAKHOKE	3461659663		12 Min
87.	Shahid Pervaiz	34501-7633262-3	PAKHOKE	3026326954		12 Min
88.	Muhammad Ameen	34501-4623805-3	PAKHOKE	3066362737		12 Min
89.	Zia U Lrehman	34501-9924306-1	PAKHOKE	3416482508		12 Min
90.	Khuram Jahanzaib	35202-9542617-1	PAKHOKE	3338677922		12 Min
91.	Muhammad Shoaib	34501-4269389-3	PAKHOKE	3426837720		12 Min
92.	Qamar u Zaman	34501-3669396-7	Narowal	3337378007		10 Min
93.	Dilawar Hussain	34501-1913167-9	Narowal	3077267694		10 Min
94.	Muhammad Ayaaz	34501-2044683-1	Narowal	3436140077		10 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
95.	Abdul Razaq	34501-1940662-5	Narowal	3076368644		10 Min
96.	Muhammad Zubair	34501-1972719-1	Narowal	3338764799		10 Min
97.	Tahir Hussain	34501-2036241-5	Narowal	3466660717		10 Min
98.	Abdul Waheed	34501-2941574-1	Narowal	3016334774		10 Min
99.	Muhammad Nadeem	34501-7405817-9	Narowal	3040612206		10 Min
100	Naseer Ahmed	34501-2032767-9	Narowal	3338873129		10 Min
101	Khalid Hussain	34501-1972849-3	Narowal	3416674866		10 Min
102	Mushtaq Ahmed	34501-6984108-5	Narowal	3217765013		10 Min
103	Muhammad Afzal	34501-5996132-7	Narowal	3323717817		10 Min
104	Muhammad Nawaz	34501-0888286-3	Narowal	3016330162		10 Min
105	Khalid Mehmood	34501-4359968-7	Narowal	3026331828		10 Min
106	Aqeel Haider	34501-5210872-1	Narowal	3002100814		10 Min
107	Abdul Lateef	34501-1964578-3	Narowal	3007760730		10 Min
108	Wali Ahmed	34501-4105235-1	Narowal	3016899252		10 Min
109	Sajjad Ahmed	34501-2629454-7	Narowal	3456669370		10 Min
110	Abdul Ghafar	34501-1994663-9	Narowal	3456817304		10 Min
111	Ahsan Raza	34501-1725475-1	BADOMALI	3478432216		10 Min
112	Umer Farooq	34501-1751425-5	BADOMALI	3484746446		10 Min
113	Tuqeer Ahmed	34501-6730141-5	BADOMALI	3425309078		10 Min
114	Muhammad Bilal	34501-6156295-4	BADOMALI	3426492584		10 Min
115	Muhamamd Qasim	34501-9066603-9	BADOMALI	3431540723		10 Min
116	Muhammad Usman	34501-1992258-9	BADOMALI	3337378517		10 Min
117	Muhammad Nazim	34501-6156287-3	BADOMALI	3246487984		10 Min
118	Muhamamd Jawad	34501-0575724-5	BADOMALI	3460586632		10 Min
119	Muhammad Farooq	34501-6421329-9	BADOMALI	3335342315		10 Min
120	Yousaf Shahid	34501-9687261-1	BADOMALI	3437447373		10 Min
121	Khalil Ahmed	34501-4863435-3	BADOMALI	3431425775		10 Min
122	Naseer Khokhar	34501-1907983-7	BADOMALI	3474601683		10 Min
123	Muhammad Tanveer	34501-2864545-5	BADOMALI	3441457896		10 Min
124	Imtiaz Ali	34501-9853519-3	BADOMALI	3434736201		10 Min
125	Sadique Maseeh	34501-4895305-5	BADOMALI	3364618598		10 Min
126	Muhammad Sakhee	34501-9657261-4	BADOMALI	3367410742		10 Min
127	Azaad Khalid	34501-1999077-3	BADOMALI	3318730639		10 Min
128	Imran Haider	34501-2025552-7	BADOMALI	3466696105		10 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
129	Shahbaz Maseeh	34501-6272256-3	BADOMALI	3416737067		10 Min
130	Noshaad Yousaf	34501-5953590-7	BADOMALI	3446465799		10 Min
131	Azim Ali	34501-6196297-3	BADOMALI	3446531104		10 Min
132	Ali Fazal	34501-4226510-9	BADOMALI	3488784740		10 Min
133	Muhammad Jamshaid	34501-8623626-9	BADOMALI	3488727795		10 Min
134	Muhammad Qasim	34501-6125297-1	BADOMALI	3314760186		10 Min
135	Muhammad Akbar	34501-4661922-9	BADOMALI	3498775964		10 Min
136	Zain Ali	34501-6195266-3	BADOMALI	3434276158		10 Min
137	Abdul Jabar	34501-6655297-3	BADOMALI	3019682257		10 Min
138	Waheed Shahzad	34501-1432979-9	BADOMALI	3470634699		10 Min
139	Muhammad Adnan	34501-5572749-9	BHANIYAN	3456133512		10 Min
140	Sattar Maseeh	34501-2047284-9	BHANIYAN	3157924921		10 Min
141	Iftakhar Ahmed	34501-5125752-1	BHANIYAN	3003671638		10 Min
142	Muhammad Nazir	34501-4865893-9	BHANIYAN	3034798101		10 Min
143	Muhammad Shahbaz	34501-0954246-7	BHANIYAN	3034798101		10 Min
144	Asif Ali	34405-0559549-7	BHANIYAN	3416213932		10 Min
145	Ali Raza	34501-7725884-3	BHANIYAN	3064002230		10 Min
146	Qasir Ali	34501-6656495-3	BHANIYAN	3084573832		10 Min
147	Amir Shahzad	35202-9879618-5	BHANIYAN	3415632425		10 Min
148	Muhsin Raza	34501-3128468-5	BHANIYAN	3064531858		10 Min
149	Muhammad Bilal	34501-5155432-1	BHANIYAN	3085275308		10 Min
150	Muhammad Ramzan	34501-8976496-3	BHANIYAN	3085275308		10 Min
151	Sakhawat Ali	34501-3349499-3	BHANIYAN	3004864391		10 Min
152	Muhammad Yaseen	34501-8783746-7	BHANIYAN	3007517379		10 Min
153	Sajjad Ali	34501-1575848-3	BHANIYAN	3007768369		10 Min
154	Muhammad Riyaz	34502-0616267-7	BHANIYAN	30049281217		10 Min
155	Qaisar Ali	34501-3217799-1	BOLA BAJWA	3414600494		15 Min
156	Muhammad Asghr	34501-9680425-7	BOLA BAJWA	3450401334		15 Min
157	Mehmood Ahmed	34501-5726446-1	BOLA BAJWA	3014157492		15 Min
158	Muhammad Anwer	34501-2044744-7	BOLA BAJWA	3348125181		15 Min
159	Nazir Ahmed	34501-1953954-1	BOLA BAJWA	3041484713		15 Min
160	Muhammad Naeem	34501-6624755-2	BOLA BAJWA	3237730650		15 Min
161	Muhammad Server	34501-1348679-7	BOLA BAJWA	3007152056		15 Min
162	Muhammad Irfan	34501-3004429-1	BOLA BAJWA	3026131128		15 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
163	Haider Ali	34501-1923565-9	BOLA BAJWA	3445832658		15 Min
164	Manzoor Ahmed	34501-9261544-3	BOLA BAJWA	3071113416		15 Min
165	Javid Iqbal	34501-2652462-2	BOLA BAJWA	3466921776		15 Min
166	Zulifqar Ali	34501-8741905-7	BOLA BAJWA	3445440625		15 Min
167	Muhammad Shahbaz	34501-4386434-5	BOLA BAJWA	3353070500		15 Min
168	Usman Ishaq	34502-2936680-7	CHANDERKE RAJPUTAN	3076972535		15 Min
169	Sabir Ali	34501-7151275-2	CHANDERKE RAJPUTAN	3037023170		15 Min
170	Muhammad Arif	34501-0243750-1	CHANDERKE RAJPUTAN	3437263290		15 Min
171	Nafees Rafeeh	34501-7005495-7	CHANDERKE RAJPUTAN	3033287246		15 Min
172	Muhammad Zahid	34501-5152700-1	CHANDERKE RAJPUTAN	3484097343		15 Min
173	Atif Ali	34501-1158729-9	CHANDERKE RAJPUTAN	3337379007		15 Min
174	Muhammad Naeem	34501-2405539-9	CHANDERKE RAJPUTAN	3014817963		15 Min
175	Tasediq Hussain	34501-6172757-1	CHANDERKE RAJPUTAN	3054274729		15 Min
176	Allah Rakha	34501-8837143-1	CHANDERKE RAJPUTAN	3004648102		15 Min
177	Naveed Asghar	34501-8436606-1	CHANDERKE RAJPUTAN	3464100322		15 Min
178	Muhammad Sajjad	34501-5705453-5	CHANDERKE RAJPUTAN	3016606035		15 Min
179	Abdul Majeed	34501-8894022-1	CHANDERKE RAJPUTAN	3096028545		15 Min
180	Muhammad rizwan	34501-0240985-1	CHANDERKE RAJPUTAN	3068577597		15 Min
181	Muhammad Sandheer	34501-9769079-1	CHANDERKE RAJPUTAN	3404670242		15 Min
182	Muhammad Arshad	34501-1558455-1	CHANDERKE RAJPUTAN	3354059735		15 Min
183	Abu Huraera	34501-5175725-1	CHANDERKE RAJPUTAN	3013173890		15 Min
184	Rashid Ali	34501-1923753-9	CHANDERKE RAJPUTAN	3157760451		15 Min
185	Muhammad Asim	34501-4920715-1	CHANDERKE RAJPUTAN	3156515425		15 Min
186	Munawer Hussain	34501-1913235-3	CHANDERKE RAJPUTAN	3400477984		15 Min
187	Muhammad Imran	34501-6775291-9	CHANDERKE RAJPUTAN	3067987092		15 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
188	Saqib Ali	34501-7182454-1	CHANDERKE RAJPUTAN	3064721844		15 Min
189	Muhammad Atif	34501-6791455-2	CHANDERKE RAJPUTAN	3086227650		15 Min
190	Muhammad Adnan	34501-9172267-1	CHANDERKE RAJPUTAN	3068423809		15 Min
191	AdnanHaider	34501-9152467-1	CHANDERKE RAJPUTAN	3089235224		15 Min
192	Muhammad Naveed	34501-9175265-2	CHANDERKE RAJPUTAN	3045926507		15 Min
193	Muhammad Irfan	34501-1978861-9	CHANDERKE RAJPUTAN	3005041513		15 Min
194	Shawaiz	34501-6004163-9	CHANDERKE RAJPUTAN	3055356275		15 Min
195	Muhammad Imran	34501-1751465-2	CHANDOWAL KALAN	3054142425		10 Min
196	Muhammad Yaseen	34501-5275426-2	CHANDOWAL KALAN	3014012453		10 Min
197	Adeel Ahmed	34501-6755499-1	CHANDOWAL KALAN	3466182212		10 Min
198	Irfan Bhati	34501-6768494-2	CHANDOWAL KALAN	3404114911		10 Min
199	Muhammad Qasir	34501-5897488-1	CHANDOWAL KALAN	3466928958		10 Min
200	Muhammad Ramzan	34501-6722457-1	CHANDOWAL KALAN	3474931295		10 Min
201	Misbah u Irehman	34501-3283122-5	CHANDOWAL KALAN	3484689801		10 Min
202	Muhammad Anwar	34501-5399992-5	CHANDOWAL KALAN	3034168352		10 Min
203	Muhammad Razaq	34501-1986559-1	CHANDOWAL KALAN	3436474528		10 Min
204	Sobia	34502-2659159-4	CHANDOWAL KALAN	3456722469		10 Min
205	Muhammad Naveed	34501-6775207-1	CHANDOWAL KALAN	3442226366		10 Min
206	Muhammad Usman	34501-6816422-1	CHANDOWAL KALAN	3068420912		10 Min
207	Muhammad Ramzan	34501-2032761-7	CHANDOWAL KALAN	3216931536		10 Min
208	Muhammad Ramzan	34501-0409035-9	CHANDOWAL KALAN	3344123553		10 Min
209	Muhammad Sadique	34501-2202698-5	CHANDOWAL KALAN	3237715774		10 Min
210	Muhammad Anwar	34501-9375737-7	CHANDOWAL KALAN	3456769224		10 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
211	Rahmat Ali	34501-9152255-2	CHANDOWAL KALAN	3029136298		10 Min
212	Muhammad Akber	34501-4663550-1	CHANDOWAL KALAN	3444781552		10 Min
213	Khalid Mehmood	34501-4928225-2	JASSAR	3442422641		10 Min
214	Sajid Ali	34501-0890542-3	JASSAR	3456503730		10 Min
215	Azhar Ali	34501-4932979-7	JASSAR	3007154614		10 Min
216	Muhammad Aslam	34501-7821878-9	JASSAR	3125181194		10 Min
217	Muhammad Shahzad	34501-0386136-1	JASSAR	3473030745		10 Min
218	Fahad Ali	34501-7683715-7	JASSAR	3474015981		10 Min
219	Hammid Ali	34501-8961978-3	JASSAR	3059531708		10 Min
220	Abbas Ali	34501-2029880-9	JASSAR	3015996920		10 Min
221	Muhammad Iqbal	34501-4069681-3	JASSAR	3007757431		10 Min
222	Nasir Ahmed	34501-8961978-3	JASSAR	3059531708		10 Min
223	Nadeem Sarwer	34501-2023597-1	JASSAR	3464910009		10 Min
224	Urwet Ali	34501-1969620-1	JASSAR	3414121465		10 Min
225	Khalil Akhter	34501-3472985-1	JASSAR	3402831701		10 Min
226	Muhammad Nadeem	34501-9845674-1	JASSAR	3473826985		10 Min
227	Muhammad Haneef	34501-1908078-1	JASSAR	3066110903		10 Min
228	Tahir Ajaaz	34501-3164566-5	JASSAR	345666316		10 Min
229	Asad Ali	34503-0347791-1	QILA AHMED ABAD	3466732800		10 Min
230	Malik Shahbaz	34501-1918298-3	QILA AHMED ABAD	3006115725		10 Min
231	Muhammad Tariq	34501-6651432-1	QILA AHMED ABAD	3016172454		10 Min
232	Mudassar Husain	34501-2000567-3	QILA AHMED ABAD	3456821087		10 Min
233	Ghulam Ghooos	34501-5512432-2	QILA AHMED ABAD	3456745458		10 Min
234	Muhammad Shahzad	34501-9747031-3	QILA AHMED ABAD	3456768466		10 Min
235	Muhammad Shahid	34501-5152321-1	QILA AHMED ABAD	3446451266		10 Min
236	Muhamamd Nabeel	34501-3659203-1	QILA AHMED ABAD	3097630180		10 Min
237	Muhammad Akmal	34501-8394835-1	QILA AHMED ABAD	3487212405		10 Min
238	Muhamamd Shafiq	34501-1922822-5	QILA AHMED ABAD	3427964937		10 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
239	Muhammad Hussain	34501-1955251-1	QILA AHMED ABAD	3077251735		10 Min
240	Falak Shair	34501-7859303-5	QILA AHMED ABAD	3217169111		10 Min
241	Afzal Hussain	34501-8229805-7	QILA AHMED ABAD	3406060688		10 Min
242	Abaid u llah	34501-1913541-3	QILA AHMED ABAD	3075245412		10 Min
243	Muhamamd Yaqoob	34501-1954301-7	QILA AHMED ABAD	3446309291		10 Min
244	Muhammad Waseem	34501-6980730-3	QILA AHMED ABAD	3036836522		10 Min
245	Wakeel Hussain	34501-3605000-5	QILA AHMED ABAD	3430601600		10 Min
246	Usman Ali	34501-5954091-5	QILA AHMED ABAD	3025669089		10 Min
247	Yasir Ali	34501-9847613-7	QILA AHMED ABAD	3040635255		10 Min
248	Ishtiaq Ali	34501-4643392-1	RANSIWAL	3017676293		15 Min
249	Baber hussain	34501-6969814-3	RANSIWAL	3073172425		15 Min
250	Sabir Ali	34501-5634128-5	RANSIWAL	3007125432		15 Min
251	Sardar Maseeh	34501-3675374-1	RANSIWAL	3007722426		15 Min
252	Muhammad Ibraheem	34501-3336523-1	RANSIWAL	3456625432		15 Min
253	Khadim Hussain	34501-1973212-7	RANSIWAL	3034910229		15 Min
254	Muhammad Akbar	34501-8192301-1	RANSIWAL	3413271425		15 Min
255	Baber hussain	34501-5726872-9	RANSIWAL	3045533576		15 Min
256	Muhammad Ameen	34501-2004211-9	RANSIWAL	3027183169		15 Min
257	Malik M Shahbaz	34501-2016389-9	RANSIWAL	3338872374		15 Min
258	Niaz Ahmed	34501-3834914-1	RANSIWAL	3344197957		15 Min
259	Rana M shabeer	35202-3389150-1	RANSIWAL	3054611953		15 Min
260	Zulifqar Ali	34501-0649573-5	RANSIWAL	3007764144		15 Min
261	Riaz Ahmed	34501-1985955-5	RANSIWAL	3436450901		15 Min
262	Muhammad Waqas	34503-0380473-7	RANSIWAL	3424451821		15 Min
263	Muhammad Qadeer	34501-3622431-9	RANSIWAL	3046799890		15 Min
264	waqar Younas	34501-6165472-1	Maddo Kahlawan	3007131340		15 Min
265	Muhammad Jameel	34501-6491424-1	Maddo Kahlawan	3466276804		15 Min
266	Khalid Hussain	34501-6278846-7	Maddo Kahlawan	3454121111		15 Min

S#	Volunteer Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
267	Muhammad Rafeeq	34501-1960376-7	Maddo Kahlawan	3493888621		15 Min
268	Orang Zaib	34501-2022494-7	Maddo Kahlawan	3066653719		15 Min
269	Mushtaq Ahmed	34501-1942710-9	Maddo Kahlawan	3416719926		15 Min
270	Alegzander Ashraf	34501-2401557-7	Maddo Kahlawan	3456678152		15 Min
271	Shoaib Nasir	34501-2019378-3	Maddo Kahlawan	3456718045		15 Min
272	Waqar Younas	34501-0932760-9	Maddo Kahlawan	3456770233		15 Min
273	Muhammad Zia	34501-7296104-1	Maddo Kahlawan	3448728786		15 Min
274	Qashif Farooq	34501-1847592-9	Maddo Kahlawan	3073362164		15 Min
275	Amir Shahbaz	34602-1365402-3	Nidoke	3008007470		20 Min
276	Muhammad Iqbal	34501-1933763-3	Nidoke	3003470290		20 Min
277	Muhammad Sajjad	34501-7036167-5	Nidoke	3456850337		20 Min
278	Sakhawat Ali	34501-2031830-1	Nidoke	3007777237		20 Min
279	Rashid Ali	34501-3360458-7	Nidoke	3328865986		20 Min
280	Muhammad Abas	34501-6861241-7	Nidoke	3450458669		20 Min
281	Asrar Ahmed	34501-4673322-1	Nidoke	3446463710		20 Min
282	Iftakhar Ahmed	34501-4951372-7	Nidoke	3064862515		20 Min
283	Tariq Javid	34501-0149789-9	Nidoke	3048608391		20 Min

ANNEX VIII (B) : LIST OF SWIMMERS/DIVERS

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
1.	Imtiaz Ahmed Khan	33201-1677417-5	Chiniot	0333-6734284		available 24/7
2.	Asif Ali	34501-4703770-5	Narowal	0333-4390338		available 24/7
3.	Maqsood Ahmad	34502-2020990-3	Shakargarh	0300-7166807		available 24/7
4.	M. Rashid Siddique	35202-1568385-3	Narowal	0300-4137455		available 24/7
5.	Noor Hussain	34502-3662400-1	Shakargarh	0322-5362672		available 24/7
6.	Hurmat Ali	34501-9837760-1	Narowal	0345-6887215		available 24/7
7.	H. M. Murtaza	34502-1602637-7	Shakargarh	0333-4919301		available 24/7
8.	Naeem Iqbal	34501-1623206-9	Narowal	0345-6524490		available 24/7
9.	M. Kashif Khatana	34502-3589080-3	Shakargarh	0345-4432983		available 24/7
10.	M. Afzaal	34502-8947291-3	Shakargarh	0300-4450753		available 24/7
11.	Imran Haider	34501-3429701-1	Zafarwal	0333-9579596		available 24/7
12.	M. Afzal	34501-1940713-9	Zafarwal	0332-8738045		available 24/7
13.	Anwar Waqar	34502-4963045-7	Shakargarh	0302-8052429		available 24/7
14.	Sikandar Ali Badshah	34602-5376148-3	Pasrur	0342-6461599		available 24/7
15.	Abdul Ahad	34501-6972918-3	Zafarwal	0333-5215917		available 24/7
16.	Ahsan Ullah	34102-7845829-1	Kamokey	0322-5709400		available 24/7
17.	Mubariz Mohsin	34502-6010597-3	Shakargarh	0302-6193623		available 24/7
18.	Awais Raza	61101-0426361-1	Narowal	0342-4827900		available 24/7
19.	Waqas Sarwar	34501-2164590-9	Narowal	0301-6183042		available 24/7
20.	Amir Mehmood	34502-7309007-5	Shakargarh	0300-7776681		available 24/7
21.	M . Raffaq Munawar	34501-6457033-9	Narowal	0300-7774523		available 24/7
22.	Amir Naeem	34602-9150649-1	Pasrur	0301-5275352		available 24/7
23.	Zafar Iqbal	34501-1963964-9	Narowal	0333-8302928		available 24/7
24.	Sajjad Abbas	34502-2240229-3	Shakargarh	0300-8146913		available 24/7
25.	Gulzar Ahmad	34502-0835646-9	Shakargarh	0308-6334857		available 24/7
26.	Muhammad Bilal	34501-4962347-5	Narowal	0345-6671982		available 24/7
27.	Husnain Haider	34501-1996268-9	Zafarwal	0300-4421512		available 24/7
28.	H .M. Zahid Hamid	34502-1854741-5	Shakargarh	0300-7764495		available 24/7
29.	M. Asif Javid	34501-1513668-1	Narowal	0302-6796047		available 24/7
30.	Rana Nasir Javid	35202-1387745-3	Zafarwal	0300-6782007		available 24/7

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
31.	M. Shafique	34502-9660045-3	Shakargarh	0308-4208891		available 24/7
32.	M Haseeb Khan	34502-5141801-7	Shakargarh	0302-6309786		available 24/7
33.	M. Tayyab Irshad	34502-3592228-5	Shakargarh	0303-4271122		available 24/7
34.	Hassan Javed	34501-4546292-5	Narowal	0300-7771833		available 24/7
35.	M. Naeem Akhtar	34501-1384328-3	Narowal	0333-8878093		available 24/7
36.	Shahid Mehmood	34502-9765233-5	Shakargarh	0333-3545150		available 24/7
37.	Qaiser Nadeem	34501-1344895-3	Narowal	0345-6669050		available 24/7
38.	Usman Muzammil	34501-6383183-1	Shakargarh	0305-6053397		available 24/7
39.	H Abdul Wahid	34501-8726528-5	Narowal	0303-4115196		available 24/7
40.	Mustensar Ramzan	34502-5950795-7	Shakargarh	0307-7296547		available 24/7
41.	Khalil Akhtar	37406-0621443-1	Zafarwal	0307-7291449		available 24/7
42.	Danish Javed	34501-7604819-5	Narowal	0300-7770505		available 24/7
43.	M Ihsan Khan	34501-4195752-1	Shakargarh	0307-6497066		available 24/7
44.	Muhammad Usman	34502-3799615-5	Shakargarh	0305-4984129		available 24/7
45.	Tasawar Jameel	34502-0749188-9	Zafarwal	0335-4053552		available 24/7
46.	Touseef Dildar Ahmed	34501-1708978-9	Narowal	0340-7257393		available 24/7
47.	Abu-Ul-Hasan	34501-8778708-9	Narowal	0300-7772598		available 24/7
48.	Safdar Rasool Shakir	34501-9055311-9	Narowal	0345-3451122		available 24/7
49.	Muhammad Imran	34502-4353008-7	Shakargarh	0300-6441122		available 24/7
50.	Saqib ur Rehman	34501-3919383-5	Narowal	0344-6524324		available 24/7
51.	Sajid Rafique	34501-2318702-9	Narowal	0333-7375711		available 24/7
52.	M. Rizwan	34501-9621655-1	Narowal	0346-6787443		available 24/7
53.	Mukhtar Ahmed	34603-3758408-9	Narowal	0347-6812822		available 24/7
54.	Mudassar Mehmood	34502-1551556-9	Narowal	0304-2793800		available 24/7
55.	M. Sarwar	34501-1918232-7	Narowal	0300-6194052		available 24/7
56.	Nasir Mehmood	34502-1747011-1	Narowal	0300-7761503		available 24/7
57.	Syed Nayyer Abbas	34501-1950017-9	Narowal	0321-5842927		available 24/7
58.	M. Shahid	35201-6286152-1	Shakargarh	0301-4924716		available 24/7
59.	Hamid Razzaq	35201-5872137-9	Narowal	0320-6214600		available 24/7
60.	Muhammad Aslam	34402-1537085-9	Shakargarh	0300-8852013		available 24/7
61.	M.Shafique	34502-1556395-3	Shakargarh	0304-1382995		available 24/7

S#	Name	CNIC	Address	Contact Number and Email	Blood Group	Time Required to be on-board
62.	Nisar Ahmad	34501-9688004-3	Narowal	0345-6769057		available 24/7
63.	Sattar Haider	34501-1931303-9	Narowal	0300-7109420		available 24/7
64.	Azhar Farooq	34602-7327243-7	Narowal	0342-6326926		available 24/7
65.	Abdul Sattar	34502-8793352-1	Shakargarh	0303-5453175		available 24/7
66.	M Shahzad Asghar	34501-4935037-9	Narowal	0301-6363698		available 24/7
67.	M.Ansar Khan	34501-1471775-9	Shakargarh	0345-4395506		available 24/7
68.	M. Ejaz Khan	34501-1614721-3	Shakargarh	0300-7764408		available 24/7
69.	Hafiz M. Afzal Khan	34502-1605113-5	Narowal	0308-6336401		available 24/7
70.	M.Afzal	34502-7699190-7	Shakargarh	0305-56012296		available 24/7
71.	Sazawar Ali	34501-6620927-3	Narowal	0342-0223188		available 24/7
72.	M Tayyab Nisar	34502-3942299-3	Shakargarh	0320-5370184		available 24/7
73.	Fakhar Mehmood Khan	34502-4061272-5	Narowal	0345-6668890		available 24/7
74.	M. Azeem	34502-9958276-9	Zafarwal	0306-6685665		available 24/7
75.	Wahab Sultan	34502-6164368-3	Shakargarh	0300-7169023		available 24/7
76.	Ghulfam Khalid	34602-4333069-3	Narowal	0321-7774794		available 24/7
77.	Irfan Ahmed	34501-6375796-7	Narowal	0300-4314541		available 24/7
78.	Yasir Ali	34501-3595880-9	Narowal	0345-1831122		available 24/7

ANNEX IX: POLITICAL CONSTITUENCIES

National Constituencies				Provincial Constituencies			
Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number	Name of constituency	Name of Sitting Parliamentarian	Portfolio	Contact Number
NA-77 Narowal-1	MS. Mehnaz Akber Aziz	-	0300-8564135	PP-46	Pir Sayed Saeed ul Hassan	Minister Auqaf & Religious Affairs	0300-9414056
NA-78	Mr. Ahsan Iqbal Chaudhary	-	0300-5012345	PP-47	Mr. M. Ghayas-ud-Din	-	0300-7764054
	MS. Wajiha Akram (Reserve Seat for Women)	Federal Parliamentary Secretary of Federal Education & Professional Training	0300-4905292	PP-48	Mr. Mannan Khan	-	0321-4012215

	PP-49	Bilal Akbar Khan	-	0320-7770909
	PP-50	Khawaja M. Waseem	-	0300-7769777

ANNEX X: LOCAL GOVERNMENT

District and Tehsil Level

S#	Designation	District/Tehsil Name	Name	Contact Number	Mobile Number
1	DDLG	Distt. Narowal	Shafqat Munir (Addl. Charge)	0529250154	0300-5418917
2	ADLG	Teh. Narowal	Mirza Amir		
3	ADLG	Teh. Shakargarh	Vacant	-	-
4	ADLG	Teh. Zafarwal	Vacant	-	-

UC Level

S#	Tehsil	UC	Chairman	Chairman Contact	Vice Chairman	VC Contact

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

P4: Cattle Head Perished

District: _____

Date: _____

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

District: _____

Date: _____

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

Date: _____

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

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

District: _____

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	Punjad 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	Muzaffargarh Canal Division	Muzaffargarh Flood Bund	188000
5	-do-	Doaba Flood Bund.	19000
6	-do-	Khargarh 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	Burla Division	-do-	35,000
Total in feet.			165,000
Total in miles			31.25
BAHAWALPUR ZONE			
1	Punjad Headworks Division	-do-	90,000
2	Khanpur Canal Division	-do-	100,000
3	Bahawalpur Canal Division	-do-	50,000
4	Rahimyar Canal Division	-do-	50,000
Total in feet.			290,000
Total in miles			54.92
MULTAN ZONE			

1	Trimmu Division	-do-	80,000
2	Suleimanki Division	-do-	50,000
3	Shujabad Canal Division	-do-	60,000
	Total in feet.		190,000
	Total in miles		35.98
D.G.KHAN ZONE			
1	Taunsa Barrage	-do-	80,000
2	Kot Adu Canal Division	-do-	90,000
3	Muzaffargarh Canal Division	-do-	180,000
4	River Diversion Division	-do-	80,000
5	Jampur Construction Division	-do-	140,000
6	D.G.Khan Construction Division	-do-	60,000
	Total in feet.		630,000
	Total in miles		119.32
LBDC (IP)			
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
LAHORE ZONE			
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
PMO BARRAGES			
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
RAVI	Punjnad	7	1.5	2	3	4.5	6
	Jassar	2.75	0.5	0.75	1	1.5	2
SUTLEJ	Ravi Syphon	4.25	0.4	0.65	0.9	1.35	1.8
	Shahdara	2.5	0.4	0.65	0.9	1.35	1.8
	Balloki	2.25	0.4	0.65	0.9	1.35	1.8
SUTLEJ	Sidhnai	1.5	0.3	0.45	0.6	0.9	1.3
	G.S.Wala	10 ft.	19.5	21.5	23.3	25.3	
	Suleimanki	3.25	0.5	0.8	1.2	1.75	2.25
	Islam	3	0.5	0.8	1.2	1.75	2.25
	Mailsi Syphon	4	0.75	1.1	1.5	2.25	3

ANNEX XV: LIST OF BASIC TERMS

Acceptable risk

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

Biological hazard

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

Capacity

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

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

Capacity building

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

Climate change

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

Coping capacity

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

Disaster

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

Disaster risk management (DRM)

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

Disaster risk reduction/disaster reduction

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

Early warning

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

Emergency management

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

Forecast

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

Geological hazard

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