

# DISTRICT DISASTER MANAGEMENT PLAN 2021

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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## Flood

Estimated number of people at risk of **floods** in 2021

1.11%

of total population

Risk: High

## Hill Torrent

Estimated number of people at risk of Hill Torrent in 2021

0

of total population

Risk: Low

## Earthquake

Estimated number of people at risk of earthquake in 2021

0

of total population

Risk: Low

## Epidemic

Estimated number of people at risk of epidemic in 2021

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                                         | 1316         |
| 5.    | Population Density (people per km <sup>2</sup> )               | 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<br>(above 18) | Female<br>(above 18) | Minor (M)<br>(less than 18) | Minor (F)<br>(less than 18) | Vulnerable People<br>(PLWs, disabled,<br>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<br>in Km <sup>2</sup> | Area under cultivation | Cultivation in Settled<br>Area | Cultivation in<br>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 &amp; 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           | 279     | 380       | -        | 600              | 659     |
| Doctors Available    | 107     | 282       | -        | 66               | 455     |
| Paramedical staff    | 390     | 111       | -        | 59               | 560     |
| Ambulances available | 05      | 0         | -        | 10               | 15      |
| 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/Climate pattern                         | Hot & Humid<br>Major source of precipitation is monsoon<br>Annual average rainfall 800-1000mm |

## Major Rivers

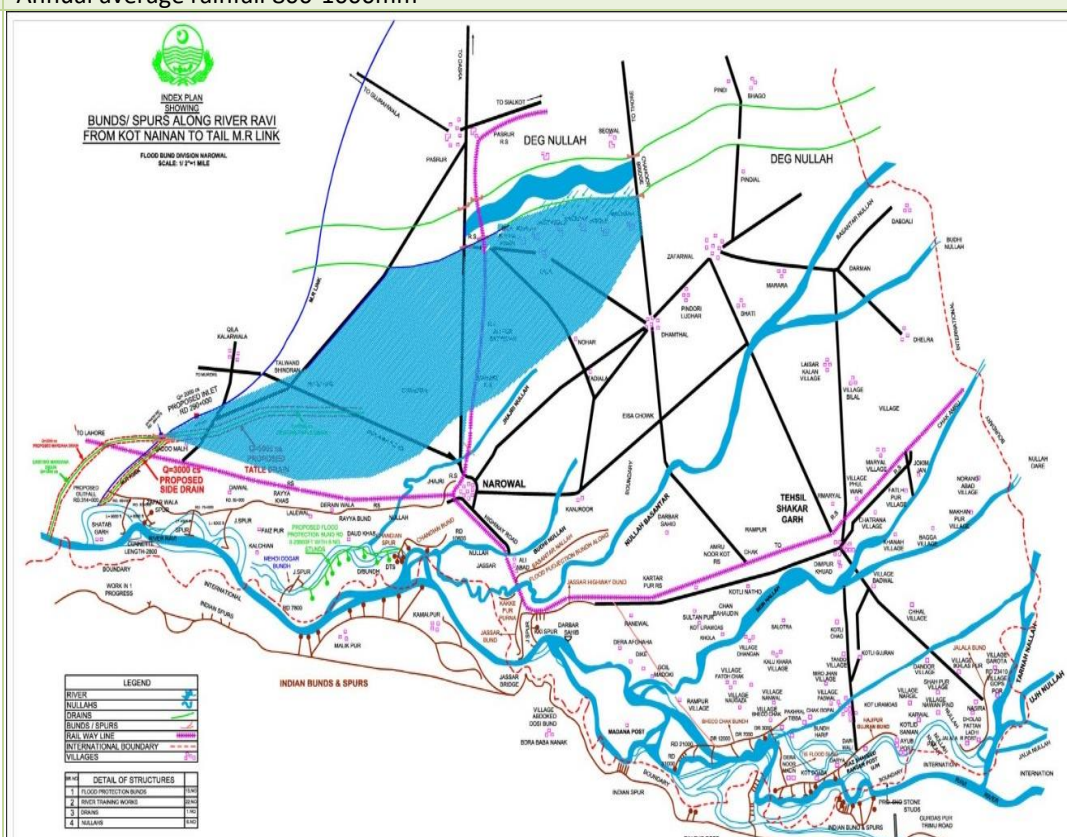


Figure 1: Lav Out of All Flood Bunds on River Ravi and its Tributaries in District Narowal

| 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<br>- Nill |                 |    |     |     |       |                   |
| Railways            | Vulnerable points of Railway<br>- Nill          |                 |    |     |     |       |                   |
| 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 <sup>th</sup> March 2020 for Rehabilitation of Jalala Bund. NDRMF project in progress-Hydrasulically 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 <sup>th</sup> March 2021 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 Bund     | 1.86        | Narowal                                      | Narowal                                    | Jassar. Aliabad                     |                                             | No Damages in past three floods.                                                                                                                                                                                                                                                                                                                                                     |
| Chandian              | 2.10        | Narowal                                      | Narowal                                    |                                     |                                             | No Damages in past three                                                                                                                                                                                                                                                                                                                                                             |



|                    |      |         |         |  |  |                                             |
|--------------------|------|---------|---------|--|--|---------------------------------------------|
| Dowel Bund         |      |         |         |  |  | 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/<br>Embankment | Name of Breaching Section | Location with GPS Coordinates | Likely Affected Population |        |          | Likely Affected Revenue Estate | Remarks |
|-----------------------------|---------------------------|-------------------------------|----------------------------|--------|----------|--------------------------------|---------|
|                             |                           |                               | Male                       | Female | Children |                                |         |
| Jalalla Bund                | Jalalla                   | X:<br>Y:                      | 3200                       | 2850   | 1950     | 15                             |         |
| Haji Pur Gujran Bund        | Bain at Fatehpur          | X:<br>Y:                      | 1400                       | 1270   | 1590     | 7                              |         |
| Jassar Flood Bund           | River Ravi at Jassar      | X:<br>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        |          | -               |                       |          | -               |

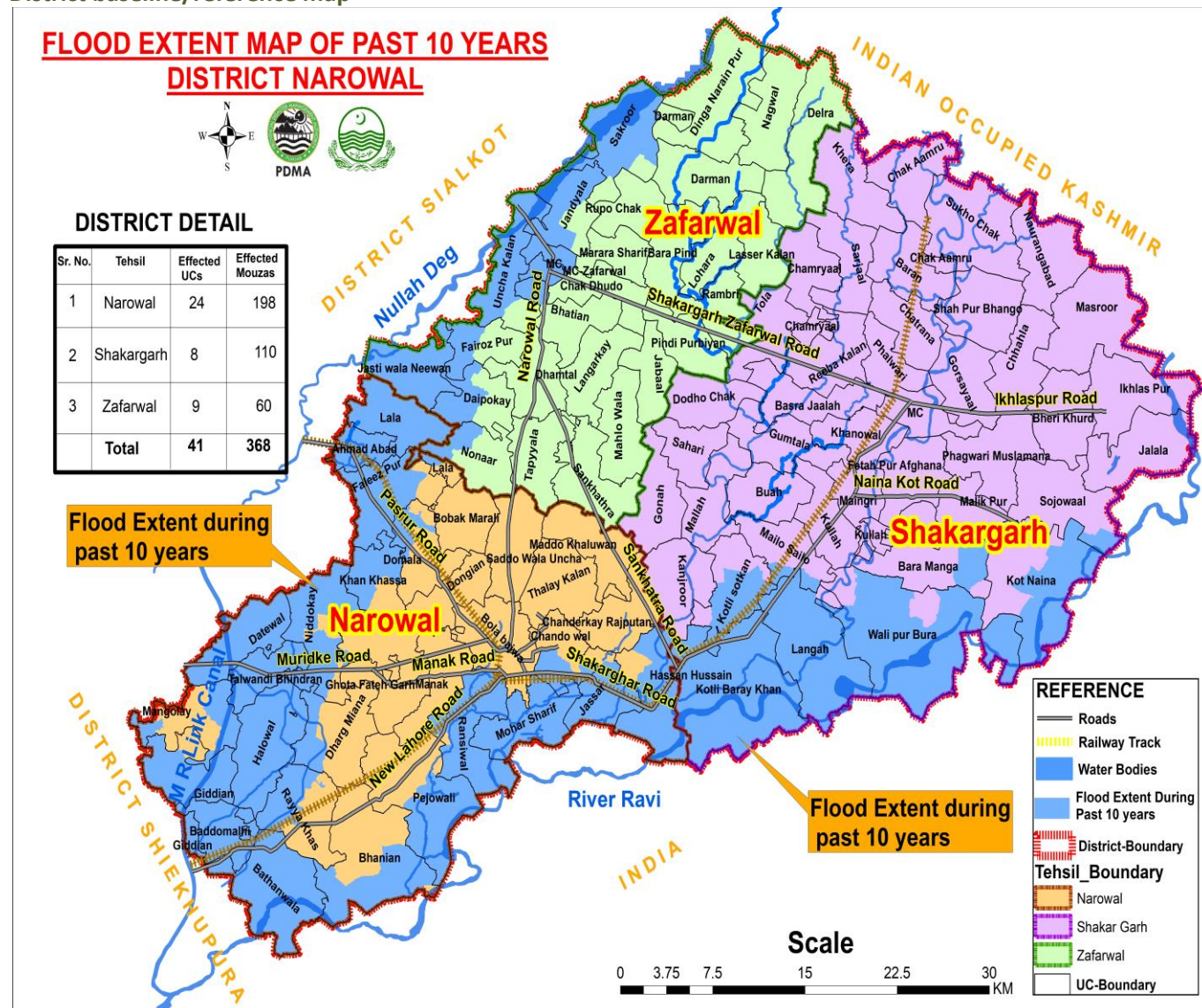
**Airport / Landing Strips**

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

**Govt. storage facilities/warehouses in the district**

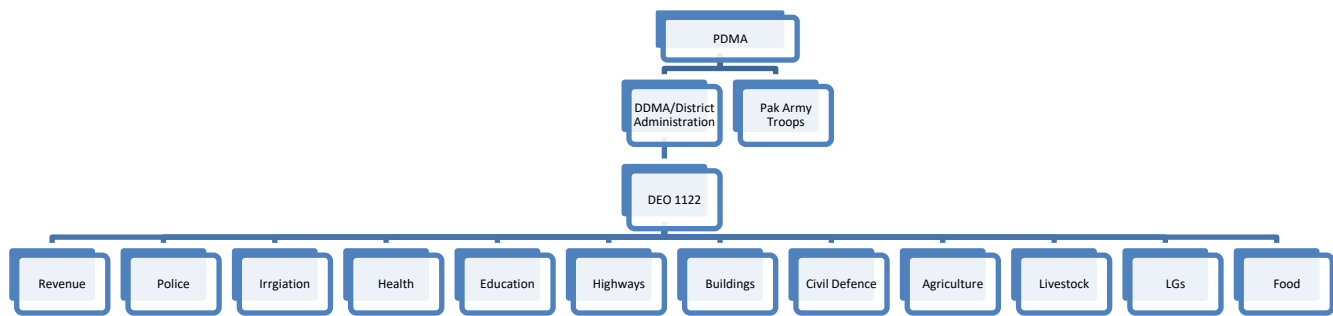
| Facility Type | Capacity | Location with GPS Coordinates | Facility Type | Capacity | Location with GPS Coordinates |
|---------------|----------|-------------------------------|---------------|----------|-------------------------------|
| -             | -        | -                             |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

## District baseline/reference map



# 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 bowzers. 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:
  - Deputy Commissioner (Chairperson)**
  - District Police Officer
  - Additional Deputy Commissioner (Rev)
  - Two elected Representatives to be nominated by the Chair
  - Representative of Pak Army
  - Two Representatives of NGOs/Civil Society to be nominated by the Chair
  - Additional Deputy Commissioner (General)
  - 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 roster of the staff
- ☐ 2 Dedicated telephone lines
- ☐ Dedicated Fax
- ☐ Wireless
- ☐ Internet and Email or any other source of communication
- ☐ Power backup

### **Checklist for Relief Camp Incharge:**

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

### **Role of 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<br>(Score 1-5) | Impact<br>(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

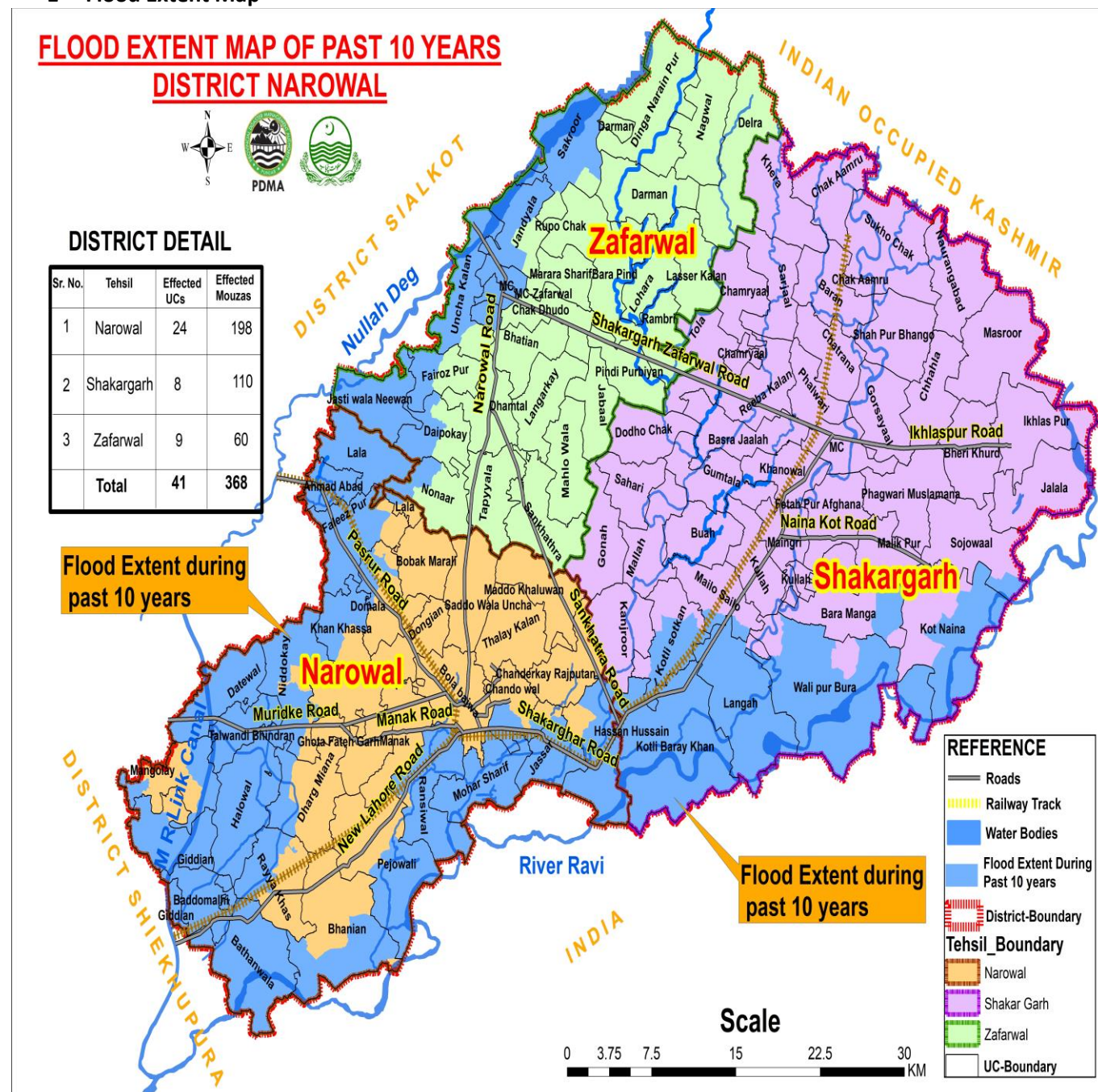
Low : 1-7  
 Medium : 8-14  
 High : 15-25

## 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.

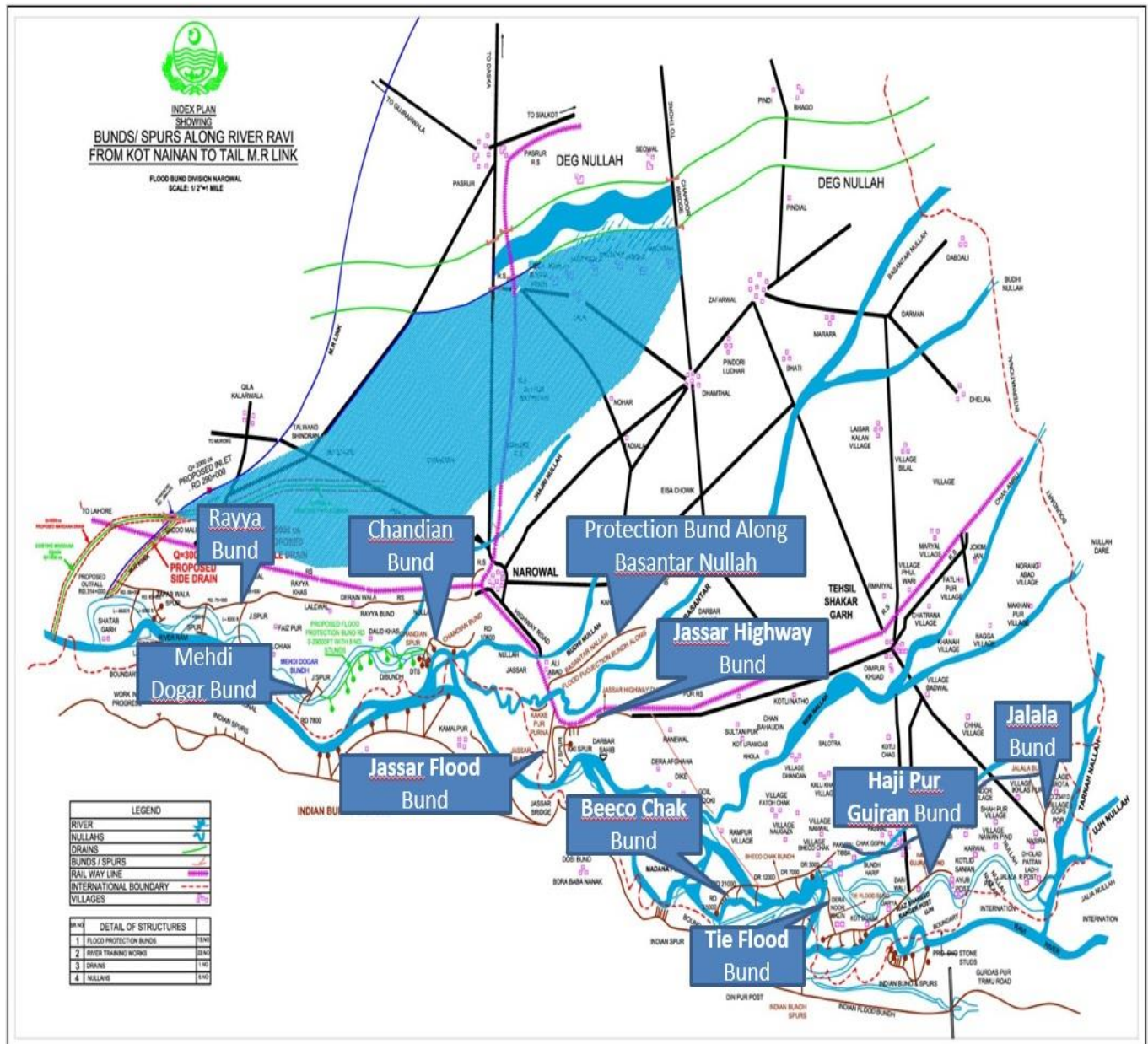
### 1- Flood Extent Map



Source: PDMA Narowal

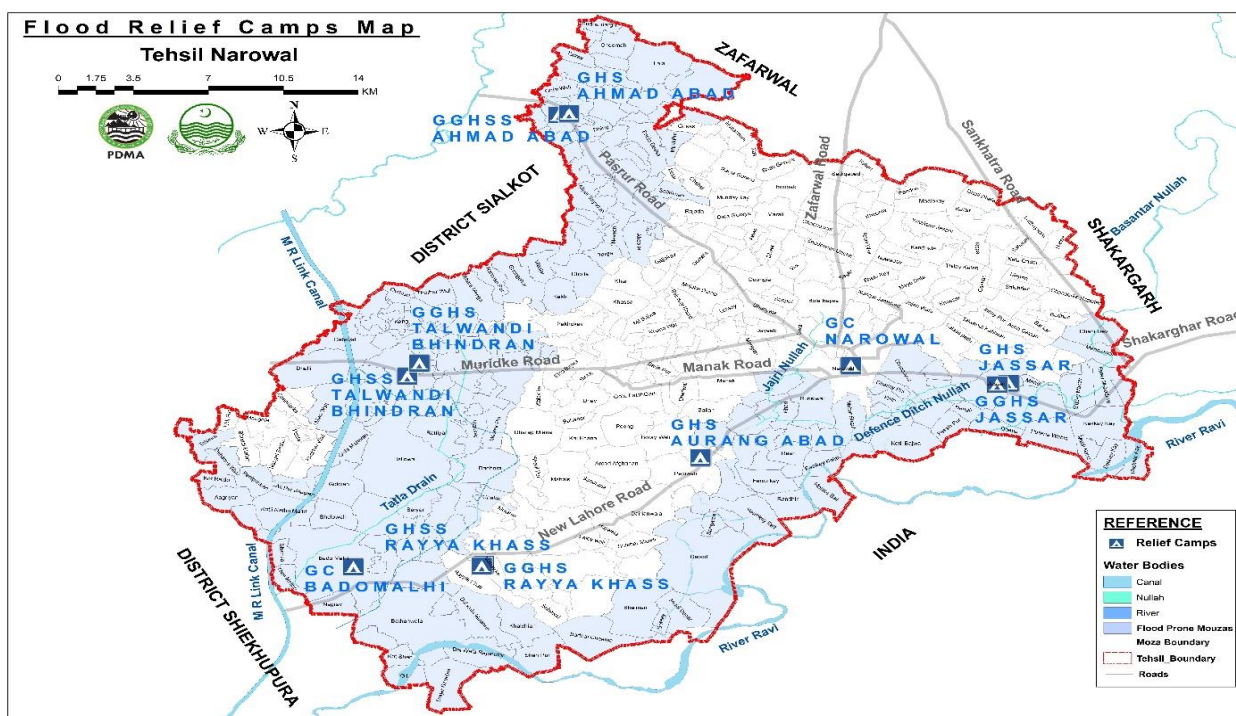


## 2- DETAILS OF FLOOD PROTECTION BUNDS

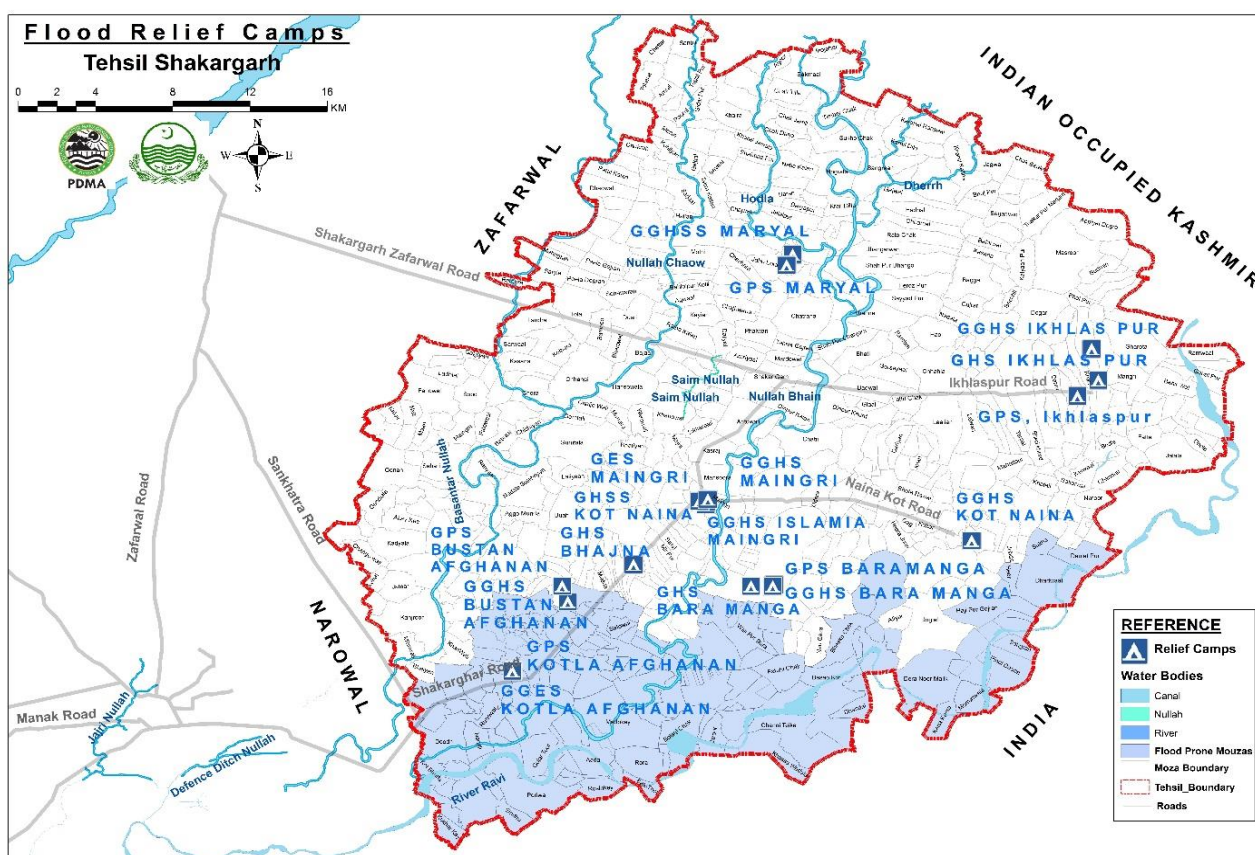




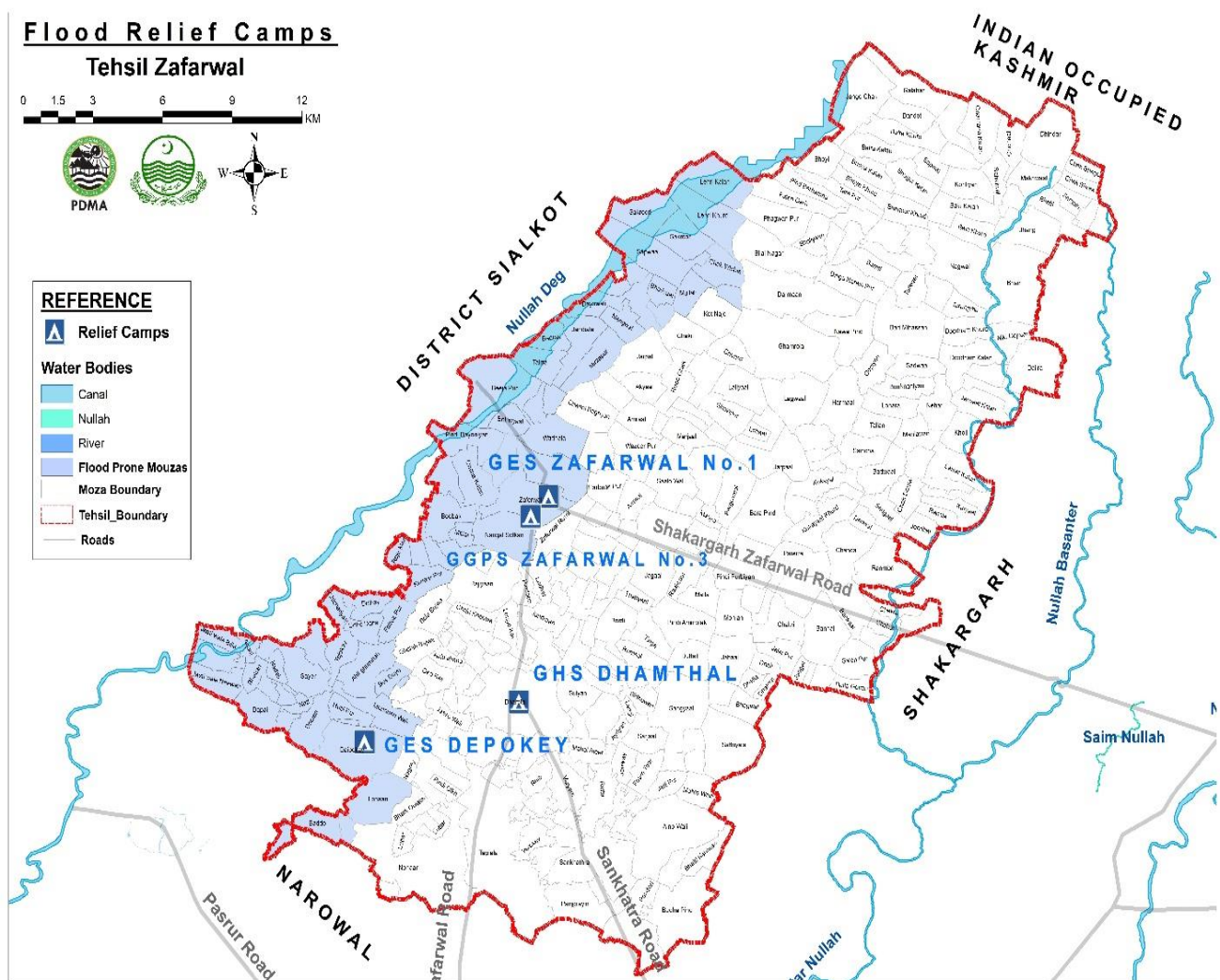
### 3- RELIEF CAMPS AT TEHSIL LEVEL ( NAROWAL):



### 4- RELIEF CAMPS AT TEHSIL LEVEL ( SHAKARGARH):



## 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                                       | 28        | 28         | 0              |              |
| OBM                                         | 29        | 28         | 01             |              |
| De-watering sets                            | 29        | 28         | 01             |              |
| 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                              | 104       | 104        | 0              |              |
| Rescue Bag                                  | 5         | 5          | 0              |              |
| Safety Harnesses                            | 10        | 10         | 0              |              |
| Ambulances                                  | 11        | 11         | 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              |              |
| Boat Carrier/Trolleys                       | 5         | 5          | 0              |              |
| Pickups/Jeeps/4x4 vehicles/Mini Trucks      | 10        | 10         | 0              |              |
| Searchlight                                 | 06        | 06         | 0              |              |
| Tent                                        | 1175      | 1175       | 0              |              |
| Mosquito Net                                | 992       | 992        | 0              |              |
| Plastic Mat                                 | 1504      | 1504       | 0              |              |
| Blanket                                     | 155       | 155        | 0              |              |
| Lightening Sets with Generator              | 4         | 4          | 0              |              |
| Tractor                                     | 16        | 16         | 0              |              |
| Trolly                                      | 9         | 9          | 0              |              |
| Sewer Sucker Machine                        | 3         | 3          | 0              |              |
| Sewer Jetting Machine                       | 1         | 1          | 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><b>Pre-Flood</b><br/>To ensure veterinary coverage, prophylactic vaccination to each animal/poultry bird and to adopt appropriate measure to check any epidemic or endemic outbreak during flood, including any contagious dilemma.<br/>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.<br/>30% quota of the medicines as per policy guidelines of L&amp;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> | <p>Rescue 1122<br/>WASA<br/>MWMC<br/>Civil Defence<br/>Health<br/>Education<br/>Police<br/>Army</p> |
| Urban Flooding | <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Municipal Committies.                                                                               |
| Flash Floods   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                     |

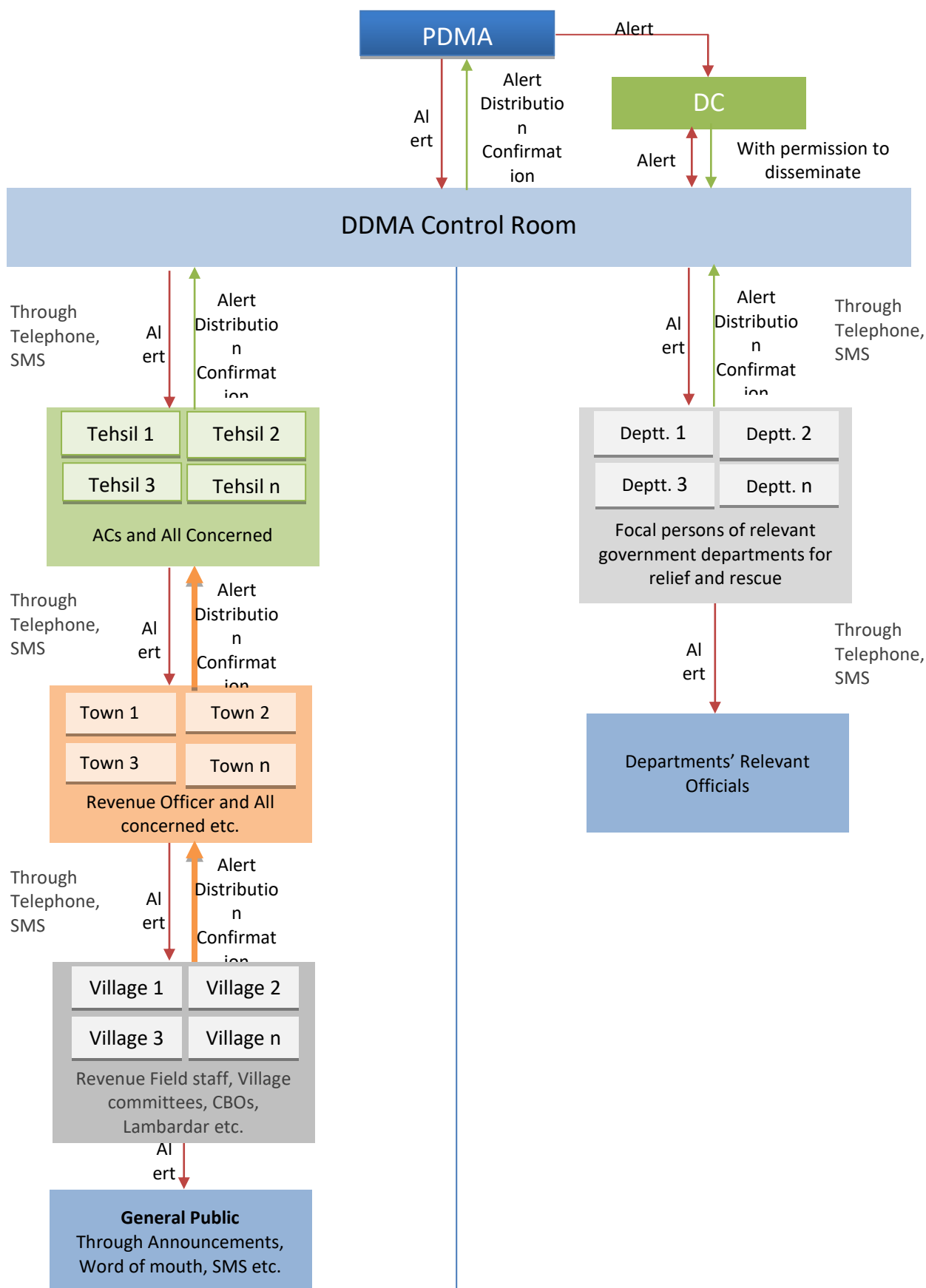


|                                    |                                                                                                    |                               |
|------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------|
| 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 |

|                                                                                                             |                                                                                                                                                                                                                                               |                                                            |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|                                                                                                             |                                                                                                                                                                                                                                               |                                                            |
| Fire Incidents                                                                                              | 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.                                                | RESCUE 1122                                                |
| Other Major Accidents<br>(Building Collapse, road traffic accidents, train accident, Stampede, plane crash) | 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. | Rescue 1122 District Administration, Police, Armed Forces. |
| Environmental Hazards<br>(industrial accidents, severe pollution etc.)                                      |                                                                                                                                                                                                                                               |                                                            |

# EARLY WARNING

## Information Flow Diagram



## Alertness Levels

Following four levels alertness have been established:

### Level-D (Disaster threat is perceptive)

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.

### Level-C (Alert) (Warning issued but likelihood of occurrence is less than 100%)

#### 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.

### Level-B (High Alert) (Disaster threat is imminent)

#### 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.

### Level-A (Red Alert) (Disaster is materialized)

#### 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.

## 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 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

| Sector No. | Name of Sector                                             | Sr. No. Camp | Name of Relief Camps & Resource Person                                          | Area of Relief Camp (ft <sup>2</sup> ) | No. of Rooms in relief camp | Overall Incharge of Relief Camp with Phone No.               |
|------------|------------------------------------------------------------|--------------|---------------------------------------------------------------------------------|----------------------------------------|-----------------------------|--------------------------------------------------------------|
| 1          | <b>Maryal, Tehsil Shakargarh</b>                           | 01           | G.G.H.S. <b>Maryal</b><br>(Fazilat Khalid 0300-7771517)                         | 119680                                 | 17                          | Zaheer Ahmed, Tehsildar.<br>0302-8696796                     |
|            |                                                            | 02           | Govt. Primary School <b>Maryal</b><br>(Abid Mahmood Khan 0303-4761726)          | 43520                                  | 6                           |                                                              |
| 2          | <b>Ikhlaspur, Tehsil Shakargarh (Jalala Bund)</b>          | 03           | Govt. Boys H/S <b>Ikhlaspur</b><br>(Ch. Aziz Bukhash 0300-7763599),             | 76160                                  | 9                           | Muhammad Akram Naib Tehsildar<br><br>0300-8895770            |
|            |                                                            | 04           | Girls High School <b>Ikhlaspur</b><br>Tasneem Iqbal 03007137200                 | 41546                                  | 11                          |                                                              |
|            |                                                            | 05           | GPS, <b>Ikhlaspur</b><br>(Abdul-ul-Islam (0302-6619620)                         | 21760                                  | 4                           |                                                              |
| 3          | <b>Kot Nainan, Tehsil Shakargarh (Haji PurGujran Bund)</b> | 06           | Govt. Higher Secondary School <b>Kot Nainan</b> (Javaid Manzoor 0300-7772561))  | 212160                                 | 21                          | Mumtaz Haider Shah, Girdawar Halqa Kot Ninan (0300-7765357), |
|            |                                                            | 07           | Girls High School <b>Kot Nainan</b><br>Mst.Naveeda H.M 03016893533              | 15912                                  | 08                          |                                                              |
| 4          | <b>Maingari, Tehsil Shakargarh</b>                         | 08           | Govt. Higher Secondary School <b>Maingari</b> Khaild Mahmood Khan (03054224390) | 51136                                  | 24                          | Javaid Shahzad Agriculture Officer (0333-8734267)            |
|            |                                                            | 09           | G.G.H.S. <b>Maingari</b><br>(Ashia Gudsia 0332-8178821)                         | 144240                                 | 22                          |                                                              |
|            |                                                            | 10           | GES <b>Maingari</b><br>(Shahzad Ahmad 03348096949)                              | 32640                                  | 14                          |                                                              |
| 5          | <b>Baramanga, Tehsil Shakargarh (Bhiko Chak Bund)</b>      | 11           | Govt. Boys High School, <b>Bara Manga</b> (Maqsood Ahmad 0300-6171379)          | 59840                                  | 4                           | Ghulam Mustafa Naib Tehsildar<br>0300-7768583                |
|            |                                                            | 12           | Govt. Girls High School, <b>Bara Manga</b> (Surrya Ghulam Ahmad (03436364653)   | 5440                                   | 10                          |                                                              |
|            |                                                            | 13           | Govt. P/S <b>Bara manga</b><br>(Muhammad Azam 0300-9853671)                     | 10880                                  | 3                           |                                                              |
| 6          | <b>Bustan Afghanan, Tehsil</b>                             | 14           | Govt. Girls High School <b>Bustan</b><br>(Nighat Shaheen) 03067773610           | 5440                                   | 11                          | Muhammad Akram, Agriculture Inspector,                       |

|    |                                               |    |                                                                                      |        |                          |                                                                               |
|----|-----------------------------------------------|----|--------------------------------------------------------------------------------------|--------|--------------------------|-------------------------------------------------------------------------------|
|    | <b>Shakargarh</b>                             | 15 | Boys Primary school <b>Bustan</b><br>(Muhammad Aslam 0303-5319599)                   | 21760  | 4                        | (0307-6114633)<br>(0307-7279485)                                              |
| 7  | <b>Kotla Afghanan Plot, Tehsil Shakargarh</b> | 16 | Govt. Highier Secondary School <b>Kotla Afghanan</b><br>(Irshad Ahmad (0308-8777324) | 223040 | 15                       | Muhammad Akram, NT.<br>(0301-6335331)                                         |
|    |                                               | 17 | Govt. Girls E/S <b>Kotla Afghanan</b><br>(Fozia Afzal 0334-0512996)                  |        |                          |                                                                               |
| 8  | <b>Bhajna, Tehsil Shakargarh</b>              | 18 | Govt. High School <b>Bhajna</b><br>Pervaiz Ahmad 0300-8832038)                       | 72352  | 15                       | Anyat Ali,<br>Girdawar, Halqa Baramanga (0307-4743154)                        |
| 9  | <b>Jassar, Teh. Narowal</b>                   | 19 | Govt. Girls High School Jassar<br>(Rukhsana Ijaz 0300-7760364                        | 38896  | 14                       | Muhammad Arshad, Naib Tehsildar. (0301-6894864)                               |
|    |                                               | 20 | Govt. Boys H/S, Jassar<br>(Muhammad Younas 0301-6895587)                             | 116960 | 13                       |                                                                               |
| 10 | <b>Narowal</b>                                | 21 | Govt. College for Boys, Narowal<br>(Muhammad Ashraf 0542-410869)                     | 415344 | Under construction<br>38 | Muhammad Asghar Bhatti<br>Incharge Girdawar<br>(0305-6673530)                 |
|    |                                               | 22 | Govt. High School Narowal<br>(Muhammad Iqbal 0304-3193625)                           | 455600 |                          |                                                                               |
| 11 | <b>Pejowali, Teh. Narowal</b>                 | 23 | Govt. Boys High School,<br>Aurangabad (Rafaqat Beig)<br>0332=8612470                 | 35360  | 15. rooms                | Muhammad Adil,<br>Agriculture Officer<br>(0314-4505192)                       |
| 12 | <b>Rayya, Teh. Narowal</b>                    | 24 | Govt. Boys High School Rayya<br>(Tahir Mahmood 0300-7777957)                         | 116960 | 11                       | Basharat Ali<br>Incharge Girdawar<br>(0343-6465500)                           |
|    |                                               | 25 | GGHS, Rayya (Asifa Khatoon 0333-8872354)<br>(Magsood 0344-6523128)                   | 403920 | 06                       |                                                                               |
| 13 | <b>Baddomalhi, Teh. Narowal</b>               | 26 | Islamia Degree College<br>Baddomalhi (Jameel Ahmad<br>0306-6667102) (0542-406047)    | 56304  | 13                       | Iftikhar Ahmad,<br>Agriculture Officer<br>(Ext.) Baddomalhi<br>(0300-3682317) |
| 14 | <b>Ahmad Abad, Teh. Narowal</b>               | 27 | Govt. High School QAA (Abdul Manan Butt 0347-6812939)                                | 130560 | 24                       | Shahzad Anwar,<br>Naib Tehsildar.<br>(0300-6184452)                           |
|    |                                               | 28 | GGHSS, Qila Ahmad Abad<br>(Gulzar Fatima Incharge<br>Principal 03446518954           | 97920  | 37                       |                                                                               |
| 15 | <b>Talwandi Bhindran, Teh. Narowal</b>        | 29 | Govt. Boys High School<br>Talwandi (Khalid Mahmood<br>0335-4655737)                  | 295120 | 14                       | Shahzad Qaisar<br>Naib Tehsildar.<br>(0300-7767003)                           |
|    |                                               | 30 | GGHS, Talwandi<br>Bindran (Shahzia Kalsoom 0333-4655366)                             | 35360  | 18                       |                                                                               |
| 16 | <b>Zafarwal</b>                               | 31 | Govt. Elementary School No.01<br>Zafarwal (R/Person Irshad<br>Ahmad 0334-9363908)    | 19241  | 08                       | Muhammad Ishaq<br>Tehsildar<br>Zafarwal<br>0300- 7594121                      |
|    |                                               | 32 | Govt. Elementary School No.3<br>(Almaroof Khajoor wala)                              | 32400  | 05                       |                                                                               |

|    |                 |    |                                                                      |       |    |                                                              |
|----|-----------------|----|----------------------------------------------------------------------|-------|----|--------------------------------------------------------------|
|    |                 |    | (R/person) HM Uzma Zunaira<br>0306-7171833                           |       |    |                                                              |
| 17 | <b>Dhamthal</b> | 33 | Govt. High School Dhamthal<br>(R/Person Munir Ahmad 0302-<br>4412405 | 43560 | 15 | <b>Faisal Nadeem,<br/>Naib Tehsildar.<br/>(0300-8346710)</b> |
|    |                 | 34 | Govt. Elementary School,<br>Depokay. Naseem-ul- H.M<br>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         | <b>1- SHAKARGARH<br/>2- ZAFARWAL<br/>3- NAROWAL</b> | -   | -                        | <b><u>Flood prone Villages of Tehsil Shakargarh.</u></b><br>1- Bhara Bhai<br>2- Khungran Da Dera<br>3- Piyaal<br>4- Jagat Pur<br>5- Beekha Chak<br>6- Khraal<br>7- Bhagulara<br>8- Mukaam<br>9- Karool<br>10- Nangal<br>11- Timer Chak<br>12- Sakmal<br>13- Kothay Pind<br>14- Pilay Pur<br>15- Tugal Pur<br>16- Kullian<br><b><u>Flood prone Villages of Tehsil Zafarwal.</u></b><br>1- Lehri<br>2- Sakroor<br>3- Nogra Naknaal<br>4- Kartar<br>5- Charwa<br>6- Tomala<br>7- Tulsi Pur<br>8- Demi Khtran<br><b><u>Flood prone Villages of Tehsil Narowal.</u></b><br>1. Jastiwala<br>2. Tapai<br>3. Naragwali<br>4. Vingal<br>5. Badomalhi |
|                |                                                     |     |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Urban Flooding | Shakargarh                                          | -   | Shakargarh I,II          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Flash Floods   | -                                                   | -   | -                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hill Torrent   | -                                                   | -   | -                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tornado        | -                                                   | -   | -                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## 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<br>74.76138    | Primary, Secondary, Tertiary                         | Dr. Ali Irtaza<br>03338224225       | Floods                                         |
| 2  | RHC Badomalhi          | 31.983229<br>74.663193   | Primary, Secondary, Tertiary                         | Dr. Bua Ali<br>03337380931          | Floods                                         |
| 3  | BHU Talwandi Bhinderan | 32.103404<br>74.695956   | Primary, Secondary, Tertiary                         | Dr. Gul Zareen<br>03334177565       | Floods                                         |
| 4  | BHU Pejowali           | 32.041382<br>74.804012   | Primary, Secondary, Tertiary                         | Dr. Sarah Akram<br>03204504401      | Floods                                         |
| 5  | BHU Qiam Pur           | 32.2181751<br>74.7035737 | Primary, Secondary, Tertiary                         | Dr. Rimsha Masood<br>03048100662    | Floods                                         |
| 6  | BHU Dhamthal           | 32.2650697<br>74.9048284 | Primary, Secondary, Tertiary                         | Mr. Muzaffar Kazmi<br>03013072973   | Floods                                         |
| 7  | RHC Zafarwal           | 32.3542923<br>75.059107  | Primary, Secondary, Tertiary                         | Dr. Abu Zar Ghafari<br>03214448693  | Floods                                         |
| 8  | BHU Dera Afghana       | 32.112289<br>75.038124   | Primary, Secondary, Tertiary                         | Mr. Muhammad Boota<br>03006708316   | Floods                                         |
| 9  | BHU Bara Manga         | 32.1618338<br>75.1644391 | Primary, Secondary, Tertiary                         | Dr. Umar Iqbal<br>03244538415       | Floods                                         |
| 10 | RHC Kot Naina          | 32.1872457<br>75.2454688 | Primary, Secondary, Tertiary                         | Dr. Ishtiaq<br>03454361200          | Floods                                         |
| 11 | BHU Ikhlas Pur         | 32.2561783<br>75.301865  | Primary, Secondary, Tertiary                         | Mr. Ghulam Murtaza<br>03328170813   | Floods                                         |
| 12 | BHU Derianwala         | 32.02888<br>74.785763    | Primary, Secondary, Tertiary                         | Dr. Ali Umair<br>03034941256        | Floods                                         |
| 13 | GRD Maingri            | 32.203583<br>75.128127   | Primary, Secondary, Tertiary                         | Mr. Mehboob Alam<br>03008128621     | Floods                                         |

## ANNEX IV: LIST OF VULNERABLE EDUCATIONAL INSTITUTIONS

| S# | Name                   | Institute Type<br>(School,<br>College etc.) | GPS<br>Coordinates           | Enrolment | Incharge Name                | Contact Number              |
|----|------------------------|---------------------------------------------|------------------------------|-----------|------------------------------|-----------------------------|
| 1  | GGPS Naki Jattan       | Primary                                     | 32°11'06.8"N<br>75°12'18.6"E | 233       | Fouzia Ishaq                 | 0301-6461247                |
| 2  | GGPS Jhanda            | Primary                                     | 32°12'46.0"N<br>75°16'26.9"E | 76        | Aneeba Safdar                | 0300-4335613                |
| 3  | GPS Narang Wali        | Primary                                     | 32°12'50.2"N<br>74°45'35.5"E | 71        | Abbas Ali                    | 0344-4721213                |
| 4  | GGHSS Maryal           | Higher Secondary                            | 32°19'22.5"N<br>75°10'09.9"E | 730       | Fazeelat Khalid              | 0300-7771517                |
| 5  | GHSS Daud              | Higher Secondary                            | 32°01'09.1"N<br>74°48'09.2"E | 264       | Abdul Majeed                 | 0301-4370372                |
| 6  | GHS Zafarwal           | High                                        | 32°20'31.8"N<br>74°54'19.4"E | 1573      | Abdul Ghafar                 | 0300-6194264                |
| 7  | GPS Mandiala           | Primary                                     | 32°10'57.1"N<br>74°59'11.8"E | 48        | Adnan Khan                   | 0300-3962947                |
| 8  | GPS Noshehra           | Primary                                     | 32°08'28.2"N<br>75°10'25.3"E | 140       | Amjad Ali                    | 0300-4514130                |
| 9  | GHS Ahmadabad          | High                                        | 32°13'43.5"N<br>74°45'36.4"E | 1177      | Mannan Butt                  | 0347-6812939                |
| 10 | GPS Kakkay Kay         | Primary                                     | 32°04'21.3"N<br>74°58'48.5"E | 56        | shabir                       | 0345-6674224                |
| 11 | GGPS Kakkay Kay        | Primary                                     | 32°04'28.9"N<br>74°58'37.4"E | 111       | Shabana Younas               | 0332-8863191                |
| 12 | GGPS Hubi Pur          | Primary                                     | 32°16'20.5"N<br>74°49'17.5"E | 254       | Anam                         | 0307-0602100                |
| 13 | GGHS Pejowali          | High                                        | 32°02'42.9"N<br>74°48'41.7"E | 148       | Riffat Mehmood               | 0336-1417540                |
| 14 | G. Isl. H/S Baddomalhi | High                                        | 31°59'37.4"N<br>74°39'45.2"E | 668       | Mati Ur Rehman               | 0333-4253476                |
| 15 | GPS Dhapaie            | Primary                                     | 32°13'48.2"N<br>74°49'39.2"E | 140       | Arshad Mehmood               | 0340-3384931                |
| 16 | GES Zafarwal           | Elementary                                  | 32°20'37.4"N<br>74°54'22.1"E | 517       | Irshad Ahmed                 | 0334-9363908                |
| 17 | GPS No. 1 Zafarwal     | Primary                                     | 32°20'43.6"N<br>74°54'08.7"E | 120       | Javed Iqbal                  | 0333-8721013                |
| 18 | GPS No. 2 Zafarwal     | Primary                                     | 32°20'39.7"N<br>74°54'11.9"E | 18        | Muhammad Nawaz               | 0346-6674697                |
| 19 | GES Budha Pind         | Elementary                                  | 32°12'30.9"N<br>74°57'09.0"E | 310       | Ghulam Mustafa               | 0305-6258294                |
| 20 | GPS Haibat Pur         | Primary                                     | 32°19'27.0"N<br>74°52'03.1"E | 68        | Aslam Azad                   | 0301-6891844                |
| 21 | GPS Panwan             | Primary                                     | 32°06'33.5"N<br>75°01'55.2"E | 40        | Punjab Education Foundation. | Moazam AEO.<br>0306-0674760 |
| 22 | GPS Lakra              | Primary                                     | 32°06'48.1"N<br>75°01'44.6"E | 27        | Punjab Education Foundation. | Moazam AEO.<br>0306-0674760 |
| 23 | GPS Kapoor Dev         | Primary                                     | 32°07'41.8"N<br>75°00'11.4"E | 38        | Rehman Sabir                 | 0300-7130998                |



| S# | Name             | Institute Type<br>(School, College etc.) | GPS<br>Coordinates           | Enrolment | Incharge Name  | Contact Number |
|----|------------------|------------------------------------------|------------------------------|-----------|----------------|----------------|
| 24 | GPS Qila Waraich | Primary                                  | 32°06'20.7"N<br>75°00'43.5"E | 102       | Muhammad Sadiq | 0345-6661141   |
| 25 | GGES Haibat Pur  | Elementary                               | 32°19'27.0"N<br>74°52'03.1"E | 263       | Zahida Rasheed | 0331-4789135   |
| 26 | GGES Uncha Kalan | Elementary                               | 32°20'49.3"N<br>74°52'36.8"E | 234       | Taqdeer Fatima | 0333-7383409   |
| 27 | GGPS Fasi Pur    | Primary                                  | 32°04'26.7"N<br>74°55'27.2"E | 64        | Toqeer Fatima  | 0336-7159361   |
| 28 | GPS Kot Doaba    | Primary                                  | 32°04'23.1"N<br>74°55'53.1"E | 70        | Samina Iqbal   | 0306-9052440   |

## ANNEX V: LIST OF INDUSTRIES WITH THEIR RISK LEVEL

| S# | Industry Name | Location | GPS<br>Coordinates | Risk Type<br>(Chemical,<br>Biological,<br>Radiological,<br>Nuclear) | Name<br>and<br>Contact<br>of Focal<br>Person | Risk Level<br>(low,<br>medium,<br>high) | Prone to Hazard?<br>Fire/ Floods/<br>Earthquake |
|----|---------------|----------|--------------------|---------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|-------------------------------------------------|
| 1  | -             | -        | -                  | -                                                                   | -                                            | -                                       | -                                               |

## ANNEX VI: LIST OF NGOS WORKING IN THE DISTRICT

| S# | NGO Name                                                                                  | NGO Type<br>(Local,<br>National,<br>International) | Location<br>where they<br>are working      | Sector/Cluster<br>of work (e.g.<br>WASH, Health,<br>Education) | Focal<br>Person<br>Name | Contact No.  |
|----|-------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|-------------------------|--------------|
| 1  | National Rural Development Programme Narowal                                              | Local                                              | City Narowal                               | Health                                                         | Mirza muqeeem 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 Shakargarh                             | 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 Shakargarh                  | Health    | Abid Ali               | 0300-4149828                |
| 8  | Dehati Falahi Foundation Rangra                    | Local | Rnagra tehsil Shakargarh                    | Education | Muhammad Aslam         | 0542-430284                 |
| 9  | Help & Development Organization Shakargarh         | Local | City shakargarh                             | 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<br>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                       | Zulifqar Ahmed Ghuman       | 055-9201326        | 055-9200165             | 0304-0920051 |
| 3  | RPO                                | Rao Abdul Qayum             | 055-9200604        | 055-9200603             | 0300-8719666 |
| 4  | DC                                 | Mr. Zaheer Hasan            | 0542- 920010-20    | 0542-920121-22          | 0304-0920067 |
| 5  | DPO                                | Mr. Syed Ali Akber Shah     | 0542-412800        | 0542-920200             | 0303-6661750 |
| 6  | ADC (R)                            | Mrs. Ayesha Ghazanfar       | 0542-920063        | -                       | 0345-0519996 |
| 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        | -                       | 0300-7147040 |
| 10 | SNA                                | Muhammad Ali Sher           | 0542-920014        | -                       | 0306-6133067 |
| 11 | AC Narowal                         | Mrs. Syeda Tehniyat Bukhari | 0542-920022        | -                       | 0321-4465650 |
| 12 | AC Zafarwal                        | Irfan Martin                | 0542-501040        | -                       | 0345-7428697 |
| 16 | AC Shakargarh                      | Muhammad Usman Akram        | 0542-450474        | -                       | 0333-4652719 |
| 17 | Tehsildar - Narowal                | Sardar Tariq                | -                  | -                       | 0303-4092123 |
| 18 | Tehsildar - Shakargarh             | Zaheer Ahmed                | -                  | -                       | 0302-8696796 |
| 22 | Tehsildar – Zafarwal               | Muhammad Ashiq              | -                  | -                       | 0300-7594121 |
| 23 | Chief Officer MC Narowal           | Waqar Ahmed                 | 0542-412231        | -                       | 0321-3719999 |
| 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                     | Javed Butt                  | 0542-920090        | -                       | 0333-0826776 |
| 31 | XEN Buildings                      | M. Sami Ullah               | 0542-920173        | -                       | 0300-2555123 |
| 32 | XEN Highways                       | Awais Nazir                 | 0542-920199        | -                       | 0334-4244184 |
| 33 | Deputy Director Agriculture (Ext.) | Muhammad Arif               | 0542-412379        | -                       | 0302-4240551 |
| 34 | CEO (DHA), Narowal                 | Dr. Hafiz Muhammad Khalid   | 0542-411714        | -                       | 0300-8714846 |
| 35 | MS DHQ Hospital                    | Dr. M. Shahbaz              | 0542-920119        | -                       | 0300-4235223 |
| 36 | Addl. Director, Livestock          | Dr. Muhammad Aslam          | 0542-920157        | -                       | 0333-4499066 |

## 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. | Arsan 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 | BHANIAN    | 3456133512               |             | 10 Min                       |
| 140 | Sattar Maseeh     | 34501-2047284-9 | BHANIAN    | 3157924921               |             | 10 Min                       |
| 141 | Iftakhar Ahmed    | 34501-5125752-1 | BHANIAN    | 3003671638               |             | 10 Min                       |
| 142 | Muhammad Nazir    | 34501-4865893-9 | BHANIAN    | 3034798101               |             | 10 Min                       |
| 143 | Muhammad Shahbaz  | 34501-0954246-7 | BHANIAN    | 3034798101               |             | 10 Min                       |
| 144 | Asif Ali          | 34405-0559549-7 | BHANIAN    | 3416213932               |             | 10 Min                       |
| 145 | Ali Raza          | 34501-7725884-3 | BHANIAN    | 3064002230               |             | 10 Min                       |
| 146 | Qasir Ali         | 34501-6656495-3 | BHANIAN    | 3084573832               |             | 10 Min                       |
| 147 | Amir Shahzad      | 35202-9879618-5 | BHANIAN    | 3415632425               |             | 10 Min                       |
| 148 | Muhsin Raza       | 34501-3128468-5 | BHANIAN    | 3064531858               |             | 10 Min                       |
| 149 | Muhammad Bilal    | 34501-5155432-1 | BHANIAN    | 3085275308               |             | 10 Min                       |
| 150 | Muhammad Ramzan   | 34501-8976496-3 | BHANIAN    | 3085275308               |             | 10 Min                       |
| 151 | Sakhawat Ali      | 34501-3349499-3 | BHANIAN    | 3004864391               |             | 10 Min                       |
| 152 | Muhammad Yaseen   | 34501-8783746-7 | BHANIAN    | 3007517379               |             | 10 Min                       |
| 153 | Sajjad Ali        | 34501-1575848-3 | BHANIAN    | 3007768369               |             | 10 Min                       |
| 154 | Muhammad Riyaz    | 34502-0616267-7 | BHANIAN    | 30049281217              |             | 10 Min                       |
| 155 | Qaisar Ali        | 34501-3217799-1 | BOLA BAJWA | 3414600494               |             | 15 Min                       |
| 156 | Muhammad Asghar   | 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 Husssain  | 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. | Mubariz Mohsin       | 34502-6010597-3 | Shakargarh | 0302-6193623             |             | available 24/7               |
| 16. | Awais Raza           | 61101-0426361-1 | Narowal    | 0342-4827900             |             | available 24/7               |
| 17. | Waqas Sarwar         | 34501-2164590-9 | Narowal    | 0301-6183042             |             | available 24/7               |
| 18. | Amir Mehmood         | 34502-7309007-5 | Shakargarh | 0300-7776681             |             | available 24/7               |
| 19. | M . Raffaq Munawar   | 34501-6457033-9 | Narowal    | 0300-7774523             |             | available 24/7               |
| 20. | Amir Naeem           | 34602-9150649-1 | Pasrur     | 0301-5275352             |             | available 24/7               |
| 21. | Zafar Iqbal          | 34501-1963964-9 | Narowal    | 0333-8302928             |             | available 24/7               |
| 22. | Sajjad Abbas         | 34502-2240229-3 | Shakargarh | 0300-8146913             |             | available 24/7               |
| 23. | Gulzar Ahmad         | 34502-0835646-9 | Shakargarh | 0308-6334857             |             | available 24/7               |
| 24. | Muhammad Bilal       | 34501-4962347-5 | Narowal    | 0345-6671982             |             | available 24/7               |
| 25. | Husnain Haider       | 34501-1996268-9 | Zafarwal   | 0300-4421512             |             | available 24/7               |
| 26. | H .M. Zahid Hamid    | 34502-1854741-5 | Shakargarh | 0300-7764495             |             | available 24/7               |
| 27. | M. Asif Javid        | 34501-1513668-1 | Narowal    | 0302-6796047             |             | available 24/7               |
| 28. | M. Shafique          | 34502-9660045-3 | Shakargarh | 0308-4208891             |             | available 24/7               |
| 29. | M Haseeb Khan        | 34502-5141801-7 | Shakargarh | 0302-6309786             |             | available 24/7               |
| 30. | M. Tayyab Irshad     | 34502-3592228-5 | Shakargarh | 0303-4271122             |             | available 24/7               |

| S#  | Name                 | CNIC            | Address    | Contact Number and Email | Blood Group | Time Required to be on-board |
|-----|----------------------|-----------------|------------|--------------------------|-------------|------------------------------|
| 31. | Hassan Javed         | 34501-4546292-5 | Narowal    | 0300-7771833             |             | available 24/7               |
| 32. | M. Naeem Akhtar      | 34501-1384328-3 | Narowal    | 0333-8878093             |             | available 24/7               |
| 33. | Shahid Mehmood       | 34502-9765233-5 | Shakargarh | 0333-3545150             |             | available 24/7               |
| 34. | Qaiser Nadeem        | 34501-1344895-3 | Narowal    | 0345-6669050             |             | available 24/7               |
| 35. | Usman Muzammil       | 34501-6383183-1 | Shakargarh | 0305-6053397             |             | available 24/7               |
| 36. | H Abdul Wahid        | 34501-8726528-5 | Narowal    | 0303-4115196             |             | available 24/7               |
| 37. | Mustensar Ramzan     | 34502-5950795-7 | Shakargarh | 0307-7296547             |             | available 24/7               |
| 38. | Khalil Akhtar        | 37406-0621443-1 | Zafarwal   | 0307-7291449             |             | available 24/7               |
| 39. | Danish Javed         | 34501-7604819-5 | Narowal    | 0300-7770505             |             | available 24/7               |
| 40. | M Ihsan Khan         | 34501-4195752-1 | Shakargarh | 0307-6497066             |             | available 24/7               |
| 41. | Muhammad Usman       | 34502-3799615-5 | Shakargarh | 0305-4984129             |             | available 24/7               |
| 42. | Tasawar Jameel       | 34502-0749188-9 | Zafarwal   | 0335-4053552             |             | available 24/7               |
| 43. | Touseef Dildar Ahmed | 34501-1708978-9 | Narowal    | 0340-7257393             |             | available 24/7               |
| 44. | Abu-Ul-Hasan         | 34501-8778708-9 | Narowal    | 0300-7772598             |             | available 24/7               |
| 45. | Safdar Rasool Shakir | 34501-9055311-9 | Narowal    | 0345-3451122             |             | available 24/7               |
| 46. | Muhammad Imran       | 34502-4353008-7 | Shakargarh | 0300-6441122             |             | available 24/7               |
| 47. | Saqib ur Rehman      | 34501-3919383-5 | Narowal    | 0344-6524324             |             | available 24/7               |
| 48. | Sajid Rafique        | 34501-2318702-9 | Narowal    | 0333-7375711             |             | available 24/7               |
| 49. | M. Rizwan            | 34501-9621655-1 | Narowal    | 0346-6787443             |             | available 24/7               |
| 50. | Mudassar Mehmood     | 34502-1551556-9 | Narowal    | 0304-2793800             |             | available 24/7               |
| 51. | M. Sarwar            | 34501-1918232-7 | Narowal    | 0300-6194052             |             | available 24/7               |
| 52. | Nasir Mehmood        | 34502-1747011-1 | Narowal    | 0300-7761503             |             | available 24/7               |
| 53. | Syed Nayyer Abbas    | 34501-1950017-9 | Narowal    | 0321-5842927             |             | available 24/7               |
| 54. | M. Shahid            | 35201-6286152-1 | Shakargarh | 0301-4924716             |             | available 24/7               |
| 55. | Muhammad Aslam       | 34402-1537085-9 | Shakargarh | 0300-8852013             |             | available 24/7               |
| 56. | M.Shafique           | 34502-1556395-3 | Shakargarh | 0304-1382995             |             | available 24/7               |
| 57. | Nisar Ahmad          | 34501-9688004-3 | Narowal    | 0345-6769057             |             | available 24/7               |
| 58. | Sattar Haider        | 34501-1931303-9 | Narowal    | 0300-7109420             |             | available 24/7               |
| 59. | Azhar Farooq         | 34602-7327243-7 | Narowal    | 0342-6326926             |             | available 24/7               |
| 60. | Abdul Sattar         | 34502-8793352-1 | Shakargarh | 0303-5453175             |             | available 24/7               |
| 61. | M Shahzad Asghar     | 34501-4935037-9 | Narowal    | 0301-6363698             |             | available 24/7               |

| S#  | Name                | CNIC            | Address    | Contact Number and Email | Blood Group | Time Required to be on-board |
|-----|---------------------|-----------------|------------|--------------------------|-------------|------------------------------|
| 62. | M. Ansar Khan       | 34501-1471775-9 | Shakargarh | 0345-4395506             |             | available 24/7               |
| 63. | M. Ejaz Khan        | 34501-1614721-3 | Shakargarh | 0300-7764408             |             | available 24/7               |
| 64. | Hafiz M. Afzal Khan | 34502-1605113-5 | Narowal    | 0308-6336401             |             | available 24/7               |
| 65. | Sazawar Ali         | 34501-6620927-3 | Narowal    | 0342-0223188             |             | available 24/7               |
| 66. | M Tayyab Nisar      | 34502-3942299-3 | Shakargarh | 0320-5370184             |             | available 24/7               |
| 67. | Fakhar Mehmood Khan | 34502-4061272-5 | Narowal    | 0345-6668890             |             | available 24/7               |
| 68. | M. Azeem            | 34502-9958276-9 | Zafarwal   | 0306-6685665             |             | available 24/7               |
| 69. | Wahab Sultan        | 34502-6164368-3 | Shakargarh | 0300-7169023             |             | available 24/7               |
| 70. | Ghulfam Khalid      | 34602-4333069-3 | Narowal    | 0321-7774794             |             | available 24/7               |
| 71. | Irfan Ahmed         | 34501-6375796-7 | Narowal    | 0300-4314541             |             | available 24/7               |
| 72. | 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 |
| <b>NA-77<br/>Narowal-1</b> | MS. Mehnaz Akber Aziz                     | -                                                                            | 0300-8564135   | PP-46                     | Pir Sayed Saeed ul Hassan       | Minister Auqaf & Religious Affairs | 0300-9414056   |
| <b>NA-78</b>               | 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       | Vacant | -              | -             |
| 2  | ADLG        | Teh. Narowal         | Vacant | -              | -             |
| 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. |
|----|----------------|-------------|------|-------|--------|-----------------|-------------------------------------|--------------------------|--------------------------------|--------------------------------|
|----|----------------|-------------|------|-------|--------|-----------------|-------------------------------------|--------------------------|--------------------------------|--------------------------------|

**P5: Crop Damages**

District: \_\_\_\_\_

Date: \_\_\_\_\_

| S# | Tehsil | Qanoongoi | Union Council | Mauza | Farmer Name | Land owner/Tenant | CNIC of farmer | Contact number | Type of Crops | Total land affected (acres) | % of mauza affected |
|----|--------|-----------|---------------|-------|-------------|-------------------|----------------|----------------|---------------|-----------------------------|---------------------|
|----|--------|-----------|---------------|-------|-------------|-------------------|----------------|----------------|---------------|-----------------------------|---------------------|

**P6: Relief Distribution Tracking 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 |
|----|-----------------------|-----------------------|-------|----------|----------------------|---------------|-------------|-------------|----------|
|----|-----------------------|-----------------------|-------|----------|----------------------|---------------|-------------|-------------|----------|

**P7: Private Machinery (Boats, Bulldozers, Cranes etc.)**

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

District: \_\_\_\_\_

Date: \_\_\_\_\_

| S# | Name of boat owner | Father name | Contact Number | Age | CNIC | Location of boat/Machinery | Type of Machinery (Boat, Bulldozers, Cranes etc.) | Engine type | Boat capacity | Equipment Condition | Number of Machinery |
|----|--------------------|-------------|----------------|-----|------|----------------------------|---------------------------------------------------|-------------|---------------|---------------------|---------------------|
|----|--------------------|-------------|----------------|-----|------|----------------------------|---------------------------------------------------|-------------|---------------|---------------------|---------------------|

**P8: Relief camp registration 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 |
|----|-------------|----------|------|--------|-----|-------------------|-----------------|------|---------|----------|
|    |             |          |      |        |     |                   |                 |      |         |          |

**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. |
|----|-------------|-------------|-----------------|--------------------|------------------------------|----------------------|-----------------------------------|
|    |             |             |                 |                    |                              |                      |                                   |

**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 |
|----|--------------------------|-----------------------------------|------------------------------------|-------------------------------------|---------------|-------------|-----------------|
|    |                          |                                   |                                    |                                     |               |             |                 |

## 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              |
|------------------------------|----------------------------------------------|
| <b>Shelter</b>               | 3.5 square meter per person                  |
| <b>Water</b>                 | 15-20 liters per person per day              |
| <b>Food</b>                  | 2100 kcal per person per day                 |
| <b>Toilet</b>                | One per family of 6-10 persons               |
| <b>Health Centre</b>         | One per 20,000 persons                       |
| <b>Child Friendly Spaces</b> | 2-4 year olds- 15 children:2 facilitators    |
|                              | 5-9 year olds-20 children : 2 facilitators   |
|                              | 10-18 year olds- 30 children :2 facilitators |
| <b>Hospital</b>              | 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)    |
|----------------------------|------------------------------|-------------------------------|----------------|
| <b>SARGODHA ZONE</b>       |                              |                               |                |
| 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         |
|                            | <b>Total in feet.</b>        |                               | <b>25,413</b>  |
|                            | <b>Total in Miles.</b>       |                               | <b>4.81</b>    |
| <b>PMO BARRAGES</b>        |                              |                               |                |
| 1                          | Kalabagh H/Works Division    | Jinnah Barrage                | 25,080         |
| -                          | <b>Total in feet.</b>        |                               | <b>25,080</b>  |
| -                          | <b>Total in Miles.</b>       |                               | <b>4.75</b>    |
| <b>FAISALABAD DIVISION</b> |                              |                               |                |
| 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         |
|                            | <b>Total in feet.</b>        |                               | <b>296888</b>  |
|                            | <b>Total in Miles.</b>       |                               | <b>56.22</b>   |
| <b>BAHAWALPUR ZONE</b>     |                              |                               |                |
| 1                          | Punjnad Head works Division  | Right Marginal Bund           | 70554          |
| 2                          | -do-                         | Left Marginal Bund            | 65169          |
| 3                          | -do-                         | Colony Protection Bund        | 15,000         |
| 4                          | Khanpur Canal Division       | Minchin Flood Bund            | 115300         |
|                            | <b>Total in feet.</b>        |                               | <b>266,023</b> |
|                            | <b>Total in Miles.</b>       |                               | <b>50.23</b>   |
| <b>MULTAN ZONE.</b>        |                              |                               |                |
| 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         |
|                            | <b>Total in feet.</b>        |                               | <b>280,210</b> |
|                            | <b>Total in Miles.</b>       |                               | <b>53.07</b>   |
| <b>D.G.KHAN ZONE</b>       |                              |                               |                |
| 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          |
|                            | <b>Total in feet.</b>        |                               | <b>913,785</b> |
|                            | <b>Total in miles</b>        |                               | <b>173.06</b>  |

| 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<br>Narowal | Jassar Highway Bund                                                                                  | 20,000  |
| 2           | do                             | Rayya flood Bund                                                                                     | 40,000  |
| 3           | Pasrur Link Division Sialkot   | City Flood Protection Bund along<br>Aik Nullah                                                       | 7,340   |
| 4           | do                             | Hajoipur Flood Protection Bund<br>along Aik Nullah                                                   | 86,00   |
| 5           | do                             | Left Flood Protection Bund over<br>deg Nullah from defence<br>embankment to Zafarwala Kingra<br>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.)   |
|------------------------|----------------------------|--------------------------------|----------------|
| <b>SARGODHA ZONE</b>   |                            |                                |                |
| 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          |
|                        | <b>Total in feet.</b>      |                                | <b>35,000</b>  |
|                        | <b>Total in miles</b>      |                                | <b>6.63</b>    |
| <b>FAISALABAD ZONE</b> |                            |                                |                |
| 1                      | Khani Division             | -do-                           | 20,000         |
| 2                      | Jhang Division             | -do-                           | 50,000         |
| 3                      | Qadirabad Barrage Division | -do-                           | 60,000         |
| 4                      | Burala Division            | -do-                           | 35,000         |
|                        | <b>Total in feet.</b>      |                                | <b>165,000</b> |
|                        | <b>Total in miles</b>      |                                | <b>31.25</b>   |
| <b>BAHAWALPUR ZONE</b> |                            |                                |                |
| 1                      | Punjnad Headworks Division | -do-                           | 90,000         |
| 2                      | Khanpur Canal Division     | -do-                           | 100,000        |
| 3                      | Bahawalpur Canal Division  | -do-                           | 50,000         |
| 4                      | Rahimyar Canal Division    | -do-                           | 50,000         |
|                        | <b>Total in feet.</b>      |                                | <b>290,000</b> |
|                        | <b>Total in miles</b>      |                                | <b>54.92</b>   |
| <b>MULTAN ZONE</b>     |                            |                                |                |

|                      |                                |      |                |
|----------------------|--------------------------------|------|----------------|
| 1                    | Trimmu Division                | -do- | 80,000         |
| 2                    | Suleimanki Division            | -do- | 50,000         |
| 3                    | Shujabad Canal Division        | -do- | 60,000         |
|                      | <b>Total in feet.</b>          |      | <b>190,000</b> |
|                      | <b>Total in miles</b>          |      | <b>35.98</b>   |
| <b>D.G.KHAN ZONE</b> |                                |      |                |
| 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         |
|                      | <b>Total in feet.</b>          |      | <b>630,000</b> |
|                      | <b>Total in miles</b>          |      | <b>119.32</b>  |
| <b>LBDC (IP)</b>     |                                |      |                |
| 1                    | Balloki Headworks Division     | -do- | 40,000         |
| 2                    | Okara Division                 | -do- | 40,000         |
| 3                    | Sahiwal Division               | -do- | 20,000         |
|                      | <b>Total in feet.</b>          |      | <b>100,000</b> |
|                      | <b>Total in miles</b>          |      | <b>18.94</b>   |
| <b>LAHORE ZONE</b>   |                                |      |                |
| 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         |
|                      | <b>Total in feet.</b>          |      | <b>422,000</b> |
|                      | <b>Total in miles</b>          |      | <b>79.92</b>   |
| <b>PMO BARRAGES</b>  |                                |      |                |
| 1                    | Jinnah Barrage                 | -do- | 20,000         |
|                      | <b>Total in feet.</b>          |      | <b>20,000</b>  |
|                      | <b>Total in miles</b>          |      | <b>3.79</b>    |
|                      | <b>Grand Total (in miles)</b>  |      | <b>350.76</b>  |

## ANNEX XIV: RIVER DISCHARGE RATES

| River  | Gauge Site    | Designed Capacity<br>(lac Cs) | Flood Limits in Lac Cs. |      |      |           |           |
|--------|---------------|-------------------------------|-------------------------|------|------|-----------|-----------|
|        |               |                               | Low                     | Med: | High | Very High | Exp. High |
| INDUS  | Kalabagh      | 9.5                           | 2.5                     | 3.75 | 5    | 6.5       | 8         |
|        | Chashma       | 9.5                           | 2.5                     | 3.75 | 5    | 6.5       | 8         |
|        | Taunsa        | 10                            | 2.5                     | 3.75 | 5    | 6.5       | 8         |
| JHELUM | Kohala        | 12                            | 1                       | 1.5  | 2    | 3         | 4         |
| CHENAB | Mangla        | 10.6                          | 0.75                    | 1.1  | 1.5  | 2.25      | 3         |
|        | Rasul         | 8.5                           | 0.75                    | 1.1  | 1.5  | 2.25      | 3         |
|        | Marala        | 11                            | 1                       | 1.5  | 2    | 4         | 6         |
|        | Khanki        | 11                            | 1                       | 1.5  | 2    | 4         | 6         |
|        | Qadirabad     | 9                             | 1                       | 1.5  | 2    | 4         | 6         |
|        | Trimmu        | 8.75                          | 1.5                     | 2    | 3    | 4.5       | 6         |
|        | Punjnad       | 7                             | 1.5                     | 2    | 3    | 4.5       | 6         |
| RAVI   | Jassar        | 2.75                          | 0.5                     | 0.75 | 1    | 1.5       | 2         |
|        | Ravi Syphon   | 4.25                          | 0.4                     | 0.65 | 0.9  | 1.35      | 1.8       |
|        | Shahdara      | 2.5                           | 0.4                     | 0.65 | 0.9  | 1.35      | 1.8       |
|        | 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.