

MONSOON CONTINGENCY PLAN 2022



Relief, Rehabilitation & Settlement
Department, Govt. of Khyber Pakhtunkhwa



PROVINCIAL DISASTER
MANAGEMENT AUTHORITY

TOWARDS DISASTER RESILIENT KHYBER PAKHTUNKHWA



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LIST OF ACRONYMS

AAC	Additional Assistant Commissioner
AC	Assistant Commissioner
ADB	Asian Development Bank
ADC	Additional Deputy Commissioner
CDPM	Centre for Disaster Preparedness and Management, University of Peshawar
COVID – 19	Corona Virus Disease 2019
DC	Deputy Commissioner
DDMO	District Disaster Management Officer
DDMU	District Disaster Management Unit
DNA	Damage Need Assessment
DRM	Disaster Risk Management
FFC	Federal Flood Commission
FFD	Flood Forecasting Division
GLOF	Glacial Lake Outburst Flood
GLOF-II	Glacial Lake Outburst Flood (Phase-II)
HH	House Hold
HRF	Humanitarian Response Facility
MC	Municipal Corporation
MO	Municipal Officer
MHVRA	Multi Hazard Vulnerability Risk Assessment
OBM	Out-Board Motors
PCIW	Pakistan Commissioner for Indus Waters
EOC	Provincial Emergency Operation Centre
PRCS	Pakistan Red Crescent Society
PMD	Pakistan Meteorological Department
UNOCHA	United Nations Office for the Coordination of Humanitarian Affairs
UN	United Nations
UNDP	Nation Development Program
WB	World Bank
WFP	World Food Program
WHO	World Health Organization

MESSAGE FROM SECRETARY RELIEF, REHABILITATION & SETTLEMENT DEPARTMENT, KHYBER PAKHTUNKHWA

The current monsoon contingency plan developed in close coordination with Federal and Provincial government line departments, district administration and humanitarian partners depicts the pivotal role of Provincial Disaster Management Authority for minimizing the impacts of various natural disasters. The plan has been structured into analysis and operational parts including clear cut SOPs for various stakeholders; which make it more attractive to both planners and implementers.

In the current context of global warming and changing climatic conditions, the challenges faced by the department are multi-dimensional in nature ranging from the devastating effects of heat wave, urban, riverine and Flash Floods, landslides, avalanches, GLOFs and cloud bursts which often trigger emergency situations of various categories and result in human, land, crops, infrastructure & economic activity losses of millions as is evident from the events of last few decades including the super floods of 2010. God forbade, but the intensity and severity of these events may escalate in the future due to the changing extreme weather patterns and climatic conditions.

To mitigate and minimize the risks associated with the changing climatic conditions and monsoon events, the current contingency plan of 2022 has been prepared by taking account of all vulnerable groups, risks and the hazards faced by these groups and the immediate case load to be processed in the wake of any emergency situation. I am confident that in case of any unwarranted monsoon event, the plan would serve as a guiding tool for tackling the situation by the decision makers of the province toward a resilient Khyber Pakhtunkhwa.



Mr. Yousaf Rahim

MESSAGE FROM DIRECTOR GENERAL PDMA, KHYBER PAKHTUNKHWA

The ability to mitigate and respond to the effects of any hazard is largely determined by the social structures and processes in place when a community is impacted. The province of Khyber Pakhtunkhwa is vulnerable to various climatic hazards like extreme high temperature, flash Flood, Riverine floods, Urban flood, GLOF, landslides, avalanches and heavy rainfall in the mountainous regions along Hindu Kush Range; with its inputs reaching to the adjacent districts of Chitral, Dir and Swat in the North and DI Khan in South. Prior planning and comprehensive strategies enable the respondents for early mitigation measures and coordinated response in case of untoward event .

The Monsoon Contingency Plan 2022 prepared by the Disaster Risk Management wing of PDMA is an attempt to address these challenges and chalk out mechanism for effective management of all such contingencies which may arise due to the changing climatic conditions. The plan reflects our determination towards disaster resilience Khyber Pakhtunkhwa as reflected in the Vision and Mission statement of the authority. Keeping the concerned informed and ready is the key to any successful mitigation effort. Increased level of preparedness means a more coordinated response when the flood or any untoward event occurs. To increase the emergency reaction capacity in case of Monsoon hazards, PDMA would stress upon the need for all the stakeholders to support each other concerning the importance of flood protection; take note of the ongoing actions and the need for a concerted national and provincial level action on flood prevention, protection and mitigation.



Mr. Sharif Hussain

ACKNOWLEDGMENT

Indeed it is an honour for me as the Director of Disaster Risk Management wing, PDMA to have developed the Monsoon Contingency Plan 2022 for Khyber Pakhtunkhwa. This plan has been developed in close synchronization with the respective Federal and provincial government line departments, District Administration and humanitarian agencies. The present document contains the guidance that would be needed by emergency respondents to arrange for necessary mitigation measures and provide relief to the potential affectees. All the stakeholders are encouraged to adopt the steps detailed in this plan, which are intended to contribute to limit the loss of precious human lives and damages to public and private infrastructure that may be caused by Floods.

The development of this Monsoon Contingency Plan was a collective effort by the DRM team who proactively contributed in scheduling of the information for this document. The team comprised of Mr. Haleem Shah, Deputy Director, Mr. Ismail Khan, DRR Specialist, Mr. Hammad Afridi, Assistant Director, Mr. Naeem Khalil, Assistant Director, Mr. Sajid Ali, Coordinator DRM, Mr. Waqar Ali Shah, MIS Officer and Mr. Qasim Jan, GIS specialist. Our team also recognizes the assistance offered by the contributing stakeholders including Federal/ Provincial Government Line Departments, District Administration and Humanitarian Agencies by sharing the necessary information and the data to make this document a comprehensive plan. We also acknowledge the support provided by the UNDP GLOF II project and WHH in development of this plan.

I am grateful to Dr Shahzad Khan Bangash, the Chief Secretary of Khyber Pakhtunkhwa and Mr. Yousaf Rahim Secretary RR&S Department for their encouragement, strategic guidance and support during preparation of this plan. Special thanks go to Mr. Sharif Hussain, Director General PDMA who took active part in all the consultative meeting and provided guidance throughout the process of development of this plan.

Zuhra Nigar
Director (DRM)
PDMA

PROVINCIAL DISASTER MANAGEMENT AUTHORITY, KHYBER PAKHTUNKHWA

The massive earthquake in 2005 reinforces the importance of effective disaster risk management structure and institutional arrangement in the country. Hence the government of Pakistan promulgated the “National Disaster Management Ordinance (NDMO)” in 2007. The ordinance was then converted in the “National Disaster Management Act” in 2010. Subsequently, the “National Disaster Management Policy” also came in to force in 2012. The Act and Policy ibid govern the full spectrum of Disaster Risk Management (DRM) through legal bodies and the establishment of an institutional system in all provinces and regions of Pakistan. The Provincial Assembly of Khyber Pakhtunkhwa localized the national level 2010 Act through insertion of new clauses regarding human induced disasters like militancy and terrorism incidents and made some other relevant changes in the context of peculiar situation of the province. Currently, National Disaster Management Khyber Pakhtunkhwa (Amendment) Act, 2012, governs the institutional arrangements for DRM in the province.

PDMA was established on 27 October, 2008 as a result of National Disaster Management Ordinance 2006. It was subsequently ratified through National Disaster Management Act 2010. Soon after its establishment, situation of militancy and extremism forced the government to carryout military operation in Malakand Division against extremist groups, which resulted in an influx of 3.5 million people. In order to manage that emergency situation, Emergency Response Unit (ERU) was established in May 2009 to support the newly established PDMA Khyber Pakhtunkhwa to handle the emergency situation. The then FATA Disaster Management Authority was responsible for disaster management activities in erstwhile FATA, however, after the merger of FATA with the province of Khyber Pakhtunkhwa, the said authority has been merged in PDMA Khyber Pakhtunkhwa in May 2019, which is now transformed into Complex Emergency Wing of PDMA.

Following are the Wings/Units of PDMA:

- 1) Relief, Operation and Coordination;
- 2) Administration and Finance;
- 3) Disaster Risk Management and Climate Change Adaptation;
- 4) Reconstruction and Rehabilitation;
- 5) Complex Emergency Wing;
- 6) Camp Management Unit;
- 7) Gender and Child Cell;
- 8) Provincial Emergency Operation Center- PEOC;
- 9) Media Coordination Unit.

EXECUTIVE SUMMARY

The majority of Pakistan's 216.5 million population live along the Indus River, an area prone to severe Flood in July and August of each year. Flood is one of the major problems faced by the people, especially those living in lowland areas. During the monsoon season results in large volumes of water flowing rapidly to the lowlands. The after effects are the presence of standing water in certain area for several days and soaking, even destroying whatever is in the area. This condition lead to the in the form of damages to infrastructure, and the loss of precious human lives and livestock.

Flood risk management aims to reduce the likelihood and/or the impact of floods and to ensure coordinated response. Effective flood risk management programmes include the following elements:

- Prevention: preventing damage caused by floods by avoiding construction of houses and industries in present and future flood-prone areas; by adapting future developments to the risk of Flood; and by promoting appropriate land-use, agricultural and forestry practices;
- Mitigation: taking measures, both structural and non-structural, to reduce the likelihood of floods and/or the impact of floods in a specific location;
- Preparedness: informing the population about flood risks and what to do in the event of a flood;
- Emergency response: developing emergency response plans for flood;
- Recovery and lessons learned: returning to normal conditions as soon as possible and mitigating both for the social and economic impacts on the affected population.

PDMA continues to emphasize upon the strategy incorporating all the above elements in its pre-planning and post event activities ranging from sector specific advisories, contingency planning, its true implementation response and rehabilitation. This contingency plan focuses on planning for the upcoming Monsoon 2022 hazards to identify and analyze related risks for not just their humanitarian impacts but also the associated adverse effects on private and public infrastructure, and to define roles and responsibilities of diverse stakeholders for preparedness and response. It is worth mentioning here that PDMA shared guidelines for 2022 Monsoon contingency planning with District Administrations, line departments, and other stakeholders primarily for anticipating likely scenarios and perceiving threat levels. While further drawing conclusions from the inputs through the technical experts and relevant departments, it mainly involves identifying gaps and challenges to effective emergency response and then planning and implementing a series of actions to increase response capacity and reduce potential gaps. Unlike former, simple or generic plans scenarios were used as a basis for developing preparedness plans. The key anticipated outcomes are:

- Awareness for Building Capacities for Response;
- Depict anticipated threat perception for earmarking required resources;
- Build Integrated Planning Capacities, and;
- Define required gaps ensuing Preparatory Measures.

Disaster risk reduction and management, attempting to address risks associated with potential hazards is an integral part of development. Consequently, it is less events and more process oriented. It is based on a continuous assessment of vulnerabilities and risks involving the role of multiple actors and stakeholders. Given the complexity, contingency planning is required to define what preparedness mechanisms will be used, when and where. the contingency planning offers agencies, both government and humanitarian the opportunity to define when, where and why their emergency response resources will be deployed, when emergency funds

will be used and what kind of responses, materials and types of personnel they will need.

The lessons learnt from unprecedented floods of 2010 followed by heavy monsoon rainfalls of 2011, flash Flood in 2012, the rainfalls of 2016-17 and subsequent disasters required quick and effective actions to control the situation and above all, to save lives. However, effective action depends on the existence of practical and well tested contingency plans. The Provincial Contingency Plan has been formulated to translate recommendations from District Administrations, line departments and other stakeholders into action. However, the devastation caused due to floods/ rainfalls witnessed during recent years has necessitated for taking on board all agencies for an integrated contingency planning, involving government departments, districts administrations, armed forces and humanitarian assistance organizations, thereby ensuring synergized and optimal utilization of resources by agencies in the field while complementing each other with appropriate linkages and better coordination to support actions along lines of command.



CHAPTER 1

MONSOON AND CLIMATIC HAZARDS IN KHYBER PAKHTUNKHWA



1.1 AN OVERVIEW OF KHYBER PAKHTUNKHWA

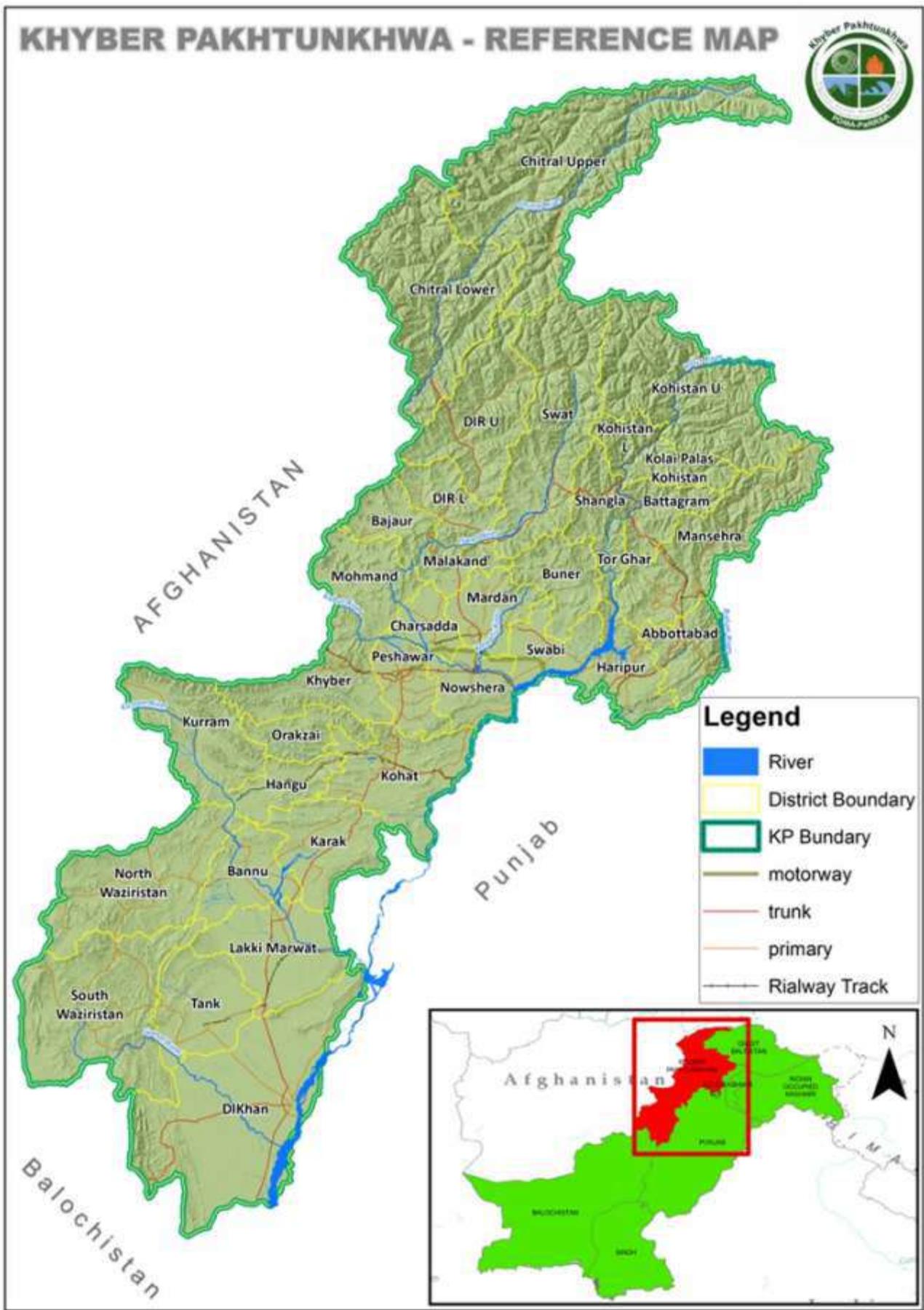
The province of Khyber Pakhtunkhwa has population of 35.53 million as per census 2017 of Pakistan including the newly merged districts which constitutes a total of 4.4 Million House Holds. Urban to rural distribution of the population shows a ratio of 29.65 Million Rural and 5.87 Million Urban Population. The age groups distribution shows a total of 18.47 Million Children and 17.05 Adults. Furthermore, 1.5 million Afghan refugees also remained in the province.

1.2 CLIMATE OF KHYBER PAKHTUNKHWA

The climate of the province varies with elevation. With the mountain ranges experiencing cold winters and cool summers, temperatures tend to spark towards the southern end. Precipitation over the province is variable but average is roughly 16 inches (400 mm) annually, with much of this occurring during the period from January to April.

The climate of Khyber Pakhtunkhwa varies immensely and encompassing most of the many climate types found in Pakistan. The province stretching southwards from the Baroghil Pass in the Hindu Kush covers almost six degrees of latitude; it is mainly a mountainous region.

Dera Ismail Khan is one of the hottest places in South Asia while in the mountains to the north the weather is mild in the summer and intensely cold in the winter. The air is generally very dry; consequently, the daily and annual range of temperature is quite large. Rainfall also varies widely. Although large parts of Khyber Pakhtunkhwa are typically dry, the province also contains the wettest parts of Pakistan in its eastern fringe especially in monsoon season from mid-June to mid-September.



1.3 ADVERSE IMPACTS OF CLIMATE CHANGE ON KHYBER PAKHTUNKHWA

The climate change has numerous adverse impacts on our province like:

- increased frequency and intensity of extreme weather events, coupled with erratic monsoon rains causing frequent and intense floods and droughts;
- Heatwave which has a multidimensional effect on separate regions. It causes melting of Glaciers in the North and creates drought like situation in the plains of the South;
- Projected recession of the Hindu Kush-Karakoram-Himalayan (HKH) glaciers due to global warming;
- Biological diseases of varying nature
- Rising temperatures resulting in enhanced heat and water-stressed conditions, leading to reduced agricultural productivity and droughts;
- Loss of species diversity both in forests as well as Urban and Rural areas;
- Increase in insect infestation on plants especially agriculture crops;
- Clean drinking water scarcity;
- Decrease in already, scanty forest cover due to deforestation;
- Rapid melting of Glaciers causes Glacial Lake Outburst Flood –GLOF which again is a factor contributing to Flood in plain areas.

1.4 HYDRO-METROLOGICAL EVENTS/HAZARD IN KHYBER PAKHTUNKHWA

Climate changes have increased the intensity and frequency of the hazards faced by Khyber Pakhtunkhwa. The monsoon phenomena is getting worse and the province of Khyber Pakhtunkhwa had experienced the severe monsoon incidents due to climate change. Some of the major monsoon incidents occurred during the last decade in Khyber Pakhtunkhwa are as following.

- 1) Mega Floods of 2010;
- 2) Floods of 2015;
- 3) GLOF events 2014-15 and onward;
- 4) Cloud Bursting and Medium Flood Monsoon 2020;
- 5) Glacial Lake Outburst at Golain, Chitral Monsoon 2020;
- 6) Heavy rains/Thunder storms Shangla Swat Monsoon 2020;
- 7) Yearly Recurrent severe rains damages in various districts;
- 8) Landslides in Northern districts.

1.4.1 FLOODS

Khyber Pakhtunkhwa has a complex river system with many smaller rivers draining into the Indus River running through the province. The major rivers that cross the region are Kabul, Swat, Pajkora, Kurram, Gomal and Zhob Rivers. The Indus River and its tributaries have a capacity of 154 MAF (Million Acre Feet) of water annually. The main regions prone to flood catchment in Khyber Pakhtunkhwa are the Himalayan. It is most likely that this region will experience intense precipitation especially in lower Kaghan Valley, Galiat and southern parts of Kohistan. Floods in 2010 were a climatic phenomenon that played havoc with the lives in large area of Khyber Pakhtunkhwa. The magnitude of the calamity can be gauged from data compiled by the Federal Flood Commission, which states the combined flow of rivers Swat and Kabul touched a new historical height of 400,000 cusec as compared to the previous figure of 250,000 cusecs which was recorded in 1929.

1.4.2 HEAT WAVE & RAPID GLACIERS MELT

Heat Wave is another phenomena triggered due to climate change and in turn it causes rapid glacier melting in northern region, flood in central and drought in southern region.

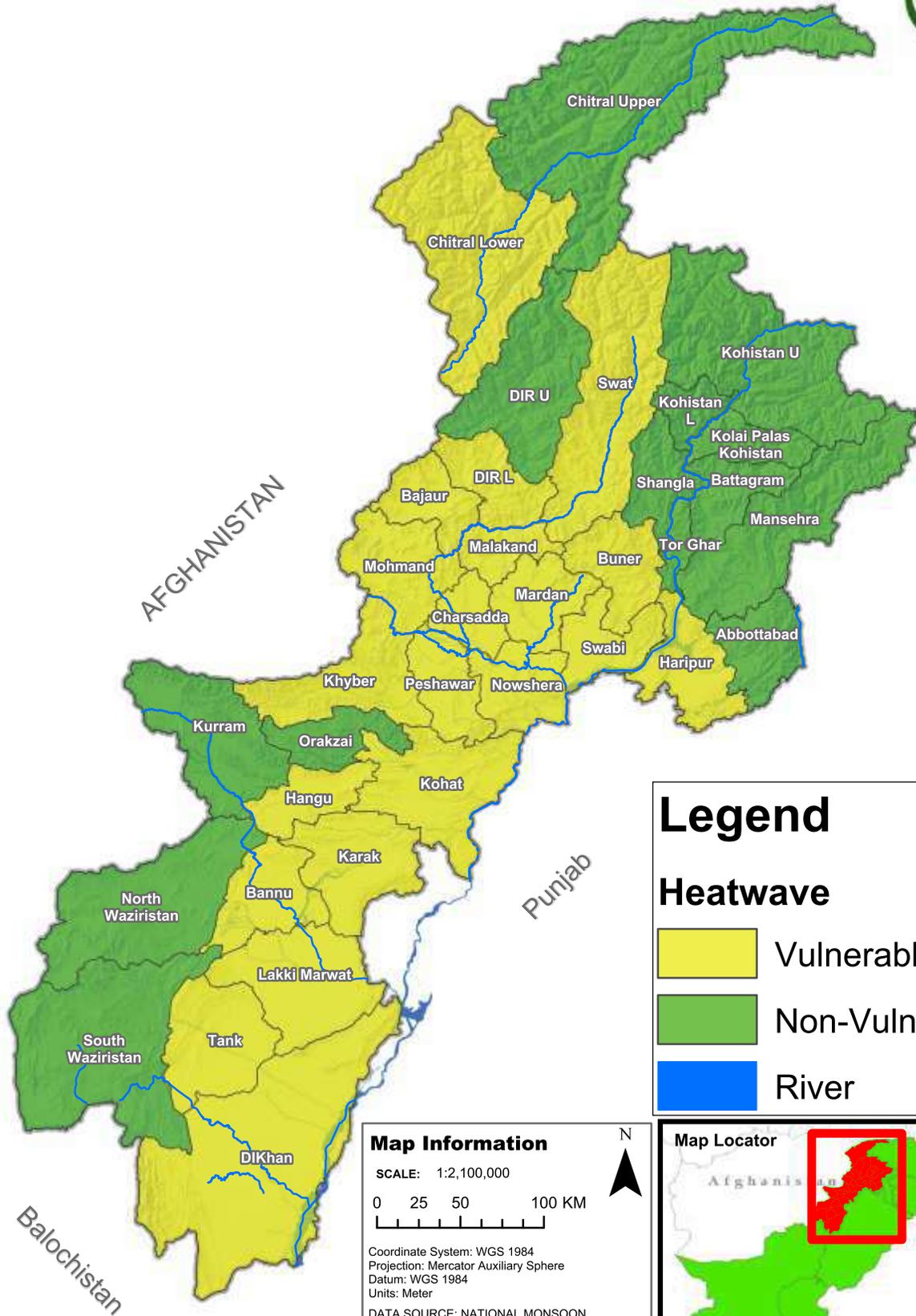
With the recent Heatwave which has previously never been recorded during the months of May, the year 2022 is proving to be highly unpredictable from the perspective of weather systems.

Keeping in view the updates received from Pakistan Metrological Department (PMD), PDMA issued official advisories to the concerned departments for the following measures.

- Monitor the functionality of the early warning system on regular basis;
- Monitoring of river beds to ensure avoidance of any obstruction in water flow;
- Construction as well as other industrial units to adopt precautionary measures to avoid heatstroke;
- To establish heatstroke centers across province with all relief measures ensured;
- Ensure availability of essential medicines on urgent basis;
- All education institutions to minimize the study hours in wake of prevailing Heatwave;
- Police and Traffic Police departments, to ensure availability of necessary equipment for field staff for protection against heatstroke;
- Precautionary measures by farmers during wheat harvesting;
- Safety of livestock;

Besides the above advisories, a Heat Wave Action Plan has been developed wherein roles and responsibilities of stakeholders, coordination, surveillance, preparedness measure including immediate and long term actions have been specified.

KHYBER PAKHTUNKHWA - HEATWAVE VULNERABILITY



Legend

Heatwave

- Vulnerable
- Non-Vulnerable
- River

Map Information

SCALE: 1:2,100,000
 0 25 50 100 KM

Coordinate System: WGS 1984
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984
 Units: Meter

DATA SOURCE: NATIONAL MONSOON CONTINGENCY RESPONSE DIRECTIVES 2019

Prepared by GIS Cell PDMA

Map Locator



Sources: Esri, Garmin, USGS, INPS

1.4.3 FLASH FLOOD

A flash flood is a rapid Flood of low-lying areas: It may be caused by heavy rain associated with a severe thunderstorm, hurricane, tropical storm, or melt water from ice or snow flowing over ice sheets or snowfields or a sudden and destructive rush of water down a narrow gully or over a sloping surface, caused by heavy rainfall.

Flash Flood in numerous hill torrents across the province is also a common phenomenon. Almost one-third area of Khyber Pakhtunkhwa is vulnerable to flash floods due to rapid changes in the weather pattern.

The map shows vulnerable districts of Khyber Pakhtunkhwa with respect to Flash Flood hazards.

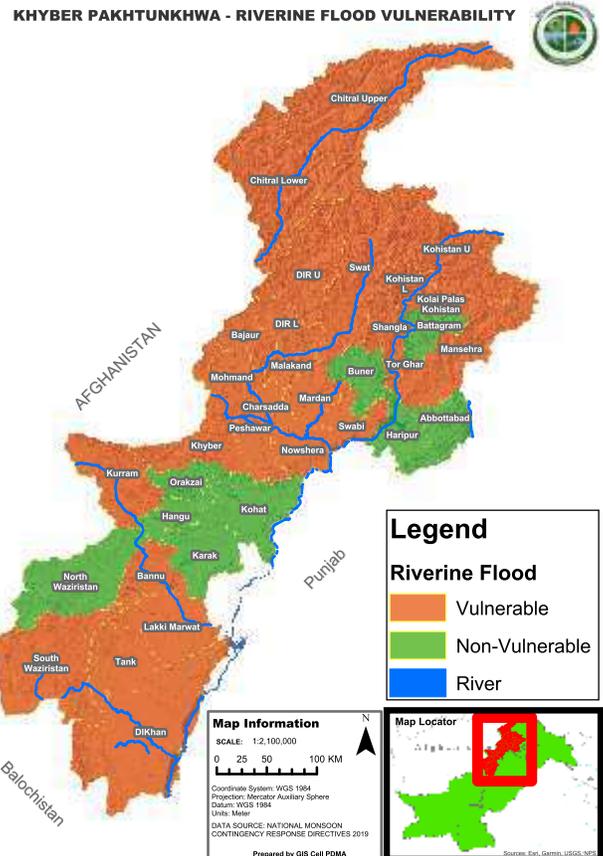
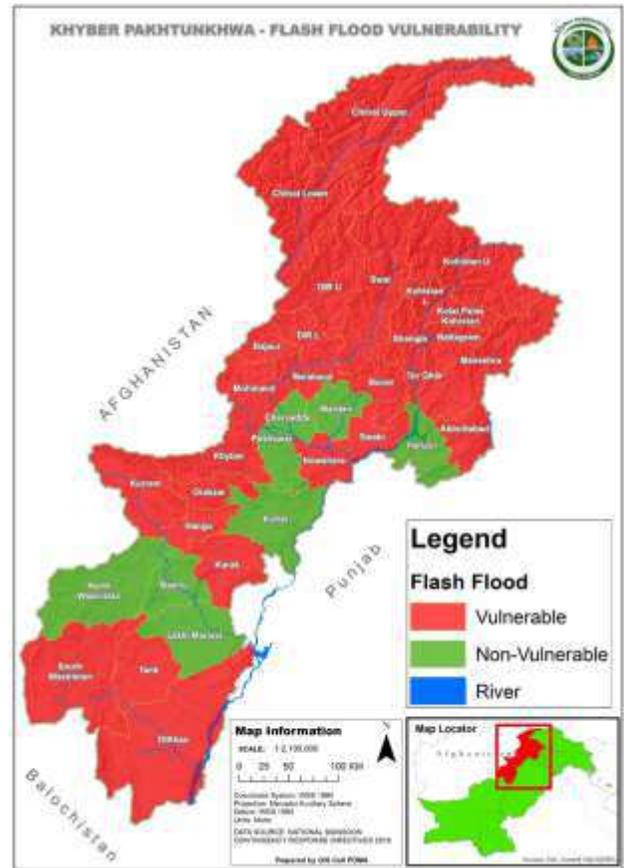
1.4.4 RIVERINE FLOOD

Riverine Flood occurs when excessive rainfall over an extended period of time causes a river to exceed its capacity. Particularly in Khyber Pakhtunkhwa, it is after the unprecedented 2010 Floods, that unregulated river flow pattern has resulted in widened spans and has also caused erosion at various places. During Monsoons these trends are likely to render populations residing close-by at risk; undermining the effectiveness of the protective arrangements; and risk severance of bridges and communication infrastructure.

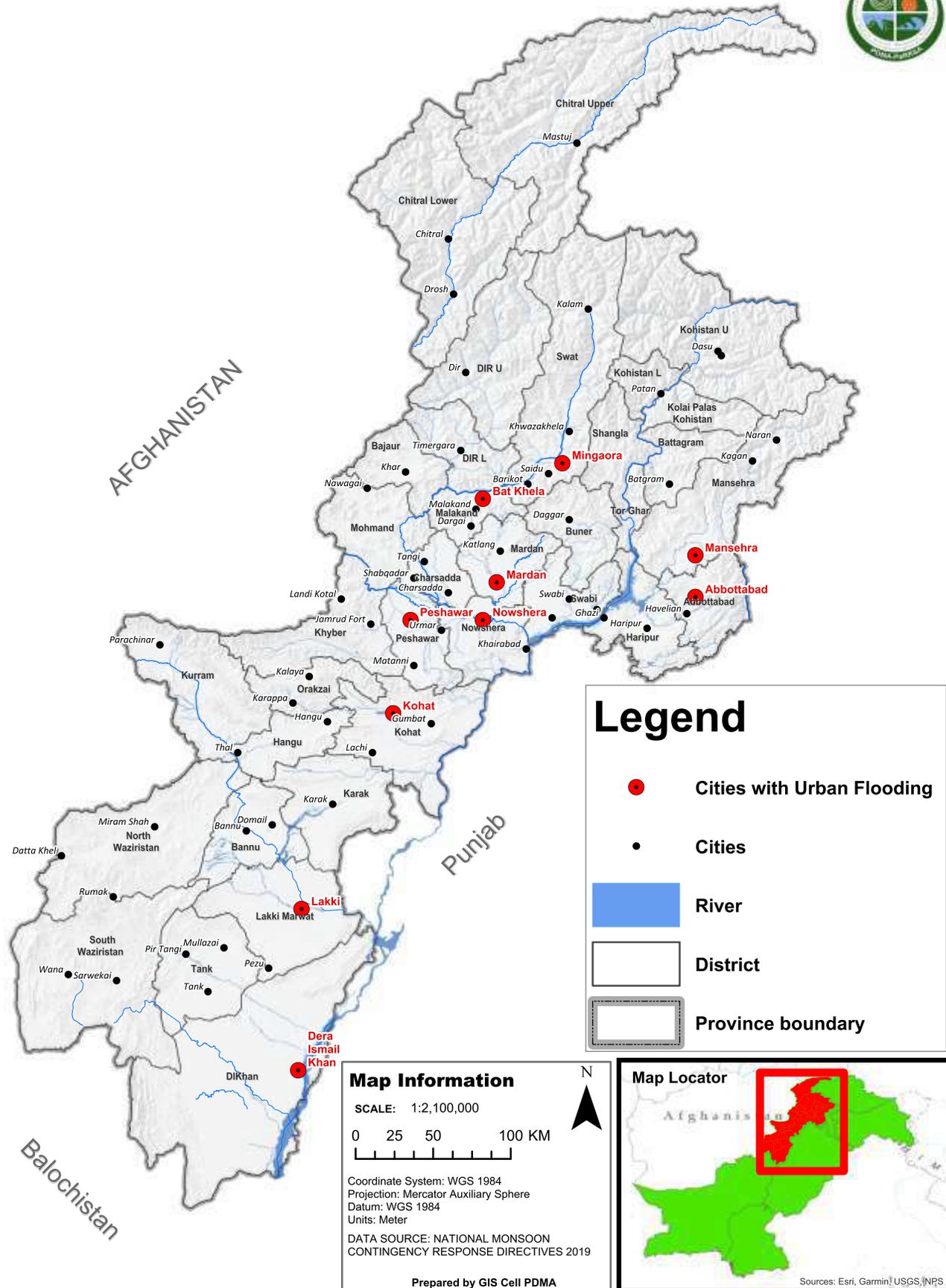
Almost ¾ of the whole Khyber Pakhtunkhwa is vulnerable to riverine floods. The map shows vulnerable districts of Khyber Pakhtunkhwa with respect to Riverine Flood hazards.

1.4.5 URBAN FLOOD

Urban Flood is the inundation of land or property in a built environment, particularly in more densely populated areas, caused by rainfall overwhelming the capacity of drainage systems, such as storm sewers. The erratic rainfall pattern as a result of El-Nino is of prime concern which during monsoon coupled with cloud burst often put enormous pressure on the drainage system and results in urban Flood in all major cities of Khyber Pakhtunkhwa like Peshawar, Abbottabad, Mardan, Swat, D.I. Khan, Kohat, Mansehra. The map shows vulnerable districts of Khyber Pakhtunkhwa with respect to Urban Flood hazards.



KHYBER PAKHTUNKHWA - URBAN FLOOD VULNERABILITY



Legend

- Cities with Urban Flooding
- Cities
- River
- District
- Province boundary

Map Information

SCALE: 1:2,100,000

0 25 50 100 KM

Coordinate System: WGS 1984
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984
 Units: Meter

DATA SOURCE: NATIONAL MONSOON CONTINGENCY RESPONSE DIRECTIVES 2019

Prepared by GIS Cell PDMA

Map Locator

Sources: Esri, Garmin, USGS, INPS

1.4.6 GLACIAL LAKE OUTBURST FLOODS – GLOFS

Glacial Lake Outburst Flood -GLOF are sudden events which can release millions of cubic meters of water and debris, leading to the loss of lives, property and livelihoods amongst remote and impoverished mountainous communities. According to UNDP GLOF II project, due to rising temperatures, glaciers in Pakistan's northern mountain ranges (Hindu Kush Himalayas and Karakorum) are melting rapidly. Over 3,000 glacial lakes have developed in Gilgit-Baltistan and Khyber Pakhtunkhwa regions, of which 33 glacial lakes have been assessed as prone to Glacial Lake outburst flood.

Most of the population in Chitral lives in vulnerable areas surrounded by giant almost vertical mountains. The fragile nature of these communities are not able to withstand any minor natural hazard like rain, snow, earthquake, hail storm, river rise or high speed wind due to extensive deforestation.

1.4.7 CLOUDBURST

Cloudburst is a meteorological term which refers to a sudden and very heavy rainfall in a specific area over a short period of time. Cloudbursts release a large amount of rainwater during the fierce downpour. Most of the cloudbursts accompany thunderstorms and are especially common in mountainous regions, as the topography provides optimum conditions for the formation of the Cloudburst.

In Khyber Pakhtunkhwa, during August 2020, 20 people were killed and nine were injured in flash floods caused by cloudbursts in different parts of Khyber Pakhtunkhwa. Most of the affected areas were in Kohistan, Swat and Shangla. The result of a cloud burst phenomenon is flash Flood which possibly would cause landslide also. The districts of Swat, Chitral, Shangla, and Kohistan are more prone to Cloudburst and the resultant flash Flood and landslide.

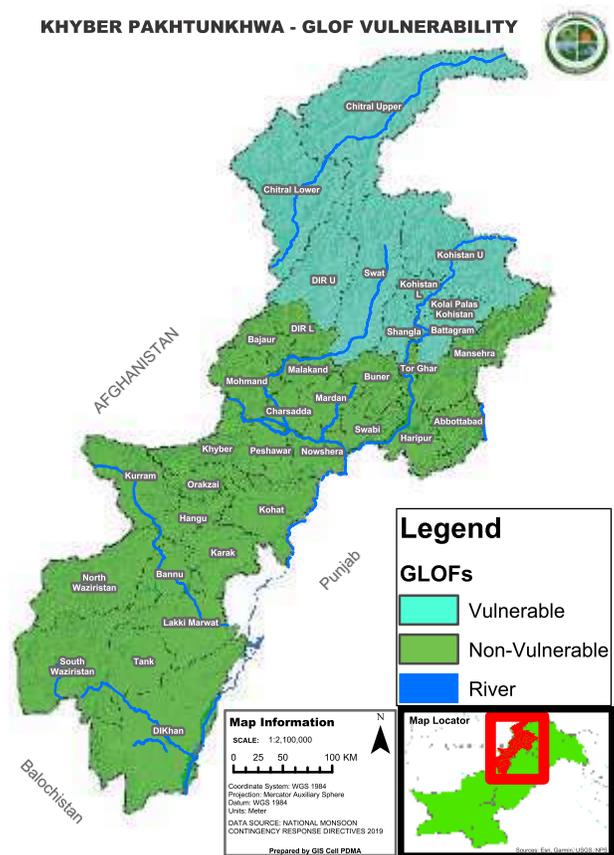
1.4.8 LANDSLIDES

Landslide, also called landslip, the movement downslope of a mass of rock, debris, earth, or soil (soil being a mixture of earth and debris). Landslides occur when gravitational and other types of shear stresses within a slope exceed the shear strength (resistance to shearing) of the materials that form the slope.

The causes and environmental impacts of frequently occurring landslide hazards in Khyber Pakhtunkhwa are wide ranging in nature and in terms of the damage that result. It has been observed that landslides mostly occur along the road network and disturbed slopes. Other causal factors responsible for the landslide hazards are immature geology, a wide variation in climate and degradation of the natural resource-base. Rapid expansion of urban zones also contributes to the changing vulnerability of an area.

In recent past, a number of separate incidents of landslides have been recorded in different parts of northern region of the province.

KHYBER PAKHTUNKHWA - GLOF VULNERABILITY



1.4.9 WINDSTORM

A wind that is strong enough to cause at least light damage to trees and buildings and may or may not be accompanied by precipitation is termed as Windstorm. Wind speeds during a windstorm typically exceed 55 km (34 miles) per hour.

According to the climate of Pakistan, such types of extreme weather events develop due to thermal contrast. Particularly in Khyber Pakhtunkhwa, during the month of April (a transition period, when days are getting hot and nights are still cold) due to interaction of cold air mass (from westward) & warm air mas (from east or south), results in wide spread windstorms throughout Peshawar, Charsadda, Kohat, Mardan, Bannu and Swabi.

1.4.10 SEMI-CYCLONE/STORM

In meteorology, a cyclone is a large air mass that rotates around a strong center of low atmospheric pressure. It moves counterclockwise in the Northern Hemisphere and clockwise in the Southern Hemisphere as viewed from above. Cyclones are characterized by inward-spiraling winds that rotate about a zone of low pressure. The Pakistan Meteorological Department described the storm as a “mini cyclone”.

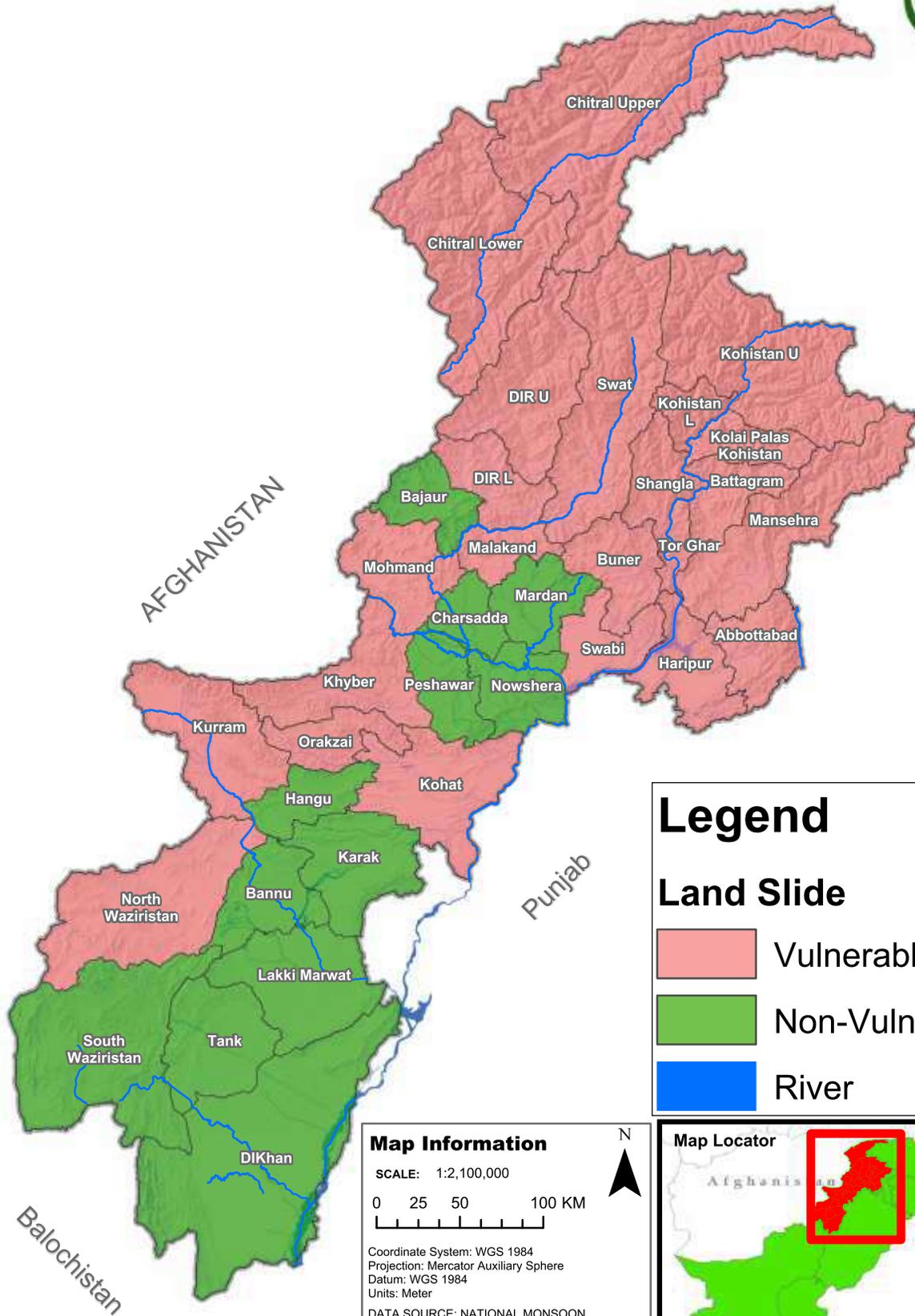
On 26th of April 2015, a severe storm struck Peshawar city and other areas of the Khyber Pakhtunkhwa. It resulted in 49 casualties besides injuries to 267 people. The severe weather disrupted power supply and suspended transport and air traffic. According to an official statement of PMD, they could not issue any forecast for the cyclone-cum-thunderstorm, as it was a rare phenomenon in these areas. The PMD further elaborated that such uncertain cyclones cannot be predicted well before time. In Mardan, on 05-08-2021, due to wind storm and heavy rain damages were reported when boundary walls of a Madrassa collapsed where several students died and other got injured.

1.4.11 AVALANCHE

This term is defined as the sudden downwards flow of snow from a mountain or hill. Its causes are several, for example, heavy snowfall, heavy winds and snowstorms etc. Its recorded effects are damage to houses, loss of travel route and ski resort destruction. The areas of Pakistan prone to avalanches include Northern Pakistan, Kashmir and Khyber Pakhtunkhwa. According to historic data, the major avalanches recorded were Kohistan Avalanche in 2010, Gayari Sector Avalanche in 2012 and Kashmir Avalanche in 2020.

The Avalanche prone areas of Khyber Pakhtunkhwa are in the North because of their relatively higher altitudes as well as snowy climate in winters; Chitral, Swat and Kohistan have more tendencies to be hit by avalanches.

KHYBER PAKHTUNKHWA - LANDSLIDE VULNERABILITY



Legend

Land Slide

- Vulnerable
- Non-Vulnerable
- River

Map Information

SCALE: 1:2,100,000

0 25 50 100 KM

Coordinate System: WGS 1984
 Projection: Mercator Auxiliary Sphere
 Datum: WGS 1984
 Units: Meter

DATA SOURCE: NATIONAL MONSOON CONTINGENCY RESPONSE DIRECTIVES 2019

Prepared by GIS Cell PDMA

Map Locator

Sources: Esri, Garmin, USGS, INPS

1.5 District wise Monsoon hazards vulnerability Matrix of Khyber Pakhtunkhwa

S. #	District	Riverine Flood	Flash Flood	Urban Flood	Land Slide	Heatwave	GLOFs
1	Abbottabad	No	Yes	Yes	Yes	No	No
2	Bajaur	Yes	Yes	No	No	Yes	No
3	Bannu	Yes	No	No	No	Yes	No
4	Battagram	No	Yes	No	Yes	No	No
5	Buner	No	Yes	No	Yes	Yes	No
6	Charsadda	Yes	No	No	No	Yes	No
7	Chitral (L)	Yes	Yes	No	Yes	Yes	Yes
8	Chitral (U)	Yes	Yes	No	Yes	No	Yes
9	D. I Khan	Yes	Yes	Yes	No	Yes	No
10	Dir Lower	Yes	Yes	No	Yes	Yes	No
11	Dir Upper	Yes	Yes	No	Yes	No	Yes
12	Hangu	No	Yes	No	No	Yes	No
13	Haripur	No	Yes	No	Yes	Yes	No
14	Karak	No	Yes	No	No	Yes	No
15	Khyber	No	Yes	No	Yes	Yes	No
16	Kohat	No	Yes	Yes	No	Yes	No
17	Kohistan (Pattan)	Yes	Yes	No	Yes	No	Yes
18	Kohistan L	Yes	Yes	No	Yes	No	Yes
19	Kohistan U	Yes	Yes	No	Yes	No	Yes
20	Kurram	Yes	Yes	No	Yes	No	No
21	Lakki marwat	No	Yes	No	No	Yes	No
22	Malakand	Yes	Yes	No	Yes	Yes	No
23	Mansehra	No	Yes	No	Yes	No	No
24	Mardan	Yes	Yes	Yes	No	Yes	No
25	Mohmand	Yes	Yes	No	Yes	Yes	No
26	North Waziristan	No	Yes	No	Yes	No	No
27	Nowshera	Yes	Yes	Yes	No	Yes	No
28	Orakzai	No	Yes	No	Yes	No	No
29	Peshawar	Yes	Yes	Yes	No	Yes	No
30	Shangla	Yes	Yes	No	Yes	No	No
31	South Waziristan	Yes	Yes	No	No	No	No
32	Swabi	Yes	Yes	No	No	Yes	No
33	Swat	Yes	Yes	Yes	Yes	Yes	Yes
34	Tank	Yes	Yes	No	No	Yes	No
35	Torghar	Yes	Yes	No	Yes	No	No

1.6 HYDROLOGY OF KHYBER PAKHTUNKHWA

1.6.1 FLOOD CATEGORIZATION OF THE MAJOR RIVERS AND NULLAHS

Floods usually occur during monsoon season in different river systems of Khyber Pakhtunkhwa. Due to the geography and terrain of the area, all rivers in the province are fed by hill torrents, nullahs and streams in catchment areas of mountainous regions. In order to determine flood levels, historical pattern of monsoon floods in the province has been reviewed and rivers have been categorized in three broad categories. Category A for instance reflects those rivers which receive floods of different magnitude frequently (every year), while category B are those rivers/streams, which receive less frequent floods, while the third category is of rivers/nullahs that experience occasional Flood situation as a result of heavy concentrated rainfall in their catchment areas.

Category A (Frequently Flooded in Monsoon):

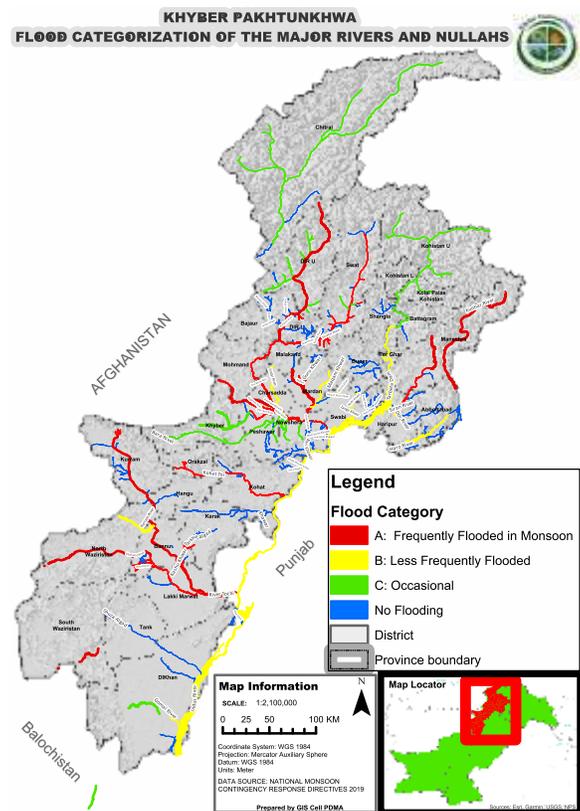
Kabul River, Khiali River (Peshawar), Khiali Adezai, Panjkora River, Kunhar River, Naguman (Peshawar), Shah Alam, Kurram River, Budni Nullah (Peshawar), Siran River (Mansehra), Kohat Toi, Tochi River, Kalpani Nullah (Mardan), Jabb Nullah (Abbottabad).

Category B (Less Frequently Flooded):

Jindi River, Gomal Zam, Kaitu River (North Waziristan), Badri Nullah (Swabi), Indus river (right bank), Naranji Nullah (Swabi), Haro River, Dalas Nullah, Mukam Nullah, Local Hill Torrents in Northern Areas of Khyber Pakhtunkhwa.

Category C (Occasional):

Chowdhwan Zam (DI Khan), Sheikh Haider Zam (DI Khan), Chila Nullah (Pabbi), Chinkar Nullah (Pabbi), Gharandi Nullah (Peshawar), Ghari Nullah (Pabbi), Rustam Khawar (Mardan), Khawar at Khyber Agency, Balar Dagi Nullah (Pabbi), Khudrazai Nullah (Pabbi).



1.6.2 HYDRO INFORMATICS OF KHYBER PAKHTUNKHWA

The table shows the hydro informatics of the major rivers, khwarhs and nullah of Khyber Pakhtunkhwa with low, medium, high, very high and historical discharge in cusec.

S. No	Name of River/ Khwar /Nullah	Low Discharge	Med Discharge	High Discharge	Very High Discharge	Historical	Dated
1	Indus River at TURBELA (Inflow)	250000	375000	500000	650000	650000	30-07-10
2	Indus River at TURBELA (outflow)	250000	375000	500000	650000	650000	30-07-10
3	Indus River at ATTOCK KHAIR ABAD	225000	375000	500000	650000	994600	30-07-10
4	Kabul River at WARSAK	40000	60000	100000	150000	159000	Jun-05
5	Kabul River at NOWSHERA	60000	80000	100000	120000	450000	29-07-10
6	Swat River at MUNDA HW	40000	60000	80000	150000	355000	29-07-10
7	Swat River at CHAKDARA	30000	50000	75000	100000	360000	30-07-10
8	KHIALI RIVER Charsada Road	40000	60000	80000	120000	360000	30-07-10
9	KURRAM River at Kurram. Ghari HW	30000	50000	80000	100000	200000	28-07-10
10	TAKHTA BAIG Khwar at Khyber Agency	7500	15000	30000	80000	123000	04-08-08
11	Kabul River at Adezai Bridge	30000	50000	70000	80000	80700	30-07-10
12	Swat River at KHWAZA KHELA	30000	45000	60000	80000	175546	29-07-10
13	KUNHAR River at Balakot	20000	40000	60000	80000	92000	Aug-92
14	Kalpani Nullah at Chowki Risalpur	20000	40000	50000	65000	118604	30-7-10
15	PANJKORA RIVER (DIR)	20000	30000	50000	75000	130936	24-07-10
16	Kalpani Nullah at Mardan City	20000	30000	40000	60000	67074	7/1/2010
17	SIRAN River at Daryal	15000	30000	40000	50000	55181	8-1992
18	BADRI Nullah at Swabi	7500	15000	35000	50000	44450	30-07-10
19	DOUR River at Rajoya	10000	25000	35000	70000	75970	8-1992
20	HARO River at Jabori	10000	20000	35000	55000	82876	8-1992
21	GAMBILA River at Gambila Lakki	15000	25000	45000	55000	64024	28-7-10
22	NAGUMAN River Charsada Road	10000	20000	30000	50000	75575	30-7-10
23	BARA River at Chamkani	10000	25000	30000	40000	48000	12-8-07
24	CHILLA Nullah at Pabbi	3000	10000	17500	25000	23620	29/8/79
25	NARANJJI Nullah at Swabi	5000	10000	20000	35000	30000	2010
26	JINDI KHWAR at Utmanzai	6000	9000	16000	20000	25000	29-07-10
27	BUDNI Nullah at Pajagi Road	6000	16000	20000	45000	98000	4-8-08
28	JINDI RIVER at Charsadda	7500	10000	15000	20000	42000	30-7-10
29	MUQAM Nullah at Shahbaz garhi	3000	8000	15000	30000	45000	2010
30	BALAR KHWAR at Mardan	3000	10000	20000	30000	42000	29-07-10
31	DALLUS Nullah at Warsak Road	3000	8000	15000	18000	21700	8/8/2010

The details of Flood Mitigation Structures in Khyber Pakhtunkhwa have been elaborated at **Annexure 1**

(SOURCE: IRRIGATION DEPTT Khyber Pakhtunkhwa 2022)

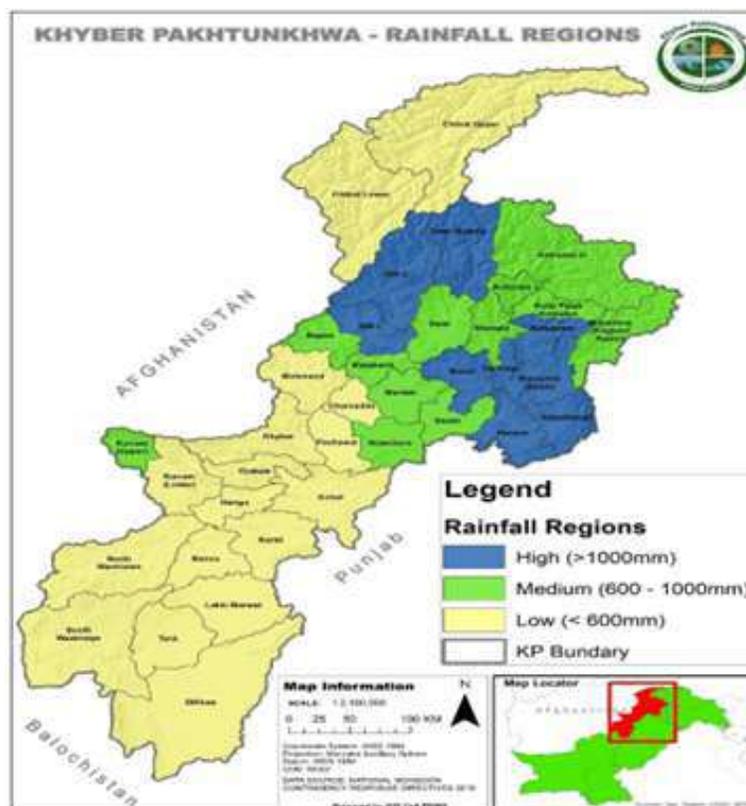
1.6.3 TIME-LAG FOR MAJOR RIVERS IN KHYBER PAKHTUNKHWA

S #	Location	Distance (Km)	Time Lag
1	Swat/Khiali River		
i.	Khawaza Khela to Amandara	65	12 Hours
ii.	Amandara to Munda	55	09 Hours
iii.	Munda to Charsadda Road	40	6.5 Hours
2.	Kabul River		
i.	Warsak to Charsadda Road Peshawar	25	04 Hours
ii.	Charssadda Road to Nowshera	35	06 Hours
iii.	Nowshera to Indus River	30	05 Hours
3.	Indus River		
i.	Jinnah Barrage to Chashma Barrage	56	4.5 Hours
ii.	Chashma to D.I Khan	100	12.5 Hours
iii.	D.I Khan City to Ramak	70	09 Hours

(Source: Irrigation Department Khyber Pakhtunkhwa)

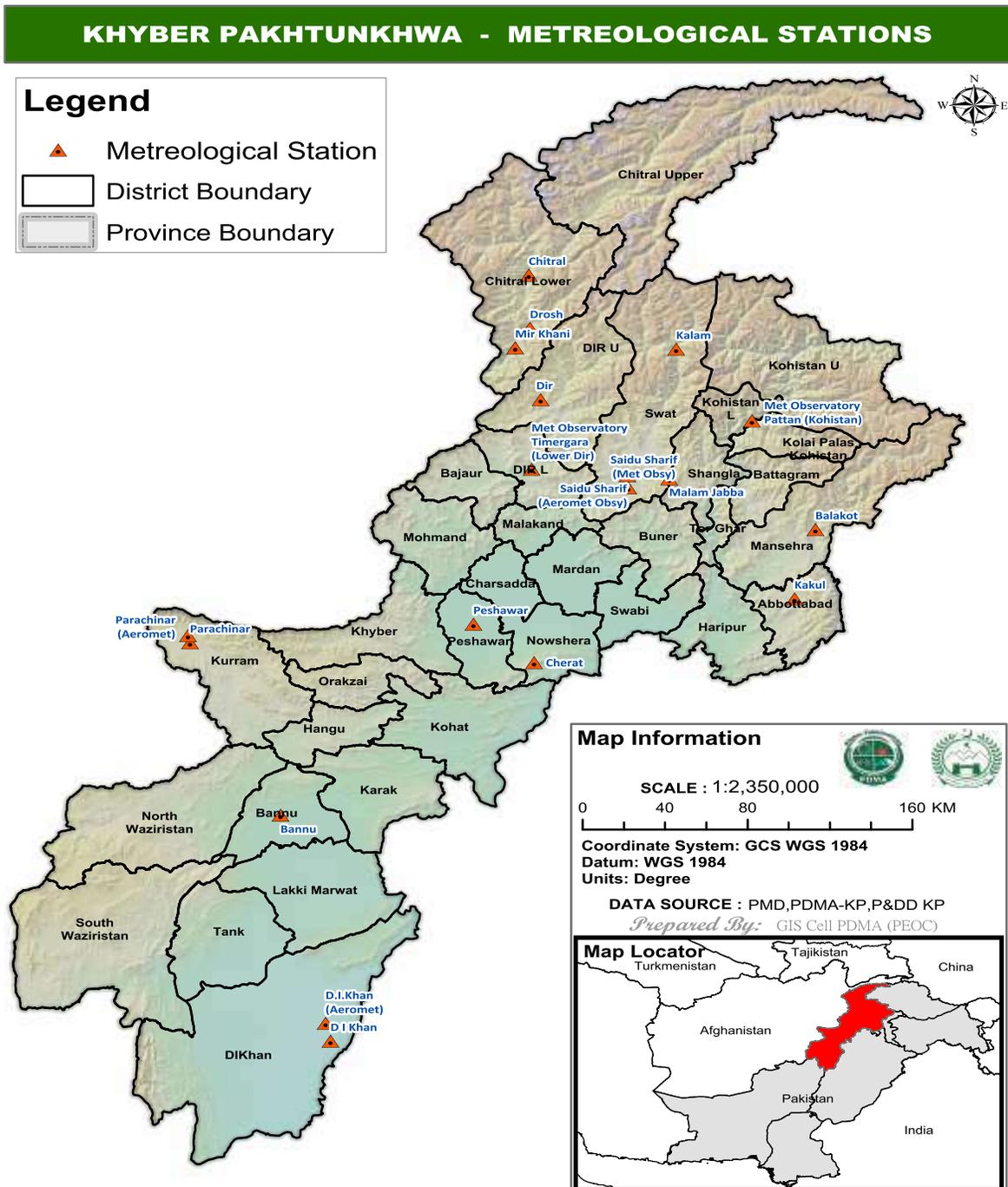
1.7 Khyber Pakhtunkhwa Rainfall Trend Analysis

The rainfall trend analysis of Khyber Pakhtunkhwa is based on historic data obtained from the Peshawar Regional Meterological Center Peshawar. The map shows the rainfall in different parts of our province.



1.7.1 ANNUAL RAINFALL TREND ANALYSIS BASED ON LAST 60 YEARS METEOROLOGICAL DATA

The data obtained from Regional Meteorological Center (RMC) Peshawar shows that in the past few decades, some areas (Peshawar, Dera Ismail Khan, and Swat) of Pakistan have seen unprecedented rainfall, causing catastrophic floods of more than 400,000 cusecs, surpassing the 1929 Floods (250,000 cusecs) which badly affected all the three regions in the Khyber Pakhtunkhwa Province. Due to changes in weather patterns, Khyber Pakhtunkhwa has often been threatened by floods and droughts in recent years. By analyzing the data trend from these 3 areas, a significant coverage is being given to NORTH (Malakand Division and Hazara Division), SOUTH (DI Khan Division and Bannu Division) and in the CENTER (Peshawar Division, Mardan Division and Kohat Division).



A. RAINFALL (IN MM) TREND IN CENTRAL REGION (PESHAWAR, MARDAN, AND KOHAT DIVISIONS)

In the past 60 years, there has been a gradual increase when it comes to the Central district of Khyber Pakhtunkhwa. There is a gradual increase of almost 35 mm of average annual rainfall from previously 25mm to 60mm now.

Peshawar Annual Rainfall



(Source: <https://link.springer.com/article/10.1007/s42452-021-04457-z>)

For Peshawar and its surrounding districts, on average, there have been significantly more rains during the month of March and accordingly during October, November and December the rainfall trend is at the lowest.

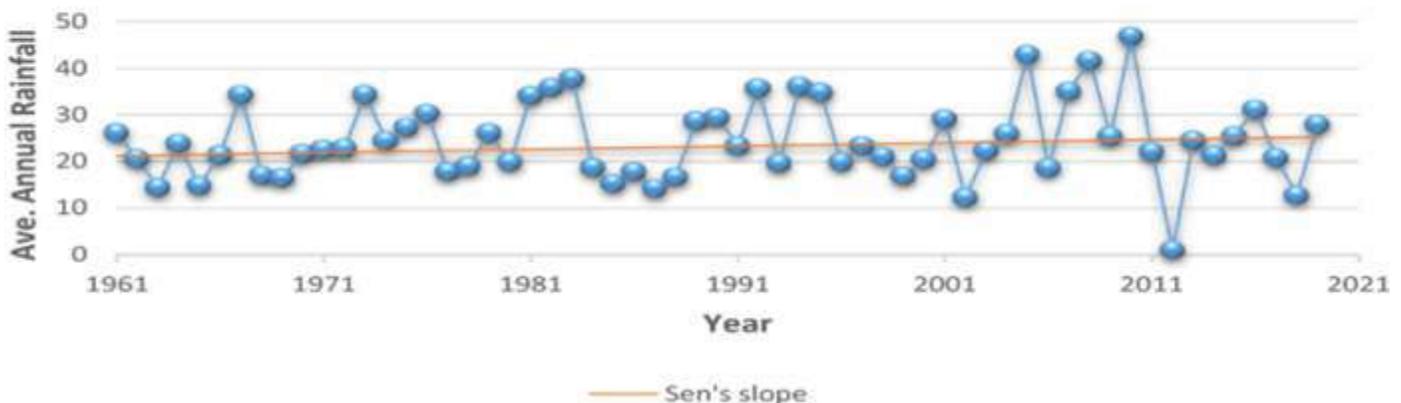
Peshawar Monthly Rainfall



A. RAINFALL (IN MM) TREND IN SOUTHERN REGION (DI KHAN AND BANNU DIVISIONS)

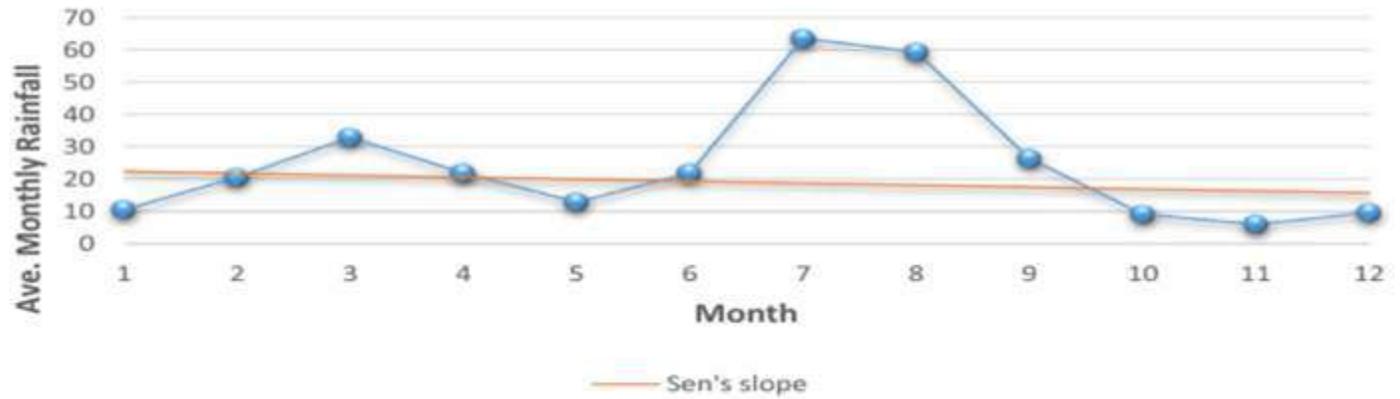
In comparison to Central Districts, in the South there has been minimal increase of only 5mm on average in the past 60 years. This gradual increase started from 25 mm of average annual rainfall to now 30mm.

D. I. Khan Annual Rainfall



In contrast to Peshawar, the Monthly average rainfall in DI Khan is at its max during the Monsoon where it had even peaked to 65mm on average. There have been significantly more rains during the month of July and August and accordingly during October, November and December the rainfall trend is at its lowest.

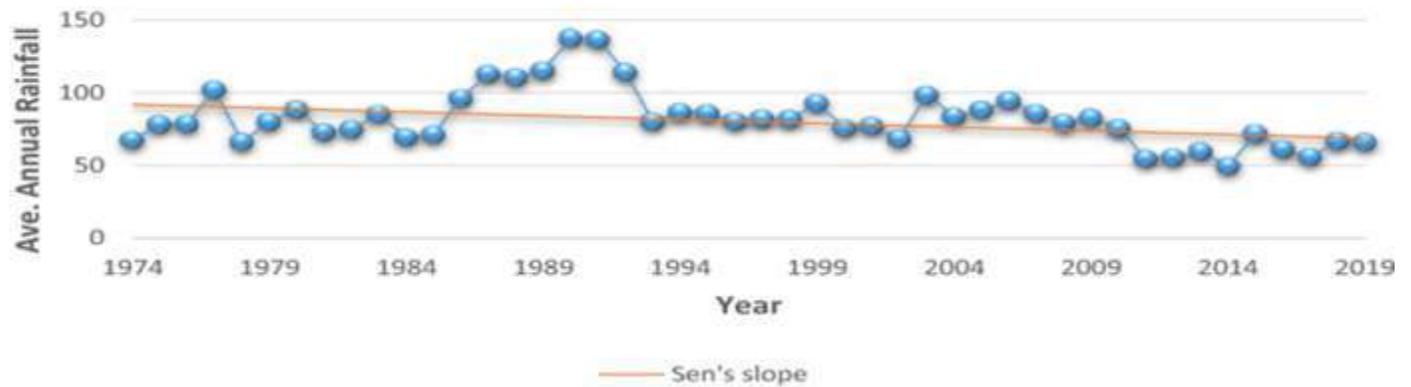
D. I. Khan Monthly Rainfall



a. Rainfall (In mm) Trend in Northern Region (Malakand and Hazara Divisions)

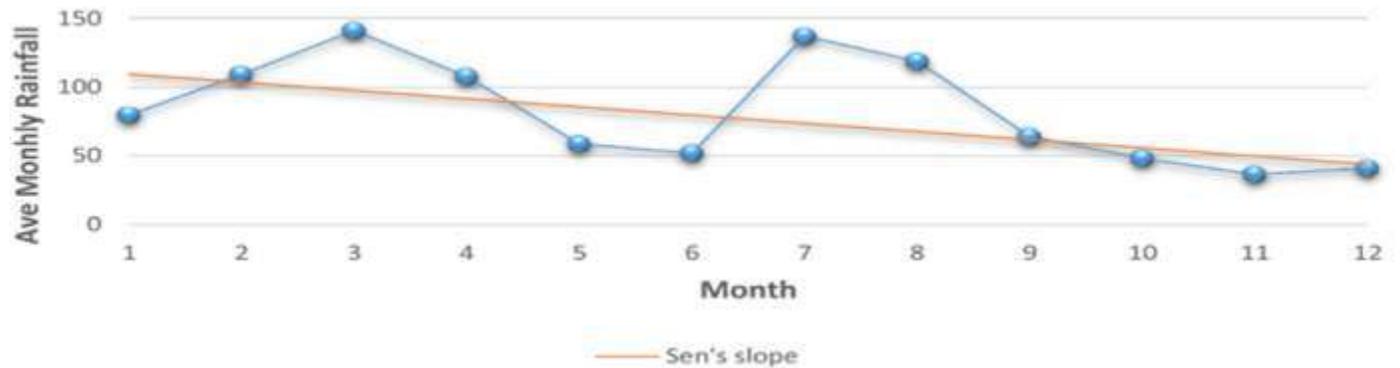
In Swat Division and its surrounding Districts, a gradual decrease has been recorded in Average Annual rainfall. During the past 45 years, on average the annual rainfall has decreased from approximately 95mm to 65 mm.

Saidu Sharif Annual Rainfall



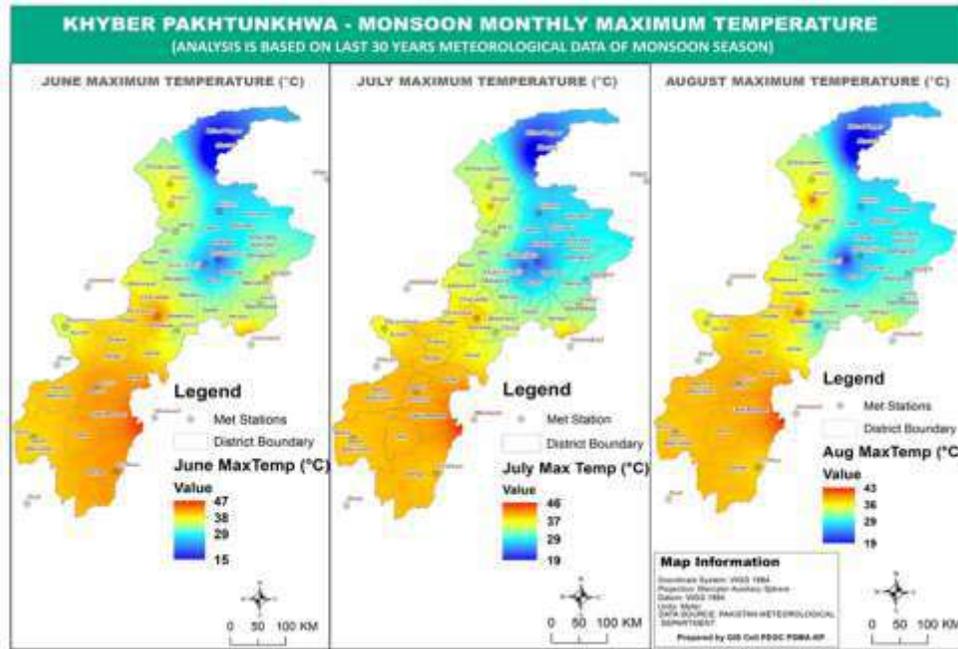
In Swat Division the average monthly rainfall trend has two peak periods i.e. in March and then in July. The average monthly rainfall is approximately 145mm during these peak time periods and goes down to 40-45mm during the months of October, November and December.

Saidu Sharif Monthly Rainfall

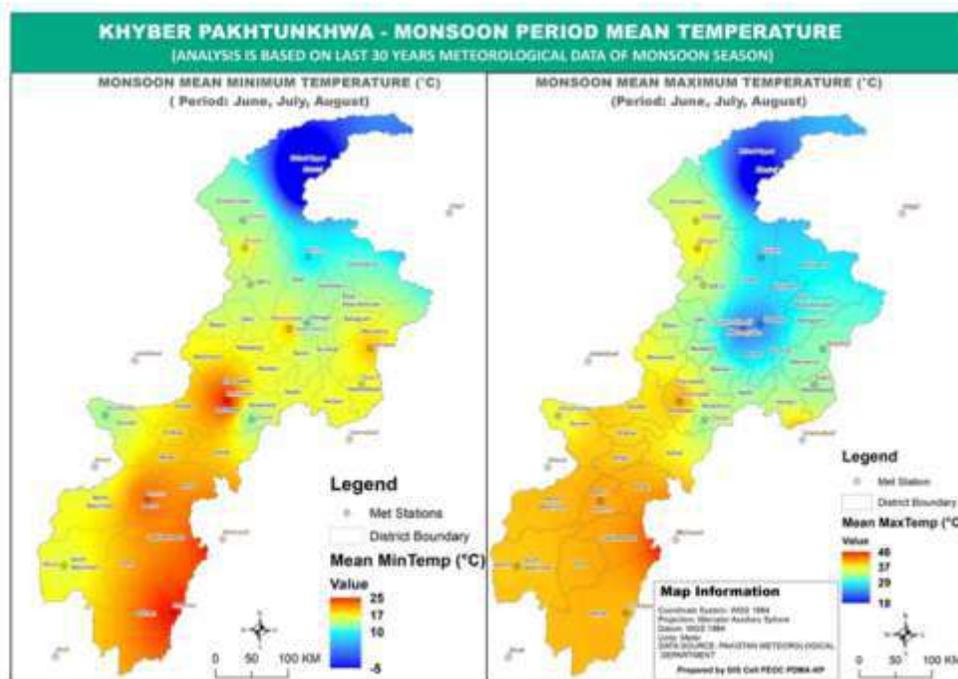


1.7.2 TEMPRETURE AND RAINFALL TREND ANALYSIS BASED ON LAST 30 YEARS METEOROLOGICAL DATA OF MONSOON SEASON IN KHYBER PAKHTUNKHWA

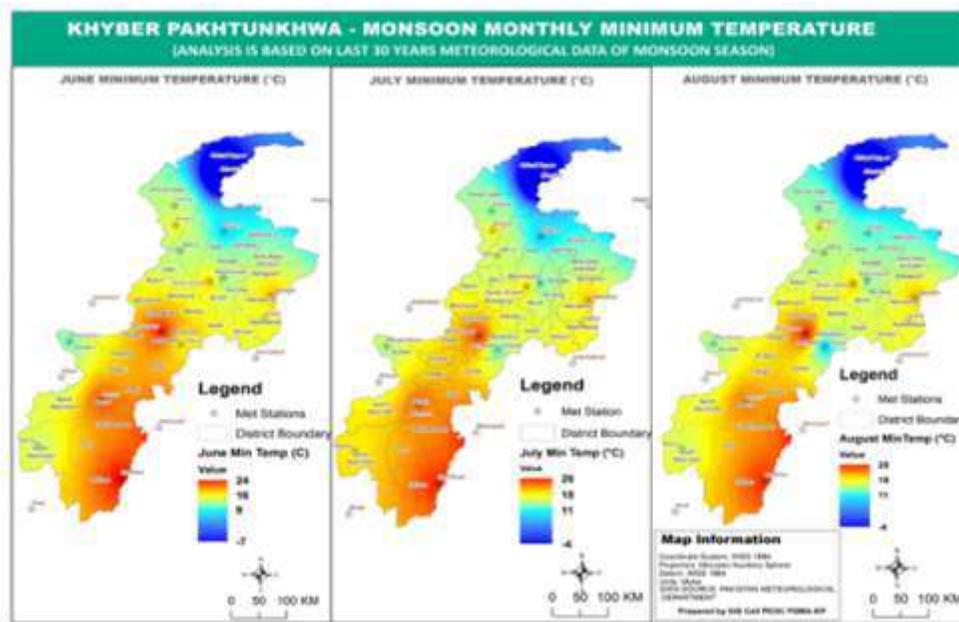
It can be seen in these maps that in the month of June, the temperature as high as 47 degrees and above has been observed in Peshawar, DI Khan and Lakki Marwat. Then during the month of July, the temperatures fall down by a degree or 2 but the overall intensity of the heat remains the same. While during the month of August the temperature comes down significantly however the humidity level go very high.



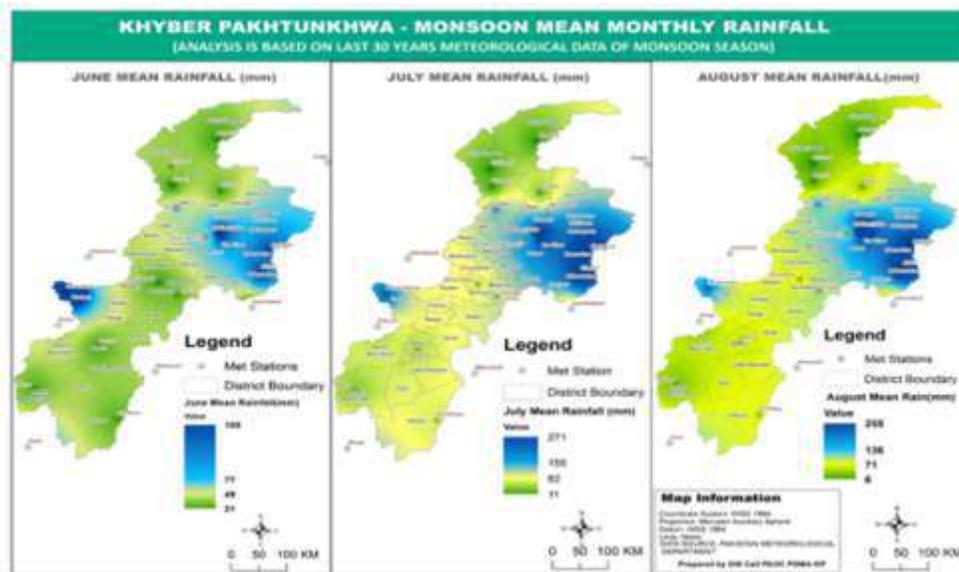
During the monsoon period of June, July and August, Mean Maximum and Mean Minimum temperatures range between 48 degrees and 18 degrees.



The Minimum Monthly temperature during June is observed in Lower Chitral in the area of Mastuj where it goes drops down to -7 degrees. Then in the month of July and August the night time lowest temperature is around -4 degrees.



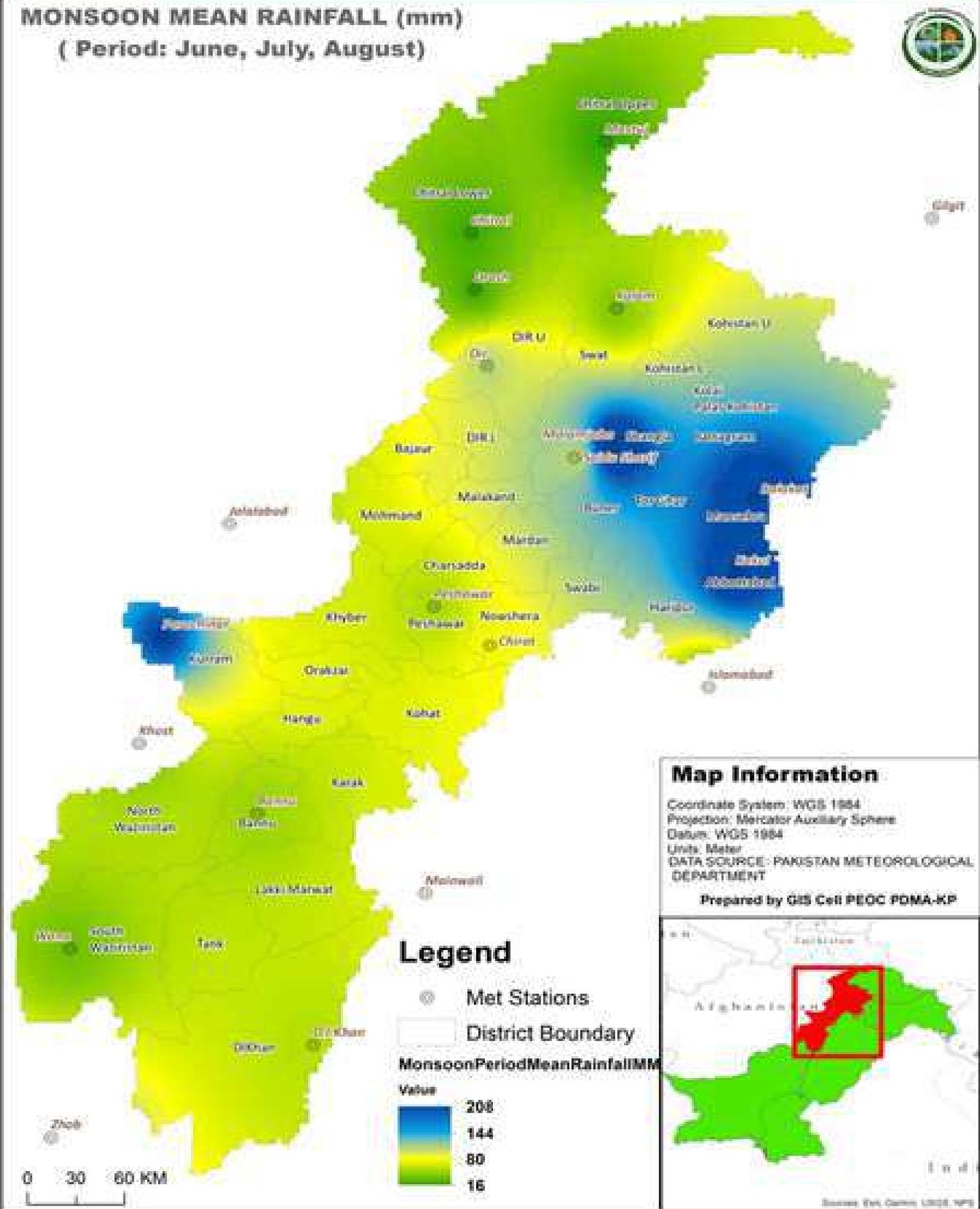
As far as Mean Monthly Rainfall figures are concerned, during the month of June, the district of Kurram, Parachinar, Swat, Shangla, Mansehra, Abbottabad and Batagram have rains exceeding 185mm, which is quite significantly more than the rest of the districts. In July the same areas receive rains in excess of 270mm. In August, the rainfall figures come down to 250mm.



KHYBER PAKHTUNKHWA - MONSOON PERIOD MEAN RAINFALL

(ANALYSIS IS BASED ON LAST 30 YEARS METEOROLOGICAL DATA OF MONSOON SEASON)

MONSOON MEAN RAINFALL (mm) (Period: June, July, August)



1.8 FLOOD 2010 - A HISTORICAL COMPARISON

If a historical comparison of 2010 floods is done with the normal average annual rainfall in Peshawar, it is observed that the annual average rainfall in Peshawar is 400 mm and in contrast, during the 7 days between July 28th and August 3rd 2010, the average rainfall in Peshawar was 333 mm. Similarly if this comparison is carried out at provincial level, it is observed that the annual average rainfall in Khyber Pakhtunkhwa, which is normally around 962 mm went as high as 3462 mm during those 7 days in year 2010. That was almost a quadruple increase which happened during that one week.

Rain Fall Overlook		
Area	Annual Average Rain	Rain from 28 July 2010 to 3 rd August 2010 (7 Days) (in mm)
Peshawar	400 mm	333 mm
Khyber Pakhtunkhwa	962 mm	3462 mm

If the river flow is compared, River Swat at Amandara which was last recorded as high as 160000 cusecs in 1929, broke the previous record and was recorded at 260000 cusecs in 2010.

Similarly, the same River Swat at Munda which was last recorded as high as 170,000 cusecs in 1929 also broke the previous record and was recorded at 302,517 cusecs in 2010.

River Kabul was last recorded in 2005 at its highest i.e. 169,000 cusecs at Nowshera. It too went as high as 450,000 cusecs during the floods of 2010.

River Indus at Khairabad was last recorded at the height of 900,000 cusecs in 1929. In 2010 Indus River was recorded at 1,100,000 cusecs.

Rivers	Max Flow Recorded Before 2010	2010 Floods Levels
Swat @ Amandara	160,000 cusecs (1929)	260,000 cusecs
Swat @ Munda	170,000 cusecs (1929)	302,517 cusecs
Kabul River @ Nowshera	169,000 cusecs (2005)	450,000 cusecs
Indus @ Khairabad	900,000 cusecs (1929)	1,100,000 cusecs

1.9 Flood Risk Assessment of The Province

The assessment is carried out by using a framework to provide an understanding for identifying vulnerabilities on the basis of 05 variables (as shown in Table):

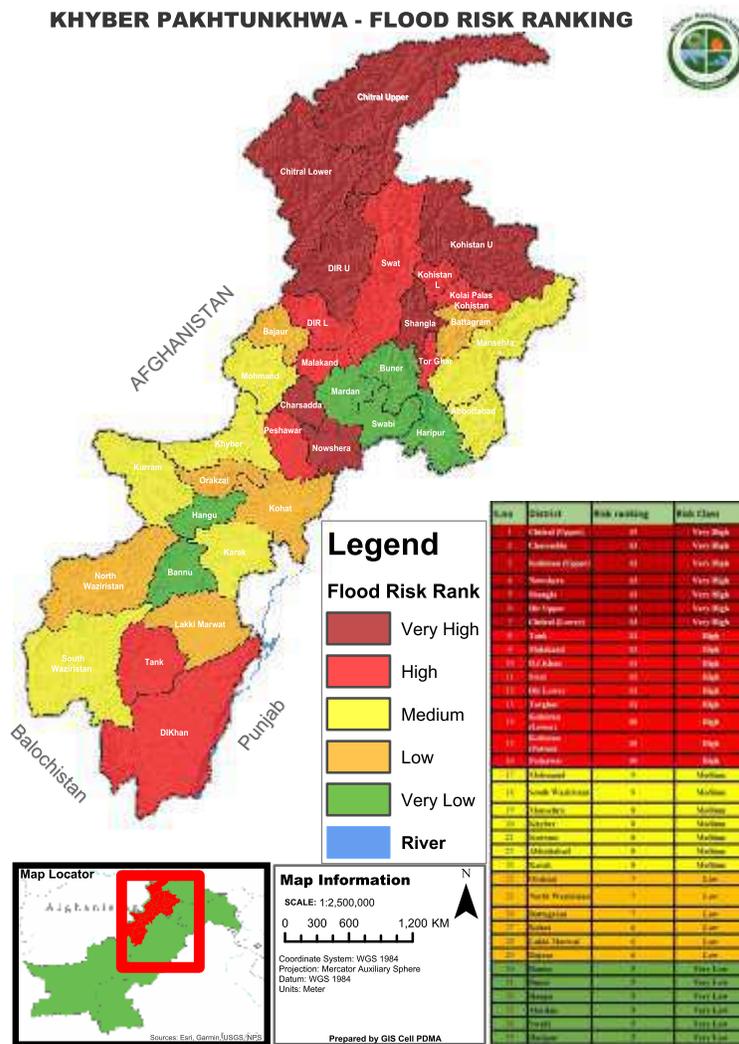
- i. Likelihood of flood event;
- ii. Impact on Population;
- iii. Impact on Livelihood;
- iv. Impact on Physical Infrastructure;
- v. Accessibility of the Area in terms of response by the provincial government.

S.No	Name of District	FLOOD RISK RANKING FOR MONSOON 2022					Risk ranking of a district (A+B+C+D+E)	Risk Class
		A: Likelihood of flood event	B: Impact on Population	C: Impact on livelihood	D: Impact on physical infrastructure	E: Accessibility of the area		
		0= None 1= Rare 2= Occasional 3= Frequent			0= No impact 1= Limited 2= Substantial 3= Major			
1	Chitral (Upper)	3	3	3	3	3	15	Very High
2	Charsadda	3	3	3	3	1	13	Very High
3	Kohistan (Upper)	3	2	2	3	3	13	Very High
4	Nowshera	3	3	3	3	1	13	Very High
5	Shangla	3	2	2	3	3	13	Very High
6	Dir Upper	3	2	2	3	3	13	Very High
7	Chitral (Lower)	3	2	2	3	3	13	Very High
8	Tank	2	3	2	2	2	11	High
9	Malakand	2	2	2	3	2	11	High
10	D.I Khan	3	2	2	2	2	11	High
11	Swat	3	2	2	2	2	11	High
12	Dir Lower	3	2	2	2	2	11	High
13	Torghar	2	2	2	2	3	11	High
14	Kohistan (Lower)	2	3	2	2	1	10	High
15	Kohistan (Pattan)	2	2	2	2	2	10	High
16	Peshawar	3	2	2	2	1	10	High
17	Mohmand	2	1	2	2	2	9	Medium
18	South Waziristan	2	1	1	2	3	9	Medium
19	Mansehra	2	1	1	2	2	8	Medium
20	Khyber	2	2	2	1	1	8	Medium
21	Kurram	2	1	1	1	3	8	Medium
25	Abbottabad	2	1	2	2	1	8	Medium
26	Karak	2	2	1	1	2	8	Medium
22	Orakzai	1	1	1	1	3	7	Low
23	North Waziristan	1	1	1	1	3	7	Low
24	Battagram	1	1	1	1	3	7	Low
27	Kohat	2	1	1	1	1	6	Low
28	Lakki Marwat	2	1	1	1	1	6	Low
29	Bajaur	1	1	1	1	2	6	Low

30	Bannu	1	1	1	1	1	5	Very Low
31	Buner	1	1	1	1	1	5	Very Low
32	Hangu	1	1	1	1	1	5	Very Low
33	Mardan	1	1	1	1	1	5	Very Low
34	Swabi	1	1	1	1	1	5	Very Low
35	Haripur	1	1	1	1	1	5	Very Low

(DMIS Data of PDMA)

This framework is used to quantify the level of vulnerabilities of districts to flood events during monsoon season. It is based on dataset available in PEOC-PDMA for analysis of impacts of flood events on population, economy, infrastructure and the corresponding response to emergency situation. Due to the geographic terrain of the province, it has been observed that some of the areas in Malakand and Hazara Division have accessibility issues which create challenges in swift emergency response.



It uses four values for assessing the impacts (03 for major impact, 02 for moderate impact and 01 for limited impact):



CHAPTER 2
MONSOON ANTICIPATORY
ACTIONS & RESPONSE



2.1 ANTICIPATORY ACTIONS FOR MONSOON

Anticipatory action is a plan of humanitarian mediations, activated once a pre-agreed forecast threshold is crossed. Supported by pre-agreed finance, anticipatory actions prevent or mitigate potential disaster impacts before a hazard or its acute impacts are felt. Acting early diminishes the shock impact and reduces humanitarian needs, helping to protect any and all development gains and augment resilience.

Anticipatory actions aim to interrupt the severity of the flood impact on vulnerable households by targeting populations most at risk. The targeting of anticipatory action (“at risk”) is therefore distinct and different from targeting for humanitarian response which is determined by existing need ('in need”). Poor households in a flood affected area might lose their lives, houses, assets, food grains, and income from livestock because of the lack of resources and means for early actions in the event of a Flood. This can have long-term impacts on communities, and both exacerbate susceptibility to future shocks and erode development gains. Through anticipatory action, beneficiaries can better minimize the loss of life, household structures, assets, food grains, and income from livestock.

Based on previous experiences of the stakeholders and best practices around the world the anticipatory response actions will help in saving lives, assets and cost and will cover at least following five areas to bear the desired results:

- A robust forecasting embedded in a clear decision-making process (forecast and triggers).
- Finances: That includes government's commitment for contingency financing.
- Reach: Number of beneficiaries and geographic scope.
- Sectoral scope: A collective, inter-agency action plan to include cash compensation and other interventions.
- Learning from the experiences of previous years lessons.

Keeping in view the challenges of Monsoon in the Province, the Government of Khyber Pakhtunkhwa is utilizing available resources to mitigate disaster risks and to enhance preparedness capacities to minimize losses to lives and property. There is no friction of doubt involved in the intentions of the Provincial Government that it is serious in investing in the flood management system but lack of sufficient water storage facilities, lack of effective regulations as well as due to poor early warning systems in the province are the constraints in formulation of a pulsating and effective flood risk management system. Presently, the available early warning and forecasting of floods is based on telemetry, which is installed by PDMA, WAPDA and Irrigation Department. The existing setup of Irrigation Department and PDMA can provide response time of 24-48 hours in river Swat, 5-7 hours in Kabul River and 36-48 hours in Indus River at DI Khan, which is quite insufficient time for evacuation of vulnerable communities of the areas which are on the affectee list.

Furthermore, considering the flash floods in the mountainous regions of the province, there is no early warning system to provide them with the basic facilities in a timely manner. The province has witnessed very little or no improvement in the water storage capacity due to little investment, which can boost the capacity that can otherwise reduce the province's vulnerability to floods. This limited storage capacity has further been undermined by massive silting, which is a common phenomenon that reduces mitigation capacities of these storage facilities.

2.2 MONSOON ANTICIPATORY RESPONSE ACTIONS AT NATIONAL LEVEL

2.2.1 NATIONAL DISASTER MANAGEMENT AUTHORITY (NDMA)

National Emergency Operation Center (NEOC) is activated in NDMA Islamabad for monitoring of the situation and coordination of possible response during monsoon season 2022 on 24/7 basis. The NEOC is always manned by a Duty Officer who functions under the overall supervision of Director (Response) NDMA.

1. NDMA coordinates emergency response of the Federal Government in the event of a National level Disaster through the NEOC.
2. NDMA can require any Government Department or Agency to make available such staff or resource that are available for the purpose of emergency response, rescue and relief.
3. It organizes initial and subsequent assessment of disaster affected areas and determines the extent of loss/damage and volume of relief required.
4. It coordinates and informs all concerned Department to prepare for emergency response.
5. NDMA also coordinates with Armed Forces, INGOs, UN Bodies and Philanthropist Organizations for resource mobilization.
6. Mobilize and deploy resources e.g. search and rescue medical teams in the affected areas.
7. Supply of food, water, medical supplies and NFIs to the affected population
8. Preparation of a transition plan from relief to recovery program.

2.1.2 FEDERAL FLOOD COMMISSION - FFC

Federal Flood Commission implements Flood Risk Mitigation Projects which include flood protection works as well as flood forecasting/ warning system improvements. As part of preparedness measures for Monsoon Season, FFC undertakes the following:

1. Countrywide monitoring of flood works;
2. Comprehensive Flood Management Plan for 10 years which has already been initiated;
3. In case of Exceptionally High Floods, parts of the discharges are managed by breaching the bunds on the pre-determined sites for safety of the main Hydraulic Structures (Bridges & Barrages) and main cities
4. FFD is an affiliated organization of PMD. It disseminates flood early warning and river flow updates to relevant National, Provincial and District Governments and National Response Agencies, especially in the context of Monsoon Season.

2.1.3 PAKISTAN METEOROLOGICAL DEPARTMENT (PMD)

PMD has a broad mandate of supporting agro-based economic activities, air and maritime traffic safety, disaster mitigation efforts and disseminating weather forecast to numerous end users. PMD will ensure the following during monsoon season:

1. Share weather forecasts and early warning information with NDMA, FFC, PDMA, and the Media on a regular basis in the monsoon period.²⁸
2. Coordinate with FFC, WAPDA, PCIW and FFD in the Monsoon period to generate flood warning where wanted.
3. Inform public on the weather forecast and issue warning in case of potential threat.
4. Collect rain data on a regular basis, consolidate and share it with all concerned.
5. Disseminate flood information to the NDMA/ PDMA on a daily basis during flood season.

2.1.4 MINISTRY OF WATER AND POWER

The ministry is responsible for the overall flood management and impact mitigation efforts through its attached departments (FFC, WAPDA, PCIW and IRSA). The Ministry deals with monitoring of preventive and preparedness measures as well as resource allocation for the protection works. Federal Flood Commission implements Flood Risk Mitigation Projects which include flood protection works as well as flood forecasting/warning system improvements:

2.2 MONSOON ANTICIPATORY RESPONSE ACTIONS AT PROVINCIAL LEVEL

2.2.1 RELIEF, REHABILITATION & SETTLEMENT DEPARTMENT - RR&SD

1. The relief rehabilitation and settlement department is mandated to formulate policies Strategies and guidelines for relief rehabilitation and emergency activities and get those implemented through the Provincial Disaster Management Authority, Rescue 1122 and Directorate of Civil Defence.
2. Relief, Rehabilitation & Settlement department is responsible for overall coordination with provincial and National department/ ministries and ensuring provision of support during calamities and emergencies through its attached formation.
3. Declaration of emergency all over Khyber Pakhtunkhwa or in some districts where the situation warrants as such declaration.

2.2.2 ANTICIPATORY PREPAREDNESS ACTIONS BY PDMA

Anticipatory action systems build on longer standing experiences with early warnings, forecasting and early warning-early action work very effectively within the humanitarian, development and disaster management sectors. In general, early warning systems for floods, and other climate and weather services have been observed to be cost effective in long run. The Disaster Risk Management –DRM section of the PDMA has kept a close liaison with other stakeholders to ensure in time adoption of mitigation measures for monsoon 2022 hazards.

On March 15, 2022, a coordination meeting was held by PDMA with the Provincial line departments for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

Similarly on March 16, 2022, a similar coordination meeting was held by PDMA with the Federal departments for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting too were dispatched to the Federal departments on March 24, 2022.

District line departments were taken on board by PDMA in a consultation meeting on March 18, 2022 in which their necessary input was sought and the meeting minutes were sent to them on March 24, 2022.

Official PDMA Advisories with proper documentation were dispatched to different departments including National Highway Authority; CEO PESCO; Sports, Culture, Tourism, Archaeology, Museum and Youth Affairs; Education; Communication and Works; Local Government Election and Rural Development Department on April 15 2022, in which emphasis was made for adoption of Monsoon Mitigation Measures.

Prior to onset of monsoon season PDMA has dispatched relief items and released sufficient funds to all districts based on the vulnerability and requirement of the respective districts. Moreover, all the stakeholders have been mobilized and sensitized for proper mitigation, prevention and preparedness measures.

PDMA role in case of emergencies in Khyber Pakhtunkhwa is highlighted as under:

1. Overall coordination for tackling any emergency situation in Khyber Pakhtunkhwa.
2. Early warning of approaching weather system will be provided by PMD/FFD and communicated to all concerned by PDMA. DDMUs are expected to translate weather forecast and flood warnings into usable early warning for vulnerable communities and ensure its timely dissemination to all concerned. In case, there is continuous rise in river water level, the people residing in lower terrain Areas will be evacuated to the safer places. Threatened population will be evacuated by DDMUs as per prepared plan.
3. In case, the districts fall short of meeting the humanitarian needs, PDMA will assist by making available the required stocks. In case, when disaster exceeds capacities of the Provincial Government, NDMA will be requested to make available the additional stocks from national reserves, prepositioned across the Country.
4. When required, Armed Forces may be requested for assistance by PDMA Khyber Pakhtunkhwa at any stage, particularly for rescue, evacuation and emergency relief phases. Thus, the DDMUs will have to submit the request to PDMA for assistance of armed forces in aid of civil administration.
5. PDMA will coordinate with key National Stakeholders including PMD, FFC, Armed Forces, Federal Agencies, DDMUs and Line Departments for management of the entire spectrum of Provincial Disaster Response.

A. PROVINCIAL EMERGENCY OPERATION CENTER - PEOC

PEOC is aimed to provide a platform and bridge for timely and accurate coordination between Provincial Line Departments and District Administration in time of emergencies and calamities. It provides a well-coordinated response mechanism in time of a disaster. PEOC remains functional 24/7 as its role includes but is not limited to dissemination of early warning, in time coordination and communication, analysis and dissemination of all information pertaining to pre-during and post disaster, operational updates and situation reports.



Following are the activities covered by PEOC in case of emergencies in Khyber Pakhtunkhwa:

- To make all arrangements for receiving forecast data from PMD and its dissemination. The PEOC will be functional till the termination of monsoon season / emergency.
- Shall receive and transmit flood/ water level information thrice in flood season and on hourly basis during emergency.
- Shall act as a central coordination, command and control facility responsible for carrying out emergency preparedness and emergency management functions at a strategic level in an emergency situation, and ensuring the continuity of response operations.

B. REMOTE CALL MANAGEMENT SYSTEM (1700)

Initially the call management system of 1700 was established to guide people against COVID-19 and to prevent potential spread of the pandemic. PDMA took this significant initiative by establishing a Remote Call Management System in Provincial Emergency Operation Center-PEOC with toll-free helpline 1700 on 13th

April, 2020. Via this helpline, now the callers are being guided about various issues, while sitting at their homes. Representatives of relevant government departments on the aforementioned services remain connected with 1700 while sitting in their own offices or homes.

C. INSTALLATION OF FLOOD TELEMETRY STATIONS FOR EARLY WARNING

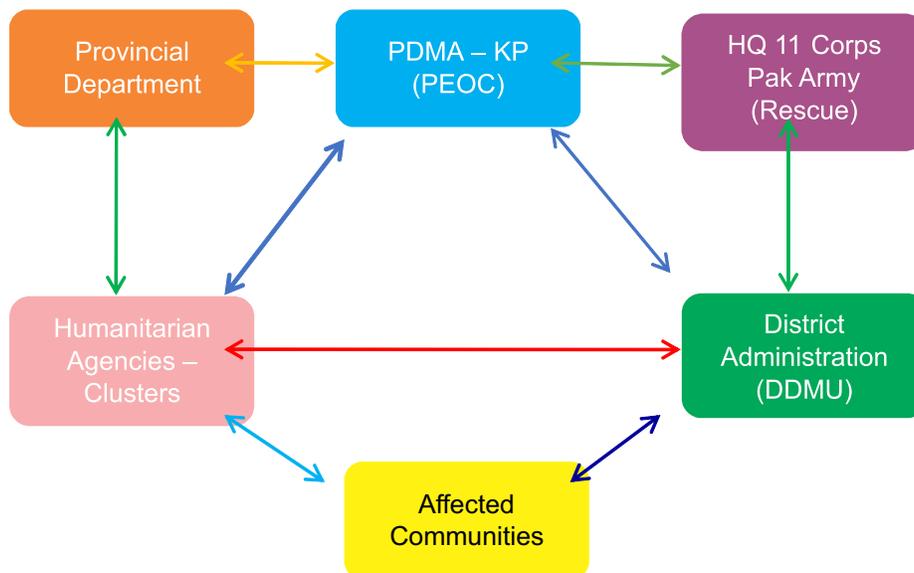
Provincial Disaster Management Authority under the project titled “Revamping of PEOC of PDMA has successfully installed flood Early Warning System in the upper catchment areas. in collaboration with Irrigation Department. These telemetry stations are at following points:

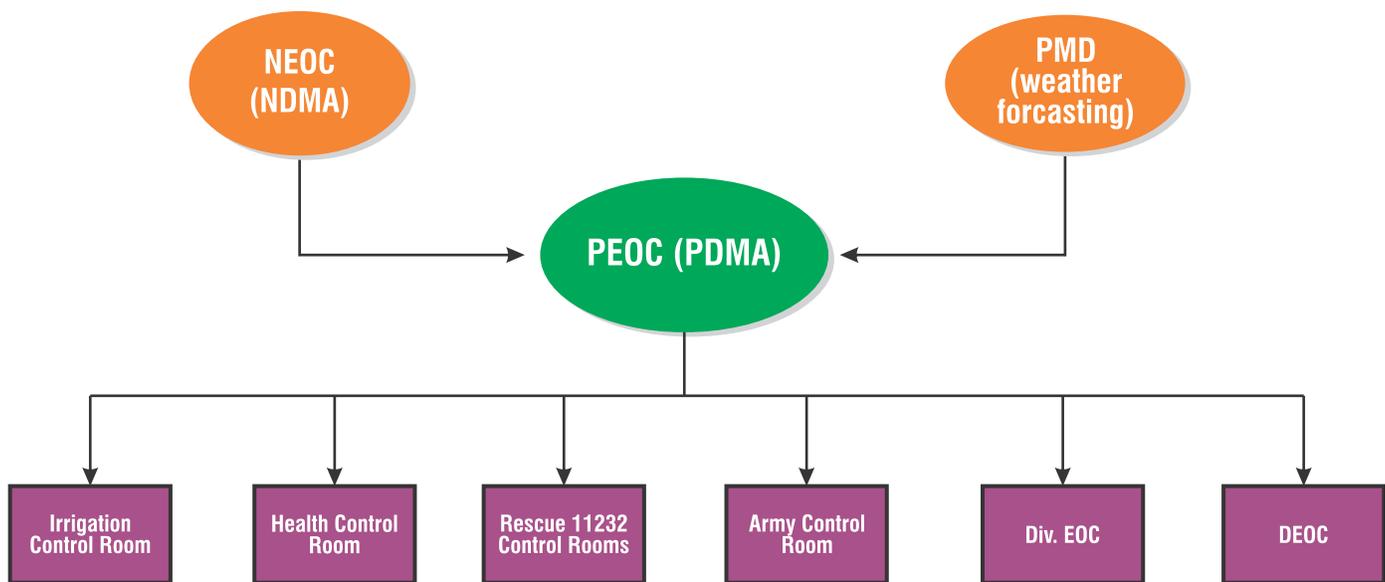
1. Kalpani Nullah at Malakand Mardan road Jalala Bridge Mardan;
2. Swat River at Chakdara Bridge Swat;
3. Swat River Khawzakhela Bridge Swat;
4. Munda Headworks at Abazi near Mohmand Agency Mohmand Agency;
5. Panjkora River at Jabalot Bridge Upper Dir, Lower Dir;
6. Budni Nullah Darmangi Bridge Peshawar;
7. Kabul River at Adezai Bridge Shabqadar Road Peshawar, Mardan/

Under this system modern technology has been utilized to modernize the existing water gauges and rain gauges to get real time readings for Water Discharge, Water Velocity and calculation of rain in millimeters. Its prime objective is to establish streams and rain gauges network in the hilly areas, linked with computer-based model. It stores stream water level data and rain precipitation data. Moreover, this intelligent software analyzes the existing data with previous flash flood historical data. Upon reaching a dangerous level, it generates alert signals. These alert signals activate Provincial Emergency Operation Center and subsequently the concerned district, Tehsil and union councils is alerted to prevent human losses in case of flood hazards.

D. COORDINATION WITH LINE DEPARTMENTS

PDMA entails horizontal coordination with the relevant Provincial line departments on one side and headquarters engineers 11 corps Peshawar on the other side. PDMA also coordinates with the humanitarian community for joint efforts in prevention, mitigation, preparedness, rescue, relief, response and early recovery. On the other hand, vertical coordination occurs with District Administrations for effective early warnings, preparedness, and rescue and relief efforts at district level.





A. AUTOMATIC DSR - DAILY SITUATION REPORT

A Daily Situation Report (DSR) is issued from Provincial Emergency Operation Center twice a day. DSR is drafted on the basis of information received from respective divisional control rooms of the province. DSR is automated through Report Management System for maintaining updated Database and sharing of DSR with one click facility through email. DSR is shared with relevant departments and stakeholders for making informed decisions related to any untoward incidents/ emergency situation.

B. MEDIA & AWARENESS CAMPAIGNS BY PDMA

PDMA Khyber Pakhtunkhwa uses social media tools to reach wider audience in the digital world. Broachers and awareness message developed by Media Section for awareness raising are regularly shared on its Facebook and twitter pages where huge number of following makes it easy for wider public outreach with zero financial implications. PDMA has adapted a strategy of engaging news analysts in briefings on disaster risk reduction and impacts of climate change on communities. It results in publication of various features, stories and reports related to disaster management and guidance to general public. It has reduced the expenditure of dedicated media campaigns.

PDMA Khyber Pakhtunkhwa is using modern communication technologies for wider public information dissemination and management. For this purpose, the following social media accounts and groups have been formulated:

1. Facebook Account (close liaison with Directorate of Information and other line Departments);
2. Twitter Account;
3. Skype Group;
4. Information Highway;
5. PDMA official Groups.

2.2.3 RESCUE 1122 KHYBER PAKHTUNKHWA

Rescue 1122 is ready 24/7 to deal with any kind of emergency in 32 districts of Khyber Pakhtunkhwa. Following are the activities undertaken by Rescue 1122 in case of emergencies:

1. Rescue 1122 will be sharing Information regarding technical and personnel expertise with PDMA and DDMUs;
2. Conduct training in first aid & other activities for community members who are regular Affectees of Flood;
3. Effectively train & mobilize Locals and initiate mass awareness regarding necessary first aid-rescue activities;
4. Deployment of Rescue 1122 respondents at the disposal of DDMU for extending help to the flood affectees;
5. Evacuation and initiation of basic first aid;
6. Communicate to DEOC any additional resources required for performing;
7. Rescue and Evacuation Activities;
8. Taking precautionary measures to stop Fire-incidents in camps and perform Firefighting in emergency;
9. Management of relief camps where required;
10. Assisting District Administration and other Line Departments in Rehabilitation works.

The detailed resource mapping of Rescue 1122 in Khyber Pakhtunkhwa has been elaborated at Annexure II.

2.2.4 CIVIL DEFENCE KHYBER PAKHTUNKHWA

In monsoon season emergencies, the Civil Defence will carry out functions of:

1. Establishment of monsoon emergency Control Cell in respective districts;
2. Information sharing regarding technical and personnel expertise with PDMA and DDMUs;
3. Conduct training for volunteers in first aid & other activities;
4. Keeping the volunteers/Razakaars on alert;
5. Carrying out rescue operations;
6. Provision of assistance in relief activities;
7. Taking precautionary measures to stop Fire-incidents in camps and perform Firefighting in emergency.

2.2.5 IRRIGATION DEPARTMENT

Irrigation Department is responsible for constructing and maintaining irrigation infrastructure in the district. The activities undertaken by the department in monsoon season are as following:

1. Carry out a detailed vulnerability assessment of Irrigation infrastructure, rivers, streams, nullahs and other water ways in the district, clearly identifying vulnerable structures. Past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Monitor erosion of river/canal/nullah banks and carry out required re-enforcements, repair and maintenance and or coordinate with relevant provincial/federal authorities if repair/civil work are out of the ambit of district Irrigation Department.
3. Continuously monitor water flow especially after an alert is issued by the Metrological Department.
4. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages
5. Maintain machinery for reinforcement of river/canal/nullahs banks during disaster.
6. Sign a standby agreement with Government Contractors for using their machinery during disaster.

On March 15, 2022, a coordination meeting was held by PDMA with the Irrigation Department for the

preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

Additionally on April 15, 2022 PDMA sent advisory to Irrigation Department to adopt mitigation measures in view of the approaching monsoon season. The gist of the advisory of PDMA included instructions like; complete the necessary construction / repair of check dams and flood protection walls / structures and sort out gaps in M&R process and funds; Vulnerability assessment of infrastructure and allocation of M&R funds based on vulnerability of each district; Ensuring implementation of Water Act 2020 in coordination with District Administration and ensure removal of encroachments from canals, flood plains, waterways and river banks; De-silting of canals and disposal of waste from the site.

The Vulnerability Assessment of Irrigation Infrastructure has been carried out at Annexure 4.

2.2.6 LOCAL GOVERNMENT, ELECTIONS AND RURAL DEVELOPMENT DEPARTMENT

1. To chalk out vulnerable places / populations in major urban cities regarding urban Flood and take all necessary measures for minimizing the impacts of urban Flood.
2. Prepositioning of all necessary equipment's and resources at the most vulnerable places.
3. To carryout survey of bill boards and remove / replace those which are in dilapidated conditions and are posing as hazards, to avoid any untoward events during monsoon season.
4. Mitigation measures for urban Flood including but not limited to clearing of chocked sewerage / drainage channels and removal of waste from the site.
5. The District Administration will follow Water Act 2020 for removal of encroachments in each district.
6. Implementation of building codes in urban & rural areas.
7. Sharing data of M&R funds, sorting out gaps in M&R process and funds, list of machinery and its condition in each district.
8. Mobilizing of TMAs for planning / action for monsoon 2022.
9. Activation of Control Room and sharing its particulars / contacts with PDMA for linking with Provincial Emergency Operation Center (PEOC), PDMA.

2.2.7 PUBLIC HEALTH ENGINEERING DEPARTMENT (PHED)

SOPs for PHED applies to all such government organizations providing water and sanitation services within the geographical boundaries of Khyber Pakhtunkhwa, and the responsibilities of Executive Engineer in this SOPs will apply to the heads of all such bodies.

1. Carry out a detailed vulnerability assessment of drinking water and sanitation infrastructure in the district/catchment area, clearly identifying vulnerable facilities. Past events of disasters (At least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Assess water pumps, water supply lines and sanitation lines and carry out required repair and maintenance.
3. Protect water sources in flood prone areas.
4. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages
5. Maintain standby water pumps, generators and fuel stock to be used in disasters
6. Prepare an alternate plan of action for water supply to hospitals and health centers in the event of disaster
7. Sign a standby agreement with water tankers (or such company) based on vulnerability assessment

and alerts.

8. Maintain stock of chlorine and water purification tablets based on the vulnerability assessment and alerts.
9. Prepare for installation of water and sanitation facilities in the temporary shelter locations identified by DDMU.

On March 15, 2022, a coordination meeting was held by PDMA with Public Health Engineering Department for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

2.2.8 COMMUNICATION AND WORKS – C&W DEPARTMENT

Construction and maintenance of road network and bridges is done by Communication and Works department which is headed by Executive Engineer in district. The activities undertaken by the department in monsoon season are as following:

1. Carry out a detailed vulnerability assessment of road network and bridges in the district, clearly identifying vulnerable structures. Past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Carry out necessary repair and maintenance of damaged/vulnerable roads and bridges and make them safer to withstand disasters.
3. Plan alternate routes for vulnerable roads and bridges to facilitate evacuation and humanitarian response.
4. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.
5. Continuously monitor vulnerable roads and bridges during flood season and immediately inform DDMO of any damage and alternate route.
6. Maintain machinery for clearing roads in the event of disasters.
7. Sign a standby agreement with Government Contractors for using their machinery during disaster.
8. Maintain stock of pre-fabricated bridges to be installed on emergency basis during disasters. The volume of stock should be based on disaster alerts, damages history and vulnerability of bridges/roads in the district.

On March 15, 2022, a coordination meeting was held by PDMA with the Health Department for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

The details of roads of Pakhtunkhwa Highways Authority PKHA have been elaborated at Annexure III)

2.2.9 HEALTH DEPARTMENT

Health department deliver its services through Basic Health Unit (BHU), Rural Health Center (RHC), Tehsil Headquarter Hospital (THQ) and District Headquarter Hospital (DHQ). The activities undertaken by the department in monsoon season are as follow:

1. To Carry out a detailed vulnerability assessment of health infrastructure in the district, clearly identifying vulnerable hospitals. Past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Make an evacuation plan for indoor patients from vulnerable facilities in the event of emergency especially after alert.

3. Identify health facilities to serve as response bases in the event of emergency. Such bases should be in a safer location in the closer vicinity of the vulnerable areas.
4. Maintain stock of life saving medicines, surgical tools and other equipment especially after disaster alert.
5. Shift medical equipment (X-ray, ultrasound, ECG, MRI machines etc) to higher ground, preferably first or second floor, in the health facilities vulnerable to Flood.
6. Establish/strengthen mother and child facility in the hospitals, especially in the response bases.
7. Keep all ambulances operational with adequate stock of fuel.
8. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.
9. Liaise with public and private teaching hospitals, specialized hospitals and centers to ascertain the capacity of health response in the district.

On March 15, 2022, a coordination meeting was held by PDMA with the Health Department for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

With the recent Heatwave recorded during the months of May, PDMA has issued official advisories to the concerned on May 9, 2022 stating that there is a possibility of an increase of 7 to 9 Degree Celsius above the normal temperatures during the week between May 9th and 14th. The gist of the advisory of PDMA included instructions like; establishment of Heatstroke centers in all the health facilities and Ensure availability of essential medicines on urgent basis.

2.2.10 POLICE

Police has a critical role to play in disaster and therefore preparedness measures are very important so that police force and resources can be utilized for saving lives and property of affected communities in disasters. Following shall be the responsibilities of District Police Officer for preparing police force to respond to disasters. District Police Officer shall:

1. Take updates from DDMU about emergency alerts on regular basis.
2. Get a copy of vulnerability assessment from DDOC, assess police stations' safety and security in the vulnerable areas and take necessary measures to reduce vulnerability of police personnel and equipment.
3. Make deployment plan for rescue and relief for vulnerable areas.
4. Train police force for rescue and relief. There should be at least one team at tehsil level who are trained in rescue and relief and equipped with necessary tools.
5. Regularly check wireless communication network and make it available to DDMU/Deputy Commissioner when required for communication during emergency.
6. Take regular updates from Police Stations and Police Posts in the district about any disaster risk and communicate to DEOC and relevant departments and authorities.
7. Keep all vehicles in running condition with enough fuel stock for deployment in disasters
8. Assist DDMU in dissemination of information about alerts through police stations and police posts in the vulnerable areas.
9. Liaise with communication and works department for information of vulnerable roads/bridges, alternate routes in disasters and make traffic management plan accordingly.
10. Conduct security assessment of the district and identify secure areas for humanitarian workers and

organizations in the district, preferably in the closer vicinity of vulnerable areas.

11. Make deployment plan for security of humanitarian workers and organizations in affected areas.
12. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.

With the recent Heatwave recorded during the months of May, PDMA has issued official advisories to the Provincial Police Officer Khyber Pakhtunkhwa on May 9, 2022 stating that there is a possibility of an increase of 7 to 9 Degree Celsius above the normal temperatures during the week between May 9th and 14th. The gist of the advisory of PDMA included instructions like; availability of necessary equipment / items on urgent basis to their field staff for protection from direct sunlight and proper arrangements in jails.

2.2.11 ELEMENTARY AND SECONDARY EDUCATION DEPARTMENT

Elementary and secondary education (ESE) department has the largest network of buildings and has the greatest number of employees in the district. Schools can be used for awareness raising and information dissemination about disaster preparedness, evacuation, first aid and Do's and Don'ts during a disaster. The activities undertaken by the department in monsoon season are as following:

1. Carry out a detailed vulnerability assessment of school buildings. Past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Identify schools for potential temporary shelter in a safe location close to vulnerable areas based on vulnerability assessment of DDMU.
3. Assess identified schools' capacity (in terms of number of families that can be housed), availability/need of drinking water, availability / need of sanitation, availability/need of boundary wall and share information with DDMU.
4. Prepare a roster of teachers and staff to be deployed in rescue and relief activities during emergency.
5. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.

On March 15, 2022, a coordination meeting was held by PDMA with the Elementary & Secondary Education Department for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

With the recent Heatwave recorded during the months of May, PDMA has issued official advisories to the concerned on May 9, 2022 stating that there is a possibility of an increase of 7 to 9 Degree Celsius above the normal temperatures during the week between May 9th and 14th. The gist of the advisory of PDMA included instructions e.g. all education institutions to minimize the study hours in wake of prevailing Heatwave and proper arrangements/ monitoring of situation at schools.

2.2.12 AGRICULTURE AND LIVESTOCK DEPARTMENT

Agriculture, horticulture and livestock are the main livelihood sources in rural areas of Khyber Pakhtunkhwa. Agriculture department will take following proactive steps in disaster preparedness and response at the district level.

1. Carry out a detailed vulnerability assessment of the district especially flood prone areas past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.

2. Conduct assessment of the potential diseases for crops and livestock in the given climatic condition and season (Rabi/Kharif crops), crops cultivated, cattle head types in the area and based on the history of diseases for crops and cattle head in vulnerable areas.
3. Conduct capacity assessment of agriculture extension services and identify gaps in terms of staff, stock and facilities.
4. Maintain stock of required chemicals and medicines for crops and livestock and plan for fumigation of crops and vaccination of cattle head after flood alert.
5. Establish/designate emergency response bases for emergency in the close vicinity of vulnerable areas
6. Identify fodder suppliers, take quotations and select a supplier so that supply of fodder can be arranged in minimum possible time.
7. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.

On March 15, 2022, a coordination meeting was held by PDMA with the Agriculture & Livestock Department for the preparation of the Monsoon Contingency Plan 2022 and their necessary inputs. The minutes of that meeting were duly dispatched to the relevant provincial line departments on March 24, 2022.

With the recent Heatwave recorded during the months of May, PDMA has issued official advisories to the concerned on May 9, 2022 stating that there is a possibility of an increase of 7 to 9 Degree Celsius above the normal temperatures during the week between May 9th and 14th. The gist of the advisory of PDMA included instructions e.g. precautionary measures to be taken by the farmers during wheat harvesting and ensure safety of livestock.

2.2.13 FOOD DEPARTMENT

Food department is responsible for maintaining adequate food stock in the district and regulates market to ensure availability of adequate food items with required quality and approved rates. Food department needs to prepare for disasters by taking the following measures:

1. Conduct vulnerability assessment of all government food godowns in the district especially those in the vulnerable areas. Past events of disasters (at least in the past 10 years) and disasters' alerts are to be taken as key information in the vulnerability assessment.
2. Carryout necessary repair and maintenance where needed for safety of food from disasters.
3. Assess availability of food in government godowns and make necessary arrangements for storing adequate ration
4. Assess availability of food in the market and take appropriate measures to avoid food shortage in the event of disaster. Measures may include identification of food suppliers in other districts and arrangement for standby agreements for transport.
5. Designate an emergency information officer to liaise with DEOC and PEOC in preparedness and response stages.

2.2.14 SOCIAL WELFARE DEPARTMENT

Social Welfare Department is the focal point for registration, monitoring and sometimes funding of voluntary organizations in the district and is in a better position to utilize the human and material resource of such organization in different stages of disaster. Headed by Social Welfare Officer at the district level, the department will have the following responsibilities in disaster preparedness:

1. Convene quarterly meetings with NGOs/CBOs working in the district to apprise them of the overall

vulnerability of the district, alerts received from DOEC and to discuss the preparedness level of these organizations.

2. Assess capacity of district-based NGOs/CBOs in disaster preparedness and response.
3. Persuade NGOs/CBOs to allocate resources for disaster preparedness activities including capacity building of volunteers and employees, community resilience and for awareness campaign under the overall guidance of DDMU.
4. Task NGOs/CBOs to prepare their own disaster management plans based on the vulnerability assessment of the district.
5. Involve NGOs/CBOs in vulnerability assessment of the district by coordinating with DDMU.
6. Designate an emergency information focal person so liaise between NGOs/CBOs and DDMU in disaster preparedness. NGOs/CBOs will directly report to and coordinate with DDMU in the response stage.

2.2.15 FOREST DEPARTMENT

Forest department has key role in disaster preparedness especially in the context of floods and land sliding. Responsibilities of Forest Department include protection of existing forests and expanding covered area. Following will be SOPs of Forest Department:

1. Conduct detailed assessment of all areas in the district, especially the vulnerable areas, to ascertain the status of forests, level of deforestation and to identify sites for plantation.
2. Make a plan for plantation in the district with a special focus in areas prone to soil erosion, sliding and Flood. Carryout plantation in spring and monsoon season in the identified areas.
3. Take steps for marking vulnerable areas as 'reserved areas' for forests with no tolerance of cutting trees.
4. Regularly check deforestation activities in the district with the involvement of local communities.
5. Designate an emergency information focal person so liaise with DEOC and PEOC in disaster preparedness and response stages
6. Remove and regularly check wood logs from river banks to avoid obstruction of flood water
7. Communication of early warning for floods and other hazards with all stakeholders.

2.2.16 SPORTS, CULTURE, TOURISM, ARCHEOLOGY, MUSEUM & YOUTH AFFAIRS DEPARTMENT:

1. Preparation of sector specific monsoon contingency plan including but not limited to resource mapping, coordination mechanism, tourist information centers, safe evacuation routes.
2. Gathering data through tourist facilitation centers like number of tourists and vehicles enter in each district and sharing the same with Provincial Emergency Operation Center (PEOC), PDMA on daily basis during peak tourism season.
3. Activation of Control Room and linking the same with Provincial Emergency Operation Center (PEOC), PDMA.
4. Mobilization / awareness campaign for tourist about cleanness on Tourist spot.
5. Issuing alerts for tourist regarding weather forecast, land sliding and flood prone areas.
6. Share the list of tourist information centers and rescue stations

2.3 MONSOON ANTICIPATORY RESPONSE ACTIONS AT DISTRICT LEVEL

2.3.1 DISTRICT DISASTER MANAGEMENT UNIT (DDMU)

1. Respective DDMUs, backed by PDMA would be the first responders in case of any untoward monsoon

incidents.

2. The Deputy Commissioners shall keep close liaison with all departments like Local Government, Health, Agriculture, Civil Defence, Irrigation, Works & Services, Education & Literacy, Police & other Law enforcement Agencies. Meetings in this regard are to be held on regular basis with concerned departments and minutes are to be shared with other Divisional Commissioners and PDMA.
3. If there is likelihood of heavy rains and flood damages, emergency would be declared in the District and all Government functionaries (and NGOs) would be kept on high alert.
4. Control Rooms would be established at District level in the offices of the Deputy Commissioners, DDMO and all other line departments during the Rain/Flood emergency. These Control rooms shall function round the clock.
5. The Deputy Commissioners shall ensure activation of District Emergency Control Rooms at their offices round the clock which should fall under the supervision of concerned District Disaster Management Officers – DDMO. They shall also ensure preparedness at proposed relief camps and also ensure immediate evacuation of people residing in low-lying areas to safer place/ relief camps, if required. He shall also make immediate arrangements for the availability of sufficient quantity of relief Material like food, blankets, tents- plastic sheets etc.
6. The Deputy Commissioner must further ensure that special attention is given to the disabled people and women and children and extra ordinary measures are taken for such purpose.
7. The Deputy Commissioner shall nominate the Additional Deputy Commissioner (Relief) / Assistant Commissioner (General) as focal persons to coordinate with the Tehsil/ Town level local councils for drainage of accumulated rain water during monsoon season-2022.
8. The Additional Deputy Commissioner (Relief) / Assistant Commissioner (General) shall be focal persons for the entire operations of rescue and relief. They must ensure the respective arrangements for machinery/ equipment and manpower in coordination with Civil Defense, Rescue 1122 and Police Department if needed and mobilize the village staff in the pre-and post-emergency work. They shall also ensure proper distribution of relief material among the actual needy persons.
9. The Deputy Commissioners shall ensure mobilization of the NGOs and business community in the rescue and relief activities in case of emergency and shall depute volunteers on different emergency tasks.
10. DDMUs would be responsible for effective and transparent relief distribution including relief provided by PDMA, NDMA and other Humanitarian Agencies.
11. DDMUs would be responsible for provision of search and rescue, medical and emergency responses.
12. Camps will be established at pre-selected sites by DDMUs. All Division / Districts must be ready to handle the initial caseloads within their own mechanism and resources.

2.4. ANTICIPATORY ACTIONS BY COMMUNITIES (BEST PRACTICES)

In regard to flood anticipation, every flood-affected community, both individually and in the community, has its strategy that is born from hereditary experiences and knowledge. When the rainy season arrives, they make various preparations as a strategy to minimize their losses. Based on the decades of experience of the local communities and according to international best practices, in the anticipation of occurrence of a flood, there are several strategies adopted by the locals to minimize the negative impact of floods, namely;

1. Community's Internal Early Warning System: Mobilization of community early warning system and mock exercises.
2. Refuge to a neighboring area where houses are flood-free: Not all the local community members adopt this strategy as most of them stay in their homes with the intent of observing floods, unless the floods

rise and they have to leave their homes. However, through the local Masjid, community awareness in this regard to migrate to a neighboring community to save human life and livestock needs to be imparted.

3. Put the goods in a higher place: Flood conditions that affect the houses are very diverse depending on the physical environment. Some floods flow through people's houses, and there are also floods that inundate low-level houses (10 cm), moderate levels (30 cm) and high levels (1 meter). Also, the effort of community members is conditioned by the situation of each home. Especially food items and clean drinking water needs to be stored at a higher place in case of floods.
4. Bind goods so as not to drift: Local communities should be informed in time to bind their goods so as not to drift away.
5. Protect Livestock: Raising livestock in their villages is a need based activity for many community members. When the floods come, they should rescue the livestock in various ways such as evacuate them in flood-free locations or save in a safe place from the floods inside the house.
6. Preparing rubber tires for transportation: Mostly when floods reach a height of 1 meter or above, locals should prepare giant rubber tires as a means of transportation. They can use it to transport anything, especially goods and people.

2.5 COORDINATION WITH HUMANITARIAN ORGANIZATIONS

1. Resources of Humanitarian partner organizations and domestic philanthropy may be requisitioned, if the intensity of the situation so entails for an effective response.
2. Welfare associations and NGOs of the district will provide food packets and other required material to the affected persons in relief camps in case of emergency.

PDMA will keep close coordination with UN Agencies and other humanitarian partners to fill in the response and relief gaps.



CHAPTER 3

ANTICIPATED CASE LOAD & PREPAREDNESS



3.1 PREPAREDNESS STRATEGIES FOR MONSOON EMERGENCY 2022

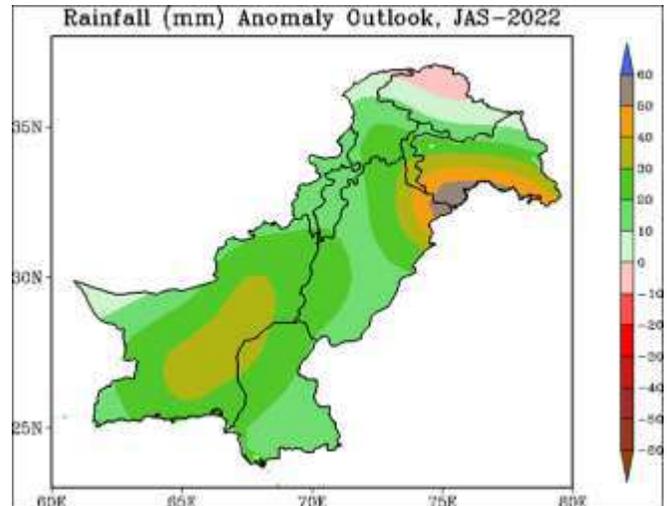
This chapter will be analyzing the preparedness strategies based on extent of flood as well as the availability of resources at the districts.

3.1.1 OUTLOOK FOR MONSOON (JAS), 2022 (SEASONAL OUTLOOK)

During the monsoon season (JAS 2022), weak La-Niña conditions and negative phase of IOD is expected. Based on the global and regional circulation patterns, the outlook for monsoon 2022 in Pakistan is as under:

Overall, a tendency for above normal precipitation is likely over the country during forecast season (JAS).

Monsoon onset is expected during the last week of June whereas pre-monsoon rains may occur from second week of June. Monsoon rainfall is expected to be above normal over Punjab and Sindh whereas slightly above normal rainfall is expected over remaining parts of the country.



Area weighted normal rainfall of Pakistan during Jul - Sep is 140.8 mm.

First phase (1st July to mid-August) of monsoon is expected to be wet as compared to the last phase (mid-August to end of September).

IMPACTS

- Possibility of extreme hydro-meteorological events over catchment areas cannot be ruled out, that may generate riverine floods in the major rivers.
- Heavy rainfall events may trigger flash flooding in hilly areas and urban flooding in plain areas
- i.e. major cities of Sindh, Punjab, AJK and KP during the season.
- Above normal temperatures in high altitudes are likely to increase rate of snowmelt in the Northern Areas subsequently increasing the chances of base flow in the Upper Indus basin.
- Sufficient water availability for irrigation and power sectors will be a good impact.

Note: The current outlook is based on the May atmospheric conditions. Keeping in view the rapid changes in climate system dynamics, the monthly outlook will be updated during the last week of each month.

Source: Pakistan Meteorological Department

3.1.2 THE PLANNING PROCESS

The process of planning for monsoon 2022 was started from February 2022, a series of consultative meetings were held with Provincial and Federal Line Departments, Humanitarian partners and the District Admn/DDMUs which are the foremost important stakeholders. The pupose of these consultations were vulnerability assessment, resource mapping, identifying sorting out gap in available and required resources, bifurcation of roles and responsibilities and establishing coordination mechanism.



3.1.3 ANTICIPATED VULNERABLE POPULATION BASED ON “WORST SCENARIO 2010 FLOODS” USING MULTIDIMENSIONAL POVERTY INDEX (MPI INCIDENCE)

The global Multidimensional Poverty Index (global MPI) is a poverty measure that reflects the multiple deprivations that poor people face in the areas of education, health, and living standards. MPI indexing was carried out in Pakistan in 2014 / 2015, duly endorsed by Pakistan Government and the UN Organizations.

According to UN, almost 1.22 million people were affected with 2010 floods in Khyber Pakhtunkhwa. If the annual population growth rate of 2.8% (per Khyber Pakhtunkhwa official website) is applied to the figure of 2010 to estimate 2022 affected population for a similarly devastating flood, there will be 1.63 million affectees today. By using the MPI Index of province of Khyber Pakhtunkhwa which is 50.7%, there is a probability that almost 826,371 people (118,053 Household) will be affected. The data used for the Pakistan's MPI National poverty measure is drawn from the Pakistan Social and Living Standards Measurement (PSLM) surveys for the years 2004/05, 2006/07, 2008/09, 2010/11, 2012/13 and 2014/15.

District	Affected number of peoples at Worst Hazard Zone Based on 2010 Floods	(Based on 2010 Flood) Affected Population Projection of 2022	District Wise Multidimensional Poverty Index - MPI 2014 / 2015	Vulnerable Using MPI Incidence	Vulnerable HH
Swat	156,467	209,040	55%	114,972	16424.57
D. I. Khan	95,760	127,935	66%	83,926	11989.43
Nowshera	164,826	220,208	37%	82,358	11765.43
Peshawar	157,377	210,256	32%	66,231	9461.57
Charsadda	99,355	132,738	45%	59,201	8457.29
Bannu	73,113	97,679	59%	57,240	8177.14
Lakki Marwat	53,460	71,423	63%	44,782	6397.43
Malakand	65,382	87,350	37%	32,407	4629.57
Mardan	68,487	91,499	34%	30,927	4418.14
Tank	31,815	42,505	71%	30,221	4317.29
Lower Dir	43,300	57,849	42%	24,065	3437.86
Mansehra	33,803	45,161	41%	18,380	2625.71
Haripur	45,219	60,413	25%	14,922	2131.71
Kohat	23,061	30,809	48%	14,635	2090.71
Buner	15,122	20,203	72%	14,465	2066.43
Shangla	11,231	15,005	80%	12,034	1719.14
Swabi	18,731	25,025	44%	10,961	1565.86
Battagram	7,537	10,069	75%	7,572	1081.71
Hangu	8,776	11,725	56%	6,542	934.57
Chitral Lower	9,108	12,168	43%	5,269	752.71
Torghar	3,841	5,132	92%	4,721	674.43
Abbottabad	10,736	14,343	33%	4,719	674.14
Chitral Upper	6,871	9,180	43%	3,975	567.86
Karak	4,543	6,069	50%	3,053	436.14
Upper Dir	2,886	3,856	76%	2,946	420.86
Kolai Palas Kohistan	3,678	4,914	49%	2,418	345.43
Kohistan Upper	3,311	4,423	49%	2,176	310.86
Kohistan Lower	2,207	2,949	49%	1,451	207.29
Total	1,220,003	1,629,924		756,567	108081.29

3.1.4 DAMAGES RPEORT OF THE MONSOON 2021

The following table provides details of human lives lost, injuries sustained and damages occurred to the infrastructure during the Monsoon season of 2021.

DISTRICT	GENDER WISE SEGREGATED DATA FROM 15/07/2021 TO 15/09/2021 (Flood/GLOF/Gusty Winds/Heavy Rain/Land Sliding/Rain/Snow Avalanche /Snow Melting/Soil Erosion/Thunder Lightning/Thunder Stram)															
	HUMAN LOSSES/ INJURIES					CATTLE PERISHED					INFRASTRUCTURE DAMAGES					
	DEATH		INJURED		Total	Total	HOUSES		SCHOOLS		OTHERS		Total	Total	Total	
Male	Female	Male	Female	Child			Child	Fully	Partially	Fully	Partially	Fully				Partially
Abbottabad	1	2	5	0	0	1	1	2	16	18	0	0	0	0	0	0
Bajaur	0	0	4	1	1	1	3	0	1	1	0	0	0	0	1	1
Bannu	1	0	1	0	1	0	1	0	1	1	0	0	0	0	0	0
Battagram	1	0	1	4	0	0	4	0	0	0	0	0	0	0	0	0
Buner	0	0	1	0	3	0	3	0	14	14	0	0	0	0	0	0
Charsadda	0	1	0	0	1	1	1	4	29	33	0	0	0	0	1	1
D. I. Khan	1	0	1	0	0	2	2	0	76	76	0	0	0	0	1	1
Haripur	0	0	0	0	0	0	0	0	2	2	0	2	0	0	0	0
Karak	1	0	2	3	0	1	3	4	89	91	0	0	0	0	1	1
Khyber	0	0	2	0	1	1	2	0	2	2	0	0	0	0	0	0
Kohat	0	0	5	1	1	6	8	0	1	1	0	0	0	0	0	0
Kurram	0	1	0	1	0	0	0	0	1	1	0	0	0	0	0	0
Lower Dir	1	0	2	3	4	1	2	7	0	1	0	0	0	0	3	3
Lower Kohistan	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
LowerChitral	0	0	0	0	0	0	0	0	1	2	0	0	0	5	17	22
Malakand	0	1	0	1	0	0	0	0	2	2	0	0	0	0	0	0
Mansehra	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Mardan	1	1	4	6	5	3	9	17	18	19	0	0	0	0	2	2
North Waziristan	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0
Nowshera	1	0	0	1	4	0	3	7	10	11	0	1	0	1	1	1
Peshawar	0	2	3	5	5	2	5	12	4	5	0	0	0	0	1	1
Shangla	1	1	0	2	1	2	4	7	3	3	0	0	0	0	0	0
South Waziristan	1	0	0	1	2	0	0	2	0	0	0	0	0	0	0	0
Swabi	0	0	0	0	0	0	3	3	0	1	0	0	0	0	0	0
Swat	1	2	0	3	1	3	4	0	7	8	0	1	0	1	0	0
Tank	0	0	1	1	0	1	1	0	25	26	0	0	0	0	0	0
Torghar	2	4	7	13	0	0	3	3	2	2	0	0	0	1	0	1
Upper Dir	2	0	2	4	0	0	3	3	1	8	9	0	0	0	0	0
UpperChitral	0	0	0	0	0	0	0	0	5	10	0	0	0	1	0	1
Total(s)	16	15	38	69	28	19	48	95	37	340	0	4	4	7	28	35

3.1.5 GENDER SEGREGATED VULNERABLE POPULATION OF 10 MOST VULNERABLE DISTRICTS

The following table provides details of current vulnerable population in the top 10 most affected districts of 2010 Flood.

Gender Segregated Data of Most Vulnerable Districts of Khyber Pakhtunkhwa										
S. No	District	Index	Population	Gender wise segregation			Children population @53% of total	Person with disability@ 15%	Older Persons @ 7%	Pregnant/SRH services @ 25% of total women population
				Male	Female	Transgender				
1	Chitral	Medium	447,362	225,846	221,515	1	237,102	67,104	31,315	55,378
2	Charsadda	High Risk	1,616,198	820,520	795,657	21	856,585	242,430	113,134	198,914
3	D. I Khan	High Risk	1,627,132	838,793	788,294	45	862,380	244,070	113,899	197,073
4	Peshawar	High Risk	4,269,079	2,201,257	2,067,591	231	2,262,612	640,362	298,836	516,897
5	Shangla	High Risk	757,810	385,471	372,338	1	401,639	113,672	53,047	93,084
6	Kohistan Upper & Lower	High Risk	784,711	434,956	349,746	9	415,897	117,707	54,930	87,436
7	Nowshera	V.High	1,518,540	781,722	736,778	40	804,826	227,781	106,298	184,194
8	Swat	V.High	2,309,570	1,172,974	1,136,544	52	1,224,072	346,436	161,670	284,136
9	Tank	High Risk	391,885	200,687	191,194	4	207,699	58,783	27,432	47,798
10	Dir Upper	High Risk	946,421	466,173	480,247	1	501,603	141,963	66,249	120,061

Note:

- Persons with Disability: The UN Convention on the rights of Persons with Disabilities (UNCRPD) states in its first article; PWDs includes those who have long term physical, mental, intellectual or sensory impairment which in interaction with various barriers may hinder their full and affective participation in society on an equal basis with others. It is recommended to find out if the respondent has any difficulty in performing certain activities (walking, seeing, hearing, cognition, self-care and communication), as well as the level of difficulty (no – no difficulty, yes – some difficulty, yes – a lot of difficulty or cannot do it at all).
- An Older Person is defined by the United Nation as a Person who is over sixty years of age.
- Part-1 Article -1 (UNCRC) A child means every human being below the age of 18 years.
- Age Cohort, 0-5, 6-12, 13-17, 18-29, 30-39, 40-49, 50-59, 60-69, 70-79, and 80+.

3.1.6 FLOOD IMPACTS SCENARIO (BASED ON 2010 FLOOD)

Projected households likely to be affected in 2022 based on 2010 flood data

S.No	Districts	Affected HH at High Impact Floods (Assumed for 2022)	Affected HH at Medium Impact Floods (Assumed for 2022)	Affected HH at Low Impact Floods (Assumed for 2022)
1	Abbottabad	3,753	1,251	417
2	Bajaur	4,504	1,502	501
3	Bannu	8,162	2,721	907
4	Battagram	20,905	6,969	2,322
5	Buner	13,644	4,548	1,516
6	Charsadda	89,921	29,974	9,992
7	Chitral (lower)	18,538	6,179	2,059
8	Chitral (upper)	19,289	6,430	2,143
9	D.I Khan	15,485	5,162	1,721
10	Dir Lower	4,740	1,580	526
11	Dir Upper	134,568	44,857	14,952
12	Hangu	17,173	5,724	1,908
13	Haripur	25,810	8,603	2,868
14	Karak	15,241	5,080	1,693
15	Khyber	3,603	1,201	401
16	Kohat	4,972	1,658	553
17	Kohistan (Upper)	20,266	6,755	2,251
18	Kohistan lower	9,867	3,290	1,097
19	Kohistan Pattan	6,755	2,251	750
20	Kurram	3,234	1,078	360
21	Lakki Marwat	4,863	1,621	540
22	Malakand	28,821	9,607	3,202
23	Mansehra	3,623	1,208	403
24	Mardan	54,055	18,019	6,007
25	Mohmand	6,905	2,302	768
26	North Waziristan	750	251	84
27	Nowshera	55,579	18,526	6,175
28	Orakzai	2,251	750	251
29	Peshawar	128,808	42,936	14,312
30	Shangla	15,974	5,325	1,775
31	South Waziristan	15,311	5,103	1,700
32	Swabi	35,276	11,758	3,920
33	Swat	152,391	50,797	16,932
34	Tank	6,755	2,251	750
35	Torghar	3,490	1,163	388
Total		955,284	318,430	106,146

3.1.7 PLANNING BASE FOR MONSOON CONTINGENCY PLAN 2022 - LOW IMPACT SCENARIO

A. LOW IMPACT SCENARIO

The Plan is based on perception-based risk assessment and scoring supported by the event wise damages and losses, number of populations affected and lesson learnt from past three year's monsoon seasons. Out of the three impact scenarios, this year low impact scenario has been taken into consideration based on the monsoon season outlook 2022 by Pakistan Metrological Department. Low impact scenario has been worked out as 1/3 of the medium scenario and 1/9 of the high impact (worst case as of 2010 flood) scenario. The caseload is based on the assumption/prediction of the Pakistan Met Department as it predicts the forthcoming monsoon as slightly above normal. Based on the lesson learnt from previous monsoon seasons the assumed scenario is set as Low Impact Scenario.

B. ANALYSIS OF THE LAST 5 YEARS MONSOON SEASONS

The analysis of the monsoon forecasts and resultant damages/losses, as shown in the table reveals that the damages and losses occurred are within the case load defined for low impact scenario. The forecasts of previous 5 years monsoon was from below normal to 20% above normal. Foregoing in view, it is assumed that the upcoming monsoon will be of low impact based on forecast of PMD that is slightly above normal.

Monsoon Forecast Vs Damages and Lossess					
Year	PMD Forecast	Losses and Damages (June to September)			
		Deaths	Injuries	Livestock Losses	House Damages (Fully & Partially)
2017	<ul style="list-style-type: none"> Monsoon rains will remain normal initially, and a little below normal during the season over north Pakistan. However, few weather systems with erratic behavior cannot be ruled out during the season". 	60	76	—	493
2018	<ul style="list-style-type: none"> In northern Pakistan, rainfall is expected to remain "normal to slightly above normal of long-term average" during first half of the season, and below normal during second half. The prevailing temperatures trend in Pakistan indicates high probability of few "Extreme rainfall events" in Punjab, and "GLOF events" in Gilgit-Baltistan and Chitral 	46	58	—	393
2019	<ul style="list-style-type: none"> Parts of KP, Kashmir and GB would have above normal (20%) monsoonal phenomena, rest of Pakistan would have below normal At end of July and August western disturbance system may cause fair chances of flash flood in Chitral, Dir, Upper Swat, Kohistan and Mansehra 	85	95	120	446
2020	<ul style="list-style-type: none"> Monsoon rainfall is expected to be slightly above normal (+10%) during July to September 2020 in Pakistan. 	180	146	227	937
2021	<ul style="list-style-type: none"> Monsoon rainfall is expected to remain near normal during July to September 2021 in Pakistan Due to some heavy rainfall events Flash/ urban flooding in hill torrents areas and plain areas of major cities of Sindh, Punjab, AJK and KP is expected during the season. 	108	148	41	476

The projected households that may be affected, their food and nonfood items requirement and consequent financial impact has been worked out. The NFIs packages have been calculated based on the assumption that 1/3 of the affected population may shift to camps. NFIs food packages calculated on house hold as per standard set by the NDMA (Annex-V).

A. ESTIMATED RELIEF ITEMS FOR LOW IMPACT SCENARIO 2022

Estimated Humanitarian Response (Relief Items) for Low Impact Scenario 2022									
S.#	District	Affected Household (HH)	Case Load	Tents	Plastic Sheets	Blankets	Hygiene Kits	Kitchen Set	Tarpaulin
1	Abbottabad	417	139	139	139	278	139	139	139
2	Bajaur	501	167	167	167	334	167	167	167
3	Bannu	907	302	302	302	604	302	302	302
4	Battagram	2,322	774	774	774	1,548	774	774	774
5	Buner	1,516	505	505	505	1,011	505	505	505
6	Charsadda	9,992	3,331	3,331	3,331	6,661	3,331	3,331	3,331
7	Chitral (lower)	2,059	686	686	686	1,373	686	686	686
8	Chitral (upper)	2,143	714	714	714	1,429	714	714	714
9	D.I Khan	1,721	574	574	574	1,147	574	574	574
10	Dir Lower	526	175	175	175	351	175	175	175
11	Dir Upper	14,952	4,984	4,984	4,984	9,968	4,984	4,984	4,984
12	Hangu	1,908	636	636	636	1,272	636	636	636
13	Haripur	2,868	956	956	956	1,912	956	956	956
14	Karak	1,693	564	564	564	1,129	564	564	564
15	Khyber	401	134	134	134	267	134	134	134
16	Kohat	553	184	184	184	369	184	184	184
17	Kohistan (Upper)	2,251	750	750	750	1,501	750	750	750
18	Kohistan lower	1,097	366	366	366	731	366	366	366
19	Kohistan Pattan	750	250	250	250	500	250	250	250
20	Kurram	360	120	120	120	240	120	120	120
21	Lakki Marwat	540	180	180	180	360	180	180	180
22	Malakand	3,202	1,067	1,067	1,067	2,135	1,067	1,067	1,067
23	Mansehra	403	134	134	134	269	134	134	134
24	Mardan	6,007	2,002	2,002	2,002	4,004	2,002	2,002	2,002
25	Mohmand	768	256	256	256	512	256	256	256
26	North Waziristan	84	28	28	28	56	28	28	28
27	Nowshera	6,175	2,058	2,058	2,058	4,117	2,058	2,058	2,058
28	Orakzai	251	84	84	84	167	84	84	84
29	Peshawar	14,312	4,771	4,771	4,771	9,541	4,771	4,771	4,771
30	Shangla	1,775	592	592	592	1,184	592	592	592
31	South Waziristan	1,700	567	567	567	1,134	567	567	567
32	Swabi	3,920	1,307	1,307	1,307	2,613	1,307	1,307	1,307
33	Swat	16,932	5,644	5,644	5,644	11,288	5,644	5,644	5,644
34	Tank	750	250	250	250	500	250	250	250
35	Torghar	388	129	129	129	258	129	129	129
	Total	106,146	35,382	35,382	35,382	70,764	35,382	35,382	35,382

A. ITEMIZED COST FOR ESTIMATED HUMANITARIAN RESPONSE FOR LOW IMPACT SCENARIO 2022

Itemized Cost for Estimated Humanitarian Response for Low Impact Scenario 2022

S.#	District	Affected Household (HH)	Case Load	Tents	Plastic Sheets	Blankets	Hygiene Kits	Kitchen Set	Tarpaulin	Sub Total NFIs	Food Package	Grand Total
1	Abbottabad	417	139	3,338,944	250,421	556,491	542,578	973,859	528,666	6,190,959	1,669,472	7,860,431
2	Bajaur	501	167	4,005,088	300,382	667,515	650,827	1,168,151	634,139	7,426,102	2,002,544	9,428,646
3	Bannu	907	302	7,253,568	544,018	1,208,928	1,178,705	2,115,624	1,148,482	13,449,325	3,626,784	17,076,109
4	Battagram	2,322	774	18,578,016	1,393,351	3,096,336	3,018,928	5,418,588	2,941,519	34,446,738	9,289,008	43,735,746
5	Buner	1,516	505	12,130,400	909,780	2,021,733	1,971,190	3,538,033	1,920,647	22,491,783	6,065,200	28,556,983
6	Charsadda	9,992	3,331	79,937,280	5,995,296	13,322,880	12,989,808	23,315,040	12,656,736	148,217,040	39,968,640	188,185,680
7	Chitral (lower)	2,059	686	16,472,672	1,235,450	2,745,445	2,676,809	4,804,529	2,608,173	30,543,078	8,236,336	38,779,414
8	Chitral (upper)	2,143	714	17,147,040	1,286,028	2,857,840	2,786,394	5,001,220	2,714,948	31,793,470	8,573,520	40,366,990
9	D.I Khan	1,721	574	13,766,976	1,032,523	2,294,496	2,237,134	4,015,368	2,179,771	25,526,268	6,883,488	32,409,756
10	Dir Lower	526	175	4,210,688	315,802	701,781	684,237	1,228,117	666,692	7,807,317	2,105,344	9,912,661
11	Dir Upper	14,952	4,984	119,618,080	8,971,356	19,936,347	19,437,938	34,888,607	18,939,529	221,791,857	59,809,040	281,600,897
12	Hangu	1,908	636	15,263,744	1,144,781	2,543,957	2,480,358	4,451,925	2,416,759	28,301,524	7,631,872	35,933,396
13	Haripur	2,868	956	22,944,960	1,720,872	3,824,160	3,728,556	6,692,280	3,632,952	42,543,780	11,472,480	54,016,260
14	Karak	1,693	564	13,544,928	1,015,870	2,257,488	2,201,051	3,950,604	2,144,614	25,114,555	6,772,464	31,887,019
15	Khyber	401	134	3,207,360	240,552	534,560	521,196	935,480	507,832	5,946,980	1,603,680	7,550,660
16	Kohat	553	184	4,424,512	331,838	737,419	718,983	1,290,483	700,548	8,203,783	2,212,256	10,416,039
17	Kohistan (Upper)	2,251	750	18,010,560	1,350,792	3,001,760	2,926,716	5,253,080	2,851,672	33,394,580	9,005,280	42,399,860
18	Kohistan lower	1,097	366	8,775,008	658,126	1,462,501	1,425,939	2,559,377	1,389,376	16,270,327	4,387,504	20,657,831
19	Kohistan Pattan	750	250	6,003,520	450,264	1,000,587	975,572	1,751,027	950,557	11,131,527	3,001,760	14,133,287
20	Kurram	360	120	2,878,400	215,880	479,733	467,740	839,533	455,747	5,337,033	1,439,200	6,776,233
21	Lakki Marwat	540	180	4,317,600	323,820	719,600	701,610	1,259,300	683,620	8,005,550	2,158,800	10,164,350
22	Malakand	3,202	1,067	25,617,760	1,921,332	4,269,627	4,162,886	7,471,847	4,056,145	47,499,597	12,808,880	60,308,477
23	Mansehra	403	134	3,223,808	241,786	537,301	523,869	940,277	510,436	5,977,477	1,611,904	7,589,381
24	Mardan	6,007	2,002	48,052,832	3,603,962	8,008,805	7,808,585	14,015,409	7,608,365	89,097,958	24,026,416	113,124,374
25	Mohmand	768	256	6,143,328	460,750	1,023,888	998,291	1,791,804	972,694	11,390,755	3,071,664	14,462,419
26	North Waziristan	84	28	674,368	50,578	112,395	109,585	196,691	106,775	1,250,392	337,184	1,587,576
27	Nowshera	6,175	2,058	49,401,568	3,705,118	8,233,595	8,027,755	14,408,791	7,821,915	91,598,742	24,700,784	116,299,526
28	Orakzai	251	84	2,006,656	150,499	334,443	326,082	585,275	317,721	3,720,676	1,003,328	4,724,004
29	Peshawar	14,312	4,771	114,494,528	8,587,090	19,082,421	18,605,361	33,394,237	18,128,300	212,291,937	57,247,264	269,539,201
30	Shangla	1,775	592	14,202,848	1,065,214	2,367,141	2,307,963	4,142,497	2,248,784	26,334,447	7,101,424	33,435,871
31	South Waziristan	1,700	567	13,602,496	1,020,187	2,267,083	2,210,406	3,967,395	2,153,729	25,221,296	6,801,248	32,022,544
32	Swabi	3,920	1,307	31,358,112	2,351,858	5,226,352	5,095,693	9,146,116	4,965,034	58,143,165	15,679,056	73,822,221
33	Swat	16,932	5,644	135,457,504	10,159,313	22,576,251	22,011,844	39,508,439	21,447,438	251,160,789	67,728,752	318,889,541
34	Tank	750	250	6,003,520	450,264	1,000,587	975,572	1,751,027	950,557	11,131,527	3,001,760	14,133,287
35	Torghar	388	129	3,100,448	232,534	516,741	503,823	904,297	490,904	5,748,747	1,550,224	7,298,971
Total	106,146	35,382	849,169,120	63,687,684	141,528,187	137,989,982	134,451,777	247,674,327	134,451,777	1,574,501,081	424,584,560	1,999,085,641

A. FUNDS REQUIREMENT FOR IN-CAMP/ EVACUATION CENTERS POPULATION

It is assumed that 2/3 of the affected population will move to host community while 1/3 will be shifted to evacuation centers. The below assumption is made on the basis that relief package of NFIs and FIs as per minimums standard will be provided to the affected household.

PRESUMED SCENARIO	NON-FOOD ITEMS & FOOD ITEMS (IN MILLION)	CONTINGENT FUND (IN MILLION) 15%	TOTAL (IN MILLION)
High Impact Scenario	Rs. 17,992	Rs. 2699	Rs. 20691
Medium Impact Scenario	Rs. 5,997	Rs. 900	Rs. 6897
Low Impact Scenario	Rs. 1,999	Rs. 300	Rs. 2299

3.1.8 IDENTIFIED CAMP SITES

The Camp Management Unit PDMA has already identified pre-disaster camp sites in all districts of the province wherein, the affected population will be moved in case of evacuation. List of identified camp sites is at Annex-VI.

3.1.9 HUMANITARIAN RESPONSE FACILITY (HRF) STOCK POSITION

To enhance the emergency and disaster response capacity of the government and the humanitarian community, PDMA with collaboration of United Nation World Food Programme developed a centralized Humanitarian Response Facility (HRF) at Jalojai. This centralized HRF currently serves as logistic base for the whole Province of KP in case of any disaster having warehousing capacity of 4000 MT for general storage item, and 400 for climate controlled sensitive items.

STOCK POSITION AT HRF (As of 1-06-2022)					
S.NO	ITEMS/DESCRIPTION	QUANTITY	S.NO	ITEMS/DESCRIPTION	QUANTITY
1	Family Size Tents	6,590	18	Water Purification Plant	3
2	Small Tents	940	19	Pillows	1,864
3	Tarpaulin Sheet	4,688	20	Plastic Sheet	2,634
4	Hygiene Kits	7,000	21	Mosquito Nets	8,325
5	Blankets	9,488	22	Ropes	6,325
6	Mattress	5,524	23	Folding Bed	133
7	Sponge Mattress	900	24	Gas Cylinder	772
8	Plastic Mats	3,820	25	Jerry Canes	6,700
9	Quilts	9,842	26	Oil Burner / Stove	437
10	Kitchen Sets	3,938	27	Prayer Mats	461
11	Search Lights	148	28	Plastic Lota	695
12	Life Saving Jackets	34	29	First Aid Box	22
13	Pedestal Fans	200	30	Sleeping Bags	105
14	Generator	127	31	Sand Bags Empty	19,400
15	Wheel Chairs	22	32	Towel	330
16	Stretcher	30	33	Buckets	1,855
17	Dewatering Pump	74	34	Water Bags/Water Packs	1,397

3.1.1.10 AVAILABLE RELIEF STOCK OF DISTRICTS

PDMA has completed procurement of NFIs and dispatched relief items to all districts based on vulnerability and demand of the respective districts.

DETAILS OF PDMA NFIs AVAILABLE WITH DISTRICTS ADMINISTRATION												
S. NO	DISTRICT	TENTS	BLANKETS	PLASTIC MATS	MATTRESS	QUILTS	HYGIENE KITS	KITCHEN SETS	TARPAULIN SHEET	MOSQUITO NETS	SEARCH LIGHTS	DE-WATERING PUMP
1	ABBOTTABAD	139	350	0	66	300	74	31	183	200	12	
2	BUNER	113	40	0	0	166	189	158	0	100	45	3
3	BANNU	135	650		114	650	200	86	68	200	25	2
4	BATTAGRAM	75	200	90	82	200	115	110	65	100		
5	BAJAUR	4	48	0	0	26	40	0	2	390	2	
6	CHITRAL UPPER	360	128	283	30	152	100	341	230	200	80	
7	CHITRAL LOWER	300	1800	721		1380	260	260	180	140		
8	CHARSADDA	822	24	95			205	100	438	400	60	
9	DIR UPPER	116	520	83	24	311	11	66	315	150	110	0
10	DIR LOWER	432		184	0	318	0	241		215	0	0
11	DI KHAN	435	947	50	474		565	414	300	2060	60	0
12	HARIPUR	323	192	231	70	370		149		34		
13	HANGU	356	2043	136	37	341	2	71		200	0	2
14	KOHAT	133	326		55	150		58		240	15	
15	KARAK	168	36	50	20	0		35	0		19	
16	KOHISTAN LOWER	250	500	460	197	923	160	369	289	787	48	
17	KOHISTAN UPPER	214	70	326	68	374	239	100	124	147	44	
18	KHYBER	10	0	60	15	40	0	16	0	40	0	0
19	KOLAI PALAS	0	120	49	70	186	45	33	0	186	0	
20	KURRAM	45	180	186			27	89	52	410	8	
21	LAKKI MARWAT	310	270	410		350		280		300		5
22	MANSEHRA	50	98		4	62		4		0	10	
23	MARDAN	101	30	150	82			140	197			4
24	MOHMAND	27	13	0	40	0	0	0				
25	MALAKAND	115	200	100	115	100	83	70	100	100		
26	NOWSHERA	98	97		80			77				
27	NORTH WAZIRISTAN	127	75		125	168		156		440	35	
28	ORAKZAI	200	300	200	300	300		300		500	25	2
29	PESHAWAR											
30	SWAT	400		300	400	500	200	250	350	400		
31	SWABI	180	70	70		90	40				40	2
32	SHANGLA	494	589	673	512	1445		410		702		
33	SOUTH WAZIRISTAN	292	395	0	395	495	395	395	492	0	0	0
34	TANK	140	90	190	88			180	70	250		
35	TORGHAR	4	0	0	0	0	2950	0	0	0	3	0
	TOTAL	6968	10401	5097	3463	9397	4989	4989	3455	8691	641	20

3.1.11 PUBLIC MACHINERY AVAILABLE IN THE DISTRICTS

S.No	Name of District	Carrier	Dozers	Tractors	Blade Tractor	Tractor Trolley	Trucks	Trolleys Mini tractor	Fire Brigade trolley	Ambulances	Rescue Vehicle	Water Bowzer	Dumpers	Recovery vehicle	Excavator	Tractor/ Trolleys	Life Jackets	Generator	Road Roller China	Blade Tractor	Wheel Loader	Shovel Machine	Water Tanker	Suzuki Pickup	De-Watering Pumps	Shovel Tractor	
1	Abbottabad	0	2	20	0	0	12	12	8	20	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bajaur	2	2	10	4	2	0	4	2	1	1	0	0	0	2	0	100	1	2	2	4	2	6	1	0	0	
3	Bannu	1	1	11	1	0	1	2	6	2	4	0	0	0	2	0	0	2	1	1	1	0	0	0	2	0	
4	Battagram	0	1	7	0	0	0	0	5	10	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	
5	Buner	0	1	6	4	1	0	2	13	1	1	1	1	1	0	0	24	3	0	4	0	0	6	0	8	0	
6	Charsadda	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	
7	Chitral Lower	10	2	5	0	0	0	0	6	6	1	0	2	1	0	0	70	0	0	6	2	0	6	6	0	0	
8	DI Khan	0	7	34	0	0	0	16	4	23	1	0	0	0	9	0	100	5	0	0	0	0	8	0	6	0	
9	Hangu	0	0	0	0	4	0	0	3	0	1	0	0	0	0	0	35	1	0	0	0	0	0	0	2	0	
10	Haripur	0	1	0	4	12	0	0	3	9	1	0	0	0	3	0	0	0	0	4	0	0	0	10	1	0	
11	Karak	10	2	10	10	10	4	5	20	0	0	0	10	0	10	0	0	0	7	10	5	5	0	15	0	0	
12	Khyber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	Kohat	0	1	4	0	0	0	4	17	0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	3	0	
14	Kohistan Lower	0	0	0	1	0	0	0	2	2	0	0	0	0	1	0	50	5	0	1	0	1	0	0	0	0	
15	Kohistan Upper	0	0	0	0	0	0	0	3	3	1	0	0	0	0	0	6	0	0	0	0	0	0	0	1	0	
16	Kolai Palas	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	45	2	0	0	0	1	0	1	0	0	
17	Kurram	0	0	7	0	0	3	3	2	6	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	
18	Lakki Marwat	23	5	6	0	0	0	5	7	12	0	0	1	0	0	0	0	4	0	0	0	0	0	0	5	0	
19	Lower Dir	0	2	4	2	0	1	4	7	8	1	0	1	0	0	0	5	0	0	2	0	0	2	2	0	0	
20	Malakand	0	0	0	5	10	0	0	8	16	1	0	0	1	0	0	8	1	2	0	0	0	0	0	0	0	
21	Mansehra	4	4	18	5	0	0	9	5	0	0	0	2	0	5	0	7	0	0	0	0	0	0	0	1	0	
22	Mardan	0	0	2	2	1	0	1	13	32	5	0	0	0	0	0	50	0	0	2	0	0	1	3	0	11	
23	Mohmand	0	0	4	1	1	0	1	5	11	1	0	6	0	0	0	0	0	0	1	1	0	0	0	0	0	

3.1.12 AVAILABLE OPERATIONAL VEHICLES WITH RESCUE-1122 IN THE DISTRICTS

No.	Vehicle	Mardan	Swabi	Bannu	Lakki Marwat	North Waziristan	D.I.Khan	South Waziristan	Tank	Kohat	Hangu	Karak	Kurram	Orakzai	Peshawar	Charsadda	Khyber
1	Ambulance	19	7	6	5	2	9	2	4	7	4	4	3	2	30	5	4
2	Fire Vehicle	10	3	2	2	1	3	1	2	4	2	2	2	1	14	2	2
3	Water Bowzer	2	1		1	1	1	1		1	1	1		1	3	1	1
4	Recovery Vehicle	1					1			1		1			2	1	1
5	Rescue Vehicle	4	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1
6	Water Rescue Van	1	1	1			1								1	1	
7	Excavator	1													1		1
8	Mini Fire Truck						1										
11	Heavy De-Watering Pump	4	2	1			2		2			2	1		2		2
12	Crane																
13	Tractor					1							1	1			
14	Snow Blower																
15	Masting Tower	1	1				1			1		1			1	1	1
16	Fire Bikes						1								3		
	Total Vehicles	44	16	11	8	6	21	5	7	17	8	12	8	6	65	14	11
	Total Stations	8	3	3	3	1	5	1	2	5	2	2	2	1	14	2	2
	Total Staff	582	250	203	140	66	205	63	100	181	120	173	76	78	789	245	189

S. No.	Vehicle	Mohmand	Nowshera	Abbottabad	Batagram	Haripur	Kohistan Lower	Kohistan Upper	Mansehra	Malakand	Bajaur	Buner	Chitral Lower	Chitral Upper	Dir Lower	Dir Upper	Shangla	Swat	Total	
1	Ambulance	4	8	6	2	4	2	2	3	3	4	3	5	3	3	4	4	4	16	189
2	Fire Vehicle	2	3	4	1	3	1	1	1	2	2	1	2		1	2	2	2	8	89
3	Water Bowzer	1	2	1	1	1	1	1	1	1	1	1	1	1	1		1	2	2	33
4	Recovery Vehicle	1	1	2					1	1	1	1	1					1	1	16
5	Rescue Vehicle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	38
6	Water Rescue Van	2				1		1	1	1	1	1	1	1	1	1	1	2	2	16
7	Excavator										1	1	1					1	6	6
8	Mini Fire Truck	1	1	1								2	2	1				1	7	7
11	Heavy De-Watering Pump	3	3	3	2	2					2	1	1					2	31	31
12	Crane																	1	1	1
13	Tractor			1			1	1	1			1	1				1	2	10	10
14	Snow Blower							1										1	2	2
15	Masting Tower	1	1	1				1	1	1	1	1	1		1	1	1	1	19	19
16	Fire Bikes																		4	4
	Total Vehicles	10	22	20	5	12	6	5	10	9	14	6	17	6	8	8	11	39	467	
	Total Stations	2	6	6	1	2	1	1	1	2	2	1	2	1	1	2	2	8	97	
	Total Staff	155	307	164	59	116	118	67	117	231	175	96	144	25	110	125	134	377	5980	

3.1.13 PROVISION OF BOATS AND RESCUE EQUIPMENT TO PAKISTAN ARMY

Strengthening of sister organization is essential part of preparedness and subsequent effective response to any disaster. PDMA provided 50 Out-Board Motor -OBM Boats and 6x fiber glass boats in the year 2017 and 24x fiber glass boats with 40 HP OBMs in the year 2020 to Pak-Army (Engineering Dept.) for further placement in flood prone areas. The boats were specially designed to move through flooded areas with the maximum capacity of carrying 18 individuals. The high-power latest technology OBM's enabled boats to operate without any hindrances especially in shallow and muddy water. PDMA had procured the accessories for water search and rescue including life jackets, life rings, boat peddles, boat ailers, buoys and boat hooks and handed over to Pakistan Army in 2021.

3.1.14 PROVISION OF RESCUE EQUIPMENT TO CIVIL DEFENSE

In order to elevate the level of preparedness and bring synergies in efforts for improved and effective response to Monsoon season, PDMA has strengthened Civil Defense by providing the following necessary rescue equipment during the past three years.

Pick Axes	666	Life jackets	555
Hand Shovels	694	Hand Carts	28
Gloves (leather)	1275	Saws	33
Fire buckets	630	First Aid Box	47
Helmet	1275	Folding Stretcher	4
Electric search light	630	Torch with solar	50
Manila rope	255	Blankets	20
Rubber tube	630	Hygiene kits	196

The district wise details of available diver's team in Khyber Pakhtunkhwa are at Annexure VIII

3.1.15 FUND POSITION OF THE DISTRICTS

Provincial Disaster Management Authority has placed requisite funds at the disposal of all Deputy Commissioners for quick payment of compensation in case of any untoward emergency during the monsoon season. On the other hand, different line departments provide funds for clearance of roads and communication channels in case of disaster.

S.NO	DISTRICT NAME	AVAILABLE BALANCE (RS)
1	Dir Upper	10.858234
2	DC Kohistan Upper, Dassu	29.539891
3	DI Khan	19.958994
4	Kurram	11.48196
5	Lakki Marwat	1.734162
6	Chitral Upper	13.864182
7	Karak	0.6632
8	Shangla	4.024619
9	Chitral Lower	28.618515
10	Swabi	4.066
11	Hangu	14.360404
12	Bajaur	7.914824
13	Battagram	2.638
14	Malakand	13.223707
15	Buner	6.943043
16	Haripur	12.23038
17	Tank	19.405265
18	Kolai Palas	31.695759
19	Torghar	5.302909
20	Manshera	1.375326
21	Swat	26.996147
22	Kohistan Lower	26.478184
23	Bannu	15
24	Nowshera	0.125
25	Khyber	5
26	Kohat	0.32
27	Dir lower	12.470259
28	Abbottabad	28.835977
29	Peshawar	2.55
30	Mardan	9.283
31	North Waziristan	1.582
32	Charsadda	2.975678
33	Orakzai	11.179508
34	Mohamand	5
35	South Waziristan	5

3.2 STRATEGY FOR THE MONSOON 2022

3.2.1 MONSOON EMERGENCIES

To better manage any undesirable event during the upcoming monsoon, the following categorization of monsoon emergencies will be vital for better coordination, response, relief and rehabilitation.

- Level 1 Emergency Situation: Manageable by District Administration.
- Level 2 Emergency Situation: Affecting multiple districts but still manageable at provincial level.
- Level 3 Emergency Situation: National Level emergency situation.

3.2.2 HANDLING OF DIFFERENT EMERGENCIES

Areas	Level 1	Level 2	Level 3
Alert and Notification issuance/activation of control Rooms	District Administration / DDMU	PDMA PEOC round the clock	NDMA NCOC round the clock
Telecommunication systems maintenance	District Administration / DDMU	PDMA and NTC	NDMA
Evacuation	District Administration / DDMU	PDMA / Rescue 1122 / LGandRDD	NDMA / Pak Army
Transport	District Administration / DDMU	PDMA / LG&RDD/Transport Department	NDMA
Search and Rescue	District Administration / Resc 1122	Rescue 1122 / Pakistan Army	Pak Army
Emergency Relief	District Administration / DDMU	PDMA	NDMA
Recovery	District Administration / DDMU	PDMA	NDMA
Debris Removal/De watering	District Administration / DDMU	LG&RDD / C&W / Irrigation Deptt	NDMA NHA
Security	Distr admin/ Police/LEAs	Police / LEAs	Pakistan Army / LEAs
Damage Assessment	District Administration / DDMU	PDMA	NDMA
Health	District Administration / DDMU	Health Department	NDMA Ministry of Health

A. LEVEL 1 EMERGENCY

In case of Level 1 Emergency Situation the District Administration will be responsible to carry out initial Multi Sector Damage Assessment for identifying scale of a disaster, priority areas, relief and gaps in response and will share immediately with PDMA control room PEOC through email, fax and WhatsApp group.

The District Administration will also share the Recovery Needs Assessment report with PDMA for identifying and estimating detailed cost of recovery in various sectors for initiation of recovery work in affected communities, similarly, District Administration will be solely responsible for search and rescue operations in coordination with relevant stakeholders. District Administration will take lead role in removal of debris and provision of first aid health facility if required. Similarly, the District Administration will be responsible to keep updated all relevant stakeholders including general public regarding any significant monsoon event by utilizing all means of information and communications for dissemination of timely and accurate information depending on the severity of situation, the reports may be shared on hourly, 3-6 hourly basis.

B. LEVEL 2 EMERGENCY

PDMA will be responsible to coordinate initial Multi Sector Damage Assessment with concerned district administrations for identifying scale of a disaster, priority areas, relief and gaps in response and will shared with Provincial government and NDMA. PDMA will similarly share Recovery Needs Assessment report with Provincial government and NDMA for identifying and estimating detailed cost of recovery in various sectors for initiation of recovery work in affected communities. PDMA will coordinate with district administration and other line departments for carrying out all necessary work regarding debris removal, provision of health facilities, evacuation, transport, security and maintenance of telecommunication systems. Similarly, the Khyber Pakhtunkhwa Provincial Disaster Management Authority with the help of information department will disseminate all updates to all stakeholders including Provincial government, NDMA and general public by utilizing all available means.

C. LEVEL 3 EMERGENCY

NDMA, PDMA and district administration will coordinate for all the matters related to emergency management in case of level 3 emergency. to all districts based on vulnerability and demand of the respective district.

3.3 SPECIFIC ACTIONS AND ADVISORIES FOR MONSOON 2022

Based on the lesson learnt from past few years monsoon and consultations held with stakeholders, PDMA Khyber Pakhtunkhwa initiated various measures for prevention, mitigation and better response for upcoming monsoon 2022. Some of the initiatives/advisories are highlighted as under;

- District working group under the chairmanship of respective Deputy Commissioner and comprising representatives of various departments at district level and Provincial Core Committee under the chairmanship of secretary Relief, Rehabilitation and Settlement Department having representatives of various provincial departments have been constituted to undertake all measures for prevention and mitigation of floods in Khyber Pakhtunkhwa (Annex-VII).
- Local government department has been advised to carryout survey of bill boards and remove / replace those which are in dilapidated conditions and may pose threat in case of high-speed winds.
- PESCO has been advised wire, ensure repair and maintenance of electricity wires / towers, cutting of trees reaching the high transmission wires and fixation of hanging wires in crowded streets / localities) to avoid any untoward event during monsoon season.
- Local government department has been advised to chalk out vulnerable placed/population in major urban cities prone to urban floods and take all necessary measures for minimizing the impacts of urban floods, prepositioning of required equipments and resources, clearing of chowked drainage/sewaerage channels and removal of wast from the site (Annex-VIII).
- Irrigation department has been advised for timely construction and repair of flood protection structures, placement of funds/resources in all districts based on vulnerability assessment and adoption of easy M&R process for immediate reponse in case of any untoward event (Annex-IX).
- C&W department has been advised to carry out vulnerability assessment of communication channels and ensure adoption of easy M&R processes and availability of resources (Annex-X).
- Tourism department has been advised to monitor the tourist spots and launch awareness compaign for tourists besides identifying safe evacuation routes for tourist (Annex-XI).
- Real time monitoring of of major rivers through telemetry gauges installed at 07 points on major rivers of the province.



CHAPTER 4

PROFILES AND CONTINGENCY PLANS OF DISTRICTS



4.1 PROFILES AND CONTINGENCY PLANS OF DISTRICTS

4.1.1 BANNU DIVISION

1. BANNU

District Name	Bannu
Total Area	1227 Sq. KMS
Total Population	1167892
Sub Division	02
No. of Village Councils	49
Neighboring Districts	Lakki Marwat, North Waziristan & Karak
Weather/Climate	Predominantly Hot Weather
Major Rivers/Nulla's/ Khwarh River	River Kurum, River Tochi, Nullah Kashu & Nullah Dowah
Vulnerable UC / VC	Ghoriwala, Baka Khel, Kakki, Miryan,
Vulnerable Population	368,109

Available Relief Items Delete

Item	Quantity	Item	Quantity	Item	Quantity
Tents	35	Mattress	100	Quilts	350
Plastic Mats	350	Bed Sheets	100	Water Cooler	100
Hygiene Kits	200	Pillows	200	Kitchen Sets	80
Blankets	250	Iron Bed	200	Soaps / Dettol	800

Available Relief Fund: Rs. 15,000,000/-

2. LAKKI MARWAT

District Name	Lakki Marwat
Total Area	3409 Sq Km
Total Population	902540 (Census 2017)
Sub Division	Sub Division Lakki Marwat ,Tehsil Sarai Naurang , Ghazni Khel, Sub Division Bhattani , Sub Tehsil Tajori
No. of Village Councils	21
Neighboring Districts	Karak, Dera Ismail Khan , Mianwali , Tank, Bannu
Weather/Climate	The region has all the characteristics of a desert due to its sand dunes , scorching heat and dry weather . Summers are Hot while winters are moderately cool . The Summer Season begins from early April and continues till late October.
Major Rivers/Nulla's/ Khwarh River	River Gambila, River Kurram.
Vulnerable UC / VC	Sarkati Machan Khel, Atshi Machn Khel, Wanda Fateh Khan Junubi, Kechi Kamar, Ghazni Khel,
Vulnerable Population	32,400

Available Relief Items

Item	Quantity	Item	Quantity
Tents	310	Mattress	180
Plastic Mats	410	Bed Sheets	180
Blankets	270	Pillows	70
Quilts	350	Iron Bed	180
Kitchen Sets	280	Bucket	40
Water Cooler	150	Rain Suit	120

Available Relief Fund: Rs. 1,734,162/-

3. NORTH WAZIRISTAN

District Name	North Waziristan
Total Area	4707
Total Population	540546
Sub Division	Mirali, Miranshah and Razmak
No. of Village Councils	3
Neighboring Districts	South Waziristan, Bannu and Kurram
Weather/Climate	Hot humid climate with Hot summer and mild winter
Major Rivers/Nulla's/ Khwarh River	Tochi, Kaithu
Vulnerable UC / VC	Spulga, Hamzoni, Tappi, Darpa Khel, Boya, Miranshah, Haider Khel, Hassu Khel, Daulat Khel, Kaithu, Shamiri, Abba Khel, Dossali, Shera Algad
Vulnerable Population	543,254

Available Relief Items

Item	Quantity	Item	Quantity
Tents	127	Water Cooler/Jerry Cans	127
Blankets	75	Iron Bed	188
Kitchen Set	156	Mosquito Net	440
Bed Sheet	193	Soap	800
Quilts	168	Mattresses/Dharis	125
Pillow	154	Search light	35

Available Relief Fund: Rs. 1,582,000/-

4.1.2 DI KHAN DIVISION

1. D.I. KHAN

District Name	D.I.Khan
Total Area	7,326 sq/km
Total Population	1.6 million
Sub Division	6
No. of Village Councils	11
Neighboring Districts	Tank, Lakki Marwat, Bhakar, Mianwali
Weather/Climate	Hot Dry Arid Zone
Major Rivers/Nulla's/ Khwarh River	River Indus, Chashma Right Bank Canal
Vulnerable UC / VC	VC Raghasar, Ashplai (Raghasar), Marhail, Khoi Bahara, Domand Area, Sheikh Mela, Madina Colony, Parao
Vulnerable Population	1,363,973

Available Relief Items

Item	Quantity	Item	Quantity
Net Mosquito	2060	Buckets	130
Utensils/Kitchen sets	416	Detergents	500
Water Cooler/Jerry Cans	161	Generator	5
Quits/Blankets	947	Tarpaulin	300
Plastic Sheets/Tarpaulin	446	Tents	473
Mats Plastic various size	50	Jerry can	195
Mattresses / Dharis	514	First Aid Box	15
Pillow	962	Blankets	494
Bed Sheet	1000	Search light	100
Life Jacket	100	Iron Bed	1277
Hygiene Kit	565	Spray pumps	2

Available Relief Fund: Rs. 19,958,994/-

1. TANK

District Name	Tank
Total Area	1679Sq.Km
Total Population	District Tank = 391885 and Tribal Sub Division Tank = 36389
Sub Division	01 Jandola Tribal Sub Division Tank
No. of Village Councils	3
Neighboring Districts	DI Khan , South Waziristan and Lakki Marwat
Weather/Climate	Extreme weather Conditions in Summer and Winter both
Vulnerable UC / VC	Wazirabad, TankCity -I, Tank City-II, Thatta, Pai, Mullazai, Ghorazai, Umer Adda, Dabbara, Boltan Abad, Gara Baloch. Warraspoon, Jattathar, Ama Khel, Gomal , Sarangzona, Uttar
Vulnerable Population	45,000

Available Relief Items

Item	Qty	Item	Qty
Tent	265	Mosquito Net	250
Kitchen Set	250	Hygiene Kit	216
Mattress	200	Tarpaulin Sheet	235
Quilts	137	Soap	1080
Plastic Mat	248		

Available Relief Fund: Rs. 19,405,265/-

3. SOUTH WAZIRISTAN

District Name	South Waziristan
Total Area	6619 Sq KMs
Total Population	6,79,185 (Census 2017)
Sub Division	03 Sub Divisions i.e. Ladha, Sarwakai and Wana
No. of Village Councils	8
Neighboring Districts	78
Weather/Climate	16
Major Rivers/Nulla's/ Khwarh River	Shahoor Algad, Bangesh Wala Algad, Baddar Algad, Halal Algad, Toorwam Algad, Dwatoi Algad, Nano Algad, Dana Algad, Wacha Khurra Algad, Wana Toi Algad, Khaisorah Algad, Tank Zam Algad, Makin Algad, Shaktoi Algad
Vulnerable UC / VC	VC Mishta Upper, VC Mishta Badar, VC Nano -II (Seplotoi) VC Khaisora VC Tiarza-I (Woucha) VC Badar VC Sholam VC Osspass No.1 (Gurgurai) VC Osspass No. II VC Maidan VC Tangi Budinzai VC Langer Khel VC Garrai (Patwela) VC Pir Ghar (Sarwek) VC Badar Chalweshtai VC Karama VC Sam-I VC Sam-II (Masap Mela) VC Kaniguram-I VC Kaniguram-II VC Dawatoi (Zawar Kalai) VC Dear Shawal VC Zadrana VC Shaga VC Shaktoi NC Angoor Adda NC Dhana (Raghzai) NC Azam warsak VC Musa Nikka VC Sara Khawara VC Dhana (Wucha) VC Manrra Khullah VC Kamazai VC Kalosha (Kare Khel) VC Nargosai VC Kazha Punga VC Zalai VC Mazak VC sanga VC Dand VC Shomal Khel (Khonia Khel) NC Shakkai (Nawal Kot) VC Makin -I (Lale Khel) VC Makin -II (Imar Khel, Nano Khel Zangi) VC Makin -III (Ashingi Touda China) VC Nawaz Kot (Woregha Tangi Qimat Khel) VC Spin Kamar -I (Abass Khel Spin Kamar) VC Spin Kamar-II (Spin Kamar Lala Khel) VC Ashkar Kot-I (Shamak Khel) VC Ashkar Kot-II (Bazai Band Khel) VC Ashkar Kot-III (Chalarai Shamak Khel)
Vulnerable Population	7,400

Available Relief Items

Item	Quantity	Item	Quantity
Tents	281	Water Cooler	350
Blankets	834	Mattress	509
Quilts	495	Pillows	1089
Kitchen Sets	433	Bucket	11

Available Relief Fund: Rs. 5 million/-

4.1.3 HAZARA DIVISION**1. ABBOTTABAD**

District Name	Abbottabad
Total Area	1967 sq km
Total Population	1.33 million
Sub Division	Abbottabad
No. of Village Councils	14
Neighboring Districts	Haripur & Mansehra
Weather/Climate	Humid subtropical
Major Rivers/Nulla's/ Kharwar River	River Haro/Daur
Vulnerable UC / VC	Bakot (Village Area), Moolia Bakot, Kahoo Sharqi & Kahoo Gharbi, Sherwan Village Area (Seri Sher Shah/ Chamhatti)
Vulnerable Population	306,000

Available Relief Items

Item	Quantity	Item	Quantity
Utensils/Kitchen sets	90	Bed Sheet	40
Quits/Blankets	400	Tarpaulin Sheets	400
Tents	180	Iron Bed	15
Mattresses/Dharis	130	Search light	16
Net Mosquito	200	Generator	4
Mats	200	Hygien Kit	150
Pillow	250	Water Cooler/Jerry Cans	80
Buckets	230		

Available Relief Fund: Rs. 28,835,977/-

1. BATTAGRAM

District Name	Battagram
Total Area	1301 (sqkm)
Total Population	478000 (2017 Census)
Sub Division	02
No. of Village Councils	17
Neighboring Districts	79
Weather/Climate	Snowfall December, January & February. Monsoon rains July, August & September. The period i.e April, May June, October & November always remain moderate.
Major Rivers / Nullahs/ Khwarh River	Indus river, Nandhiar Khwar
Vulnerable UC / VC	Shamlai, Hill, Battamori, Rajdahari, Tandol, Gangwal & Pashto, Rashang,
Vulnerable Population	142,117

Available Relief Items

Item	Quantity	Item	Quantity
Tents	75	Water Cooler	140
Plastic Mats	90	Mattress	82
Blankets	110	Iron Bed	44
Quilts	90	Hygiene Kits	115
Kitchen Sets	110	Soaps / Dettol	490

Available Relief Fund: Rs. 2,638,000/-

3. HARIPUR

District Name	Haripur
Total Area	1725 (Sq Km)
Total Population	1,003,031 (2017)
Sub Division	Haripur, Ghazi and Khanpur
No. of Village Councils	9
Neighboring Districts	Abbottabad, Mansehra, Swabi, Attock, Rawalpindi, and Torghar
Weather/Climate	Extreme weather condition in Summer and Winter both
Major Rivers/Nulla's/ Kharwarh River	Indus River Tarbela , Haro River Khanpur, Sarai Saleh Dour, Ali Khan Dour, Darwesh Soks, Shah Maqsood Dour, Kot Najib Ullah Soka, Gulo Bandi Soka, and Dehenda Soka
Vulnerable UC / VC	Nara Amazi, Besag, Bait Gali, Brug Khabal, Gali, Devi, Nara Amazai, Kalilar, Kupri, Purba, Village Kanger Chach, Kothapirkot, Rehana, Panian, Ali Khan, Chechian, Village Padahana, Kailg, Baralian, Village Amgah, Village Koka, Changi Bandi , Khanpur, Village Jabri/Jab
Vulnerable Populatiuon	171,946

Available Relief Items

Item	Quantity	Item	Quantity	Item	Quantity
Mattresses/Dharis	70	First Aid Box	1	Utensils / Kitchen sets	49
Plastic Sheets/Tarpaulin	231	Jerry can	311	Stoves/Gas cylinders	89
Quits/Blankets	562	Tents	323	Net Mosquito	34
Water Cooler /Jerry Cans	333	Pillow	78	Plastic Lota	135
Buckets	262	Kitchen Set	198	Bed Sheet	91
Iron Bed	45			PPE Kits	142

Available Relief Fund: Rs. 12,230,380/-

1. KOHISTAN LOWER

District Name	Kohistan Lower
Total Area	837.5123 (Square kilometers)
Total Population	202913
Sub Division	0
No. of Village Councils	9
Neighboring Districts	Kohistan Upper, Kolai Pallas Kohistan, Shangla, Swat
Weather/Climate	Four Seasons
Major Rivers/Nulla's/ Khwarh River	Indus River, Dubair Khwarh, Keyal Khwarh,
Vulnerable UC / VC	Keyal, Dubair, Chawadara, shetan Parri, Glozbanda, Dachi, Dag, Keru, Bankad
Vulnerable Population	278,003

Available Relief Items

Item	Quantity	Item	Quantity	Item	Quantity
Generator	5	Kitchen Sets	350	Life Jacket	50
Mattresses/Dharis	150	Plastic Lota	62	Bed Sheet	150
Mats Plastic various size	400	Net Mosquito	750	Water Cooler/Jerry Cans	180
Quits/Blankets	450	Hygiene Kit	150	Iron Bed	150
Quilts	800	Search light	43	Buckets	30
Pillow	300	First Aid Box	2	Plastic Sheets/Tarpaulin	250

Available Relief Fund: Rs. 26,478,184/-

5. KOHISTAN KOLAI

District Name	Kohistan Kolai
Total Area	1596 Sq. KM
Total Population	275461
Sub Division	Pallas
No. of Village Councils	13
Neighboring Districts	Kohistan Lower
Weather/Climate	Temperature Minimum - 1 to 10 C and Maximum 30 to 40 C (extreme temperature at heights in winter)
Major Rivers/Nulla's/ Khwarh River	b. Mosha Nalla. c. Kunsher Nalla. d. Kolai Nalla. e. Sheryal Nalla. f. Battaira Nalla. g. Madakhel Nalla. h. Sharakot Nalla. i. Baro Nalla. j. Shahi Nalla. k. Ladi Nalla. l. Landy Nalla. m. Dhano Nalla. n. Chor Nalla. o. Kundal Nalla. p. Dewan Nalla.
Vulnerable UC / VC	Shalkhanabad, Kuz Paro, Kolai, Haran, Bar Sheryal, Madakhail, Peach Bela, Sharaid, Kunsher
Vulnerable Population	219,951

Available Relief Items

Item	Quantity	Item	Quantity
Mats Plastic various size	49	Life Jackets (All Type)	45
Mattresses / Dharis	70	Hygiene Kit	42
Quits/Blankets	120	Stoves/Gas cylinders	9
Water Cooler/Jerry Cans	29	Tents	41
Buckets	33	Generator	2
Utensils / Kitchen sets	33	Net Mosquito	186

Available Relief Fund: Rs. 31,695,759/-

6. KOHISTAN UPPER

District Name	Kohistan Upper
Total Area	3000 Square Kilometer
Total Population	306336
Sub Division	Dassu & Seo
No. of VC	61
Neighboring Districts	Kohistan Lower, Kolai Pallas Kohistan, Mansehra, Shangla, Diamer and Ghizer
Weather / Climate	The District is warm in Summer except some high areas which are also cold in winter having snow fall and temperature generally falls below freezing point. The summer months are from May to September and the winter season starts from November and continues till March. the month of December January and February are very cold. Monsoon reaches only the Lower part of Kohistan. the rain fall in winter season is more than in summer. the District experiences variation in temperature during winters and summers. In winters minimum temperature ranges from -1 C to - 10 C and summers maximum ranges from 30 C to 40 C.
Major Rivers / Nullahs / Khwarh River	Indus River.
Vulnerable UC / VC	Bariyar, Bar Jalkot, Goshali, Dassu, Tiyal, Chochang, Uchar, Ku Jalkot, Churto, Sosak, Pashot Jalkot, Qaisar Dadair, Gujjar Banda, Gabbar Sair, Roi Back, Lohi, Jhamrah, Komila, Zaid Khar, Sigal Rango, Chichar Kuz, Seo Gaon, Gaider, Dhair Gato, Razikz Ashni, Sigloo, Ashial, Lodhair Razika, Chawai, Kuz Purwa, Gayal Bar, Gayal Kuz, Doga Bala, Kanglo, Thoki, Jalkot, Richao, Lachi Nallah, Kafar Banda, Eleel, Sertoo, Kareen, Seirgarhi, Jashoi, Siyal, Dong, Karang, Dansh, Berti, Bagroo, Gabral Molakhail, Shadam Khail Gabral, Ishpidar Maidan, Mirshahi, Nakhto, Barigo
Vulnerable Population	291,354

Available Relief Items

Item	Quantity	Item	Quantity
Mattresses / Dharis	33	Net Mosquito	137
Mats Plastic various size	679	Tents	263
Buckets	12	Hygiene Kit	340
Plastic Sheets/Tarpaulin	120	Utensils / Kitchen sets	347
Quits / Blankets	1206	Stoves/Gas cylinders	312
Water Cooler/Jerry Cans	392		

Available Relief Fund: Rs. 29,539,891/-

7. MANSEHRA

District Name	Mansehra
Total Area	4579 sq km
Total Population	1556460
Sub Division	Mansehra, Balakot, Oghi, Darband & Baffa Pkahal
No. of Village Councils	11
Neighboring Districts	Battagram, Torghar, Kohistan, Abbottabad, Haripur.
Weather/Climate	Normal
Major Rivers/Nulla's/ Khwarh River	Siran & Kunhar
Vulnerable UC / VC	Attershisha, Pairan, Sanda Sar, Labar Kot, Baffa, Inayat Abad, Dhodial, Shinkiari, Tanda, Trangri Sabir Shah, Oghi, Shamdara, Kathai, Belian, Dilbori, Bandi Shungli, Shergarh, Karori, Kaghan, Mohandri, Kawai, Ghanool, Hangrai, Satbani, Balakot, Garlat
Vulnerable Population	7,400

Available Relief Items

Item	Quantity	Item	Quantity
Tables	4	Dewatering pumps	1
Quits/Blankets	118	Kerosene Oil Heater	200
Life Jackets (All Type)	11	Search light	5
Mattresses/Dharis	10	Quilts	62
Mats Plastic various size	180	Pillow	11
Water Cooler/Jerry Cans	68	Generator	1
Utensils/Kitchen sets	5	Stoves/Gas cylinders	4

Available Relief Fund: Rs. 1,375,326/-

8. TORGHAR

District Name	Toorghar
Total Area	454 Sq-Km
Total Population	171,395
Sub Division	1 (Judba)
No. of Village Councils	10
Neighboring Districts	Mansehra, Battagram, Swabi, Buner, Shangla, and Haripur
Weather/Climate	The areas of the district along the Indus have an arid -subtropical climate with hot and humid summers and mildly cool winters without any snowfall. But this pattern changes to Alpine weather heavy rains in the monsoon and heavy snowfall in winters
Major Rivers/Nulla's/ Khwarh River	River Indus
Vulnerable UC / VC	Bikyana Akazai, Danda Japit, Shagai, Madakhel, Cheer, Dada Banda, Jhatka, Surmal.
Vulnerable Population	174,672

Available Relief Items

Item	Quantity	Item	Quantity
Dewatering pumps	2	Search light	3
Water Cooler/Jerry Cans	70	Kitchen Sets	35
Life Jackets (All Type)	20		

Available Relief Fund: Rs. 5,302,909/-

4.1.4 KOHAT DIVISION**1. HANGU**

District Name	Hangu
Total Area	1097 KM (Square)
Total Population	581420 (2017 census)
Sub Division	02
No. of Village Councils	8
Neighboring Districts	Kohat, Karak, Orakzai, Kurram and North Waziristan
Weather/Climate	District Hangu is a height of 2900 feet, generally summers are bearable and temperature varies from 40°C to 43°C and winters are severally cold.
Major Rivers/Nulla's/ Khwarh River	Shahoo Khwar, Irrigation Channel, Raisan Khwar, Khanki Toyay, Kotki Khwar, Sangroba Nullah, Police a lgada, Custom Algada, Starra Algada, Kake Algada.
Vulnerable UC / VC	Kahi, Qazipump, Kotki, Karsha, Ganjano Kally, Raisan, Darsamand, Dallan.
Vulnerable Population	114,406

Available Relief Items

Item	Quantity	Item	Quantity
Life Jackets	35	Kitchen Sets	75
Tents	383	Water Cooler	96
Plastic Mats	137	Mattress	36
Blankets	2050	Bed Sheets	35
Quilts	340	Pillows	125
Iron Bed	180		

Available Relief Fund: Rs. 14,360,404/-

2. KOHAT

District Name	Kohat
Total Area	029813 (Sq Km)
Total Population	0993874 (2017)
Sub Division	Kohat
No. of Village Councils	16
Neighboring Districts	Peshawar, Hangu and Karak
Weather/Climate	Hot Semi-Arid Climate
Major Rivers/Nulla's/ Khwarh River	Khushalghar (River Sind) and Rehman Abad River, Nullah Aurakzai, Usterzai, Chennah and Sheikhan
Vulnerable UC / VC	Shakardara Urban, Rural 1 & 2, Jerma, Lachi Rrual, Sudal, Khushalgarh, Shawaki amd Malgin, Nusrat Khel, Bahadar Kot, Shahpur, Usterzai, Urban-V Hafizabad, Togh Bala -I
Vulnerable Population	237,575

Available Relief Items

Item	Quantity	Item	Quantity
Life Jackets	63	Quilts	150
Mattress	51	Kitchen Sets	58
Pillows	86	Water Cooler	30
Torch	22	Soaps / Dettol	1060
Tents	119	Water Bowser	1

Available Relief Fund: Rs. 320,000/-

3. KURRAM

District Name	Kuram
Total Area	The District is 115-Kilometer-long with a total area of 3,380 square kilometers. Its headquarter is Parachinar town located at a distance of 74 kilometers from Thall on Main road.
Total Population	Total Population of the Kurram District according to Census Report 2017 is 619,553 in which 579556 are in Rural while 39997 are in urban. Detail of Sub Divisional Population is as under Upper Kurram 253,478 with 25924 Household Lower Kurram 136,719 with 14030 Household Central Kurram 229,356 with 27290 Household
Sub Division	Kurram District is currently subdivided into three Tehsils Upper, Lower and Central Kurram and with four Tehsils i.e Parachinar, Sadda, Alizai and Dogar.
No. of Village Councils	12
Neighboring Districts	Khyber, Orakzai and Hungu are the Neighboring District of Kurram District.
Weather/Climate	Climate of the valley remains pleasant most of the summer however in winters minimum temperature is usually below freezing point.
Major Rivers/Nulla's/ Khwarh River	The Kurram river takes its origin it's the junction of the number of small streams/Nala (here in local language toie khwar) at no great distance above. From Kharalchi its Junction with Kirman 19 KM down streams, it received no further supply expect from occasional float torrents from Kohi Safid, though an innumerable series of ravines cut in to plateau. For another 26 KM the only contribution of the river is rain drainage from the hill, but at Sadda it Received Khurmana. Beyond village Tangai and Bagzai Lower Kurram it receives no further supply with in the district and crosses over the Thall from where it enter in to north Waziristan District.
Vulnerable UC / VC	Zeran, Mali Khel, Kagawaga, Pewar Alizai, Nastikot, Pir Qayum, Makhizai, Ramaki Kali, Yaqoobi, Uchat, Wam Tindo, Dergai, Karigaro Kali, Angori, Badama, Gowdar, Ghawyaghara, Tabai, Makhrani, Zara Mila, Arwaza, Lokhai
Vulnerable Population	114,406

Available Relief Items

Item	Quantity	Item	Quantity
Tent	110	Water Cooler/Jerry Cans	145
Buckets	35	Stove gas cylinder	25
Net Mosquito	410	Hygiene Kit	109
Plastic Sheets/Tarpaulin	66	Mattresses/Dharis	80
Blankets	430	Quilts	430
First Aid Box	9	Water Gallon	24
Search light	24		

Available Relief Fund: Rs. 11,481,960/-

4. KARAK

District Name	Karak
Total Area	3372 Sq. Km
Total Population	706299
Sub Division	Karak, T/Nasrati & Banda Daud Shah
No. of VC	9
Neighboring Districts	Kohat, Hangu, Bannu, Mianwali & Lakki.
Weather/Climate	The four weather exist in the District.
Major Rivers/Nulla's/ Khwarh River	No river is situated in the area. After rains flash floods arise in hilly terrains moving through local stream / Algadda. In Karak, flash floods streams include Balenzeen Algada, Tarkha Algada, Khawaz Algada, Zebi Algada. In Tehsil T/Nasrati there as Lawagher Algada, Landiwaga, Machaki and Shanawa Gudi Khel and other smaller streams of flash floods. In Tehsil Banda Daud Shah, flood plains include Gurguri to Sanda Khurram flood plains, Shakardar Plains and Momi Khel to Mansooghar.
Vulnerable UC / VC	Shanawa Gudi Khel, Shanawa Gudi Khel, Banda Daud Shah, Takht Nasrati, Official Colony NC, College Town NC, Mithawala, Tappi Karak VC, Rehmatabad VC, Jander VC, Sarat Khel VC, Tarkha Koi VC, Doda Khel VC, Dandi Eidal Khel VC, Sabirabad VC, Deli Milla VC, Pa losa Sar VC, Chani Khel VC, G.M.K Khel VC, Tarki Khel VC, Essak Chontra VC, Kando Khel VC, Mithakhel VC, Laki Ghundaki VC, Kanda Karak VC, Mandawa V, Latamber Sharqi VC, Latambar GHARBI, Bahader Khel, Bahader Khel VC, Darish Khel VC, Dagar Nari VC, Nari Pa noos VC, Jatta Ismaeel Khal VC, Gurguri, Takh -e- Nasrati Bala VC, Takh -e- Nasrati Pain, Shahidan Banda, Siraj Khel VC, Jehangeri, Ahmad Abad VC, Chokara
Vulnerable Population	20,826

Available Relief Items

Item	Quantity	Item	Quantity
Net Mosquito	30	Buckets	60
Stoves/Gas cylinders	20	Water Cooler/Jerry Cans	40
Utensils/Kitchen sets	20		

Available Relief Fund: Rs. 663,200/-

5. ORAKZAI

District Name	Orakzai
Total Area	1338 (Square Kilometers)
Total Population	2,54356, (Census 2017)
Sub Division	2 (Upper/Lower)
No. of VC	3
Neighboring Districts	Khyber, Kurrum, Hangu, and Kohat
Weather/Climate	Extreme weather conditions in Summer and Winter both
Major Rivers/Nulla's/ Khwarh River	River Mastora, and Khanki
Vulnerable UC / VC	Zeran, Pekar Alizai, Nastikot, Mali Khel, Shalozan, Pekar Tangi, Ghozghari, Kagawaga, Angori, Arwaza, Lokhai, Makhrani, Badama Gowdar, Zara Mila, Tabai , Suirie Ali, Sherzai, Ziamusht, Mosoozai, Parachamkani, Wam Tindo, Dergai, Karigaro Kali, Pir Qayum, Uchat, Makhizai, Ghawyaghara, Ramaki Kali, Yaqoobi,
Vulnerable Population	87,837

Available Relief Items

Item	Quantity	Item	Quantity
Blankets	300	Mats Plastic various size	200
Tents	200	Dewatering pumps	2
Mattresses/Dharis	300	Quilts	300
Mosquito Net	500	Water Cooler/Jerry Cans	270
Search light	25	Kitchen Sets	300

Available Relief Fund: Rs. 11,179,508/-

4.1.5 MARDAN DIVISION

1. MARDAN

District Name	Mardan
Total Area	1632 sq. km
Total Population	2373061
Sub Division	4
No. of Village Councils	12
Neighboring Districts	05, Swabi, Charsada, Nowshera, Buner, Malakand
Weather/Climate	Extreme weather condition in summer and Winter Both
Major Rivers/Nulla's/ Khwarh River	Kalpani, Balar Nala
Vulnerable UC / VC	Toru, Dagha Piran, Mayar, Bumbat, Baghdada, Skandari Purdilabad, Kaskoroona, Bakhshali, Garhi Ismail Zai, Gujrat, Gumbat, Jalala
Vulnerable Population	381,459

Available Relief Item

Item	Quantity	Item	Quantity
Mattresses/Dharis	82	Utensils / Kitchen sets	138
Mats Plastic various size	150	Dewatering pumps	11
Plastic Sheets/Tarpaulin	197	Tent	101
Quits/Blankets	30	First Aid Box	3
Water /Jerry Cans	87		

Available Relief Fund: Rs. 9,283 million

1. SWABI

District Name	Swabi
Total Area	1543 Sq. KM
Total Population	18,32,000
Sub Division	02 (Tehsil Swabi & Tehsil Lahor)
No. of Village Councils	10
Neighboring Districts	Buner, Nowshera, Haripur, mardan
Weather/Climate	Extreme (very hot in summer and very cold in winter)
Major Rivers/Nulla's/ Kharwarh River	Indus and Kabul
Vulnerable UC / VC	Anbar, Saleem Khan, Karnal Sher Khan Kallay, Kalu Khan, Shangrai, Pabini, Jahangira, Thandkoi, Panjpir, Topi.
Vulnerable Population	255,000

Available Relief Items

Item	Quantity	Item	Quantity
Tents	180	Jerry can	72
Quits/Blankets	90	Stove gas cylinder	48
Cylinders	40	Life Saving Jackets	50
Electric Torch	40	Search light	49
Bed Sheet	70	Quilts	600
Tarpaulin	84	Blankets	50
Hygiene Kit	48	Dewatering pumps	2
Plastic Sheets/Tarpaulin	100		

Available Relief Fund: Rs. 4,006,000/-

4.1.6 MALAKAND DIVISION

1. BAJAUR

District Name	Bajaur
Total Area	1,290 km ²
Total Population	1.094 million (2017)
Sub Division	02 Sub Division of Khar & Nawagai
No. of VC	34
Neighboring Districts	Dir lower, District Muhmand, Kunar Afghanistan. Dargai
Weather/Climate	The district, due to its mountainous terrain has an extreme climate. Bajaur is located at the extreme end of the Himalayan Range, which creates variation and uncertainty in the monsoon rains.
Major Rivers/Nulla's/ Kharh River	<p>Nawagai to Mandal Khwarh: It ranges from Nawagai via Loesam to Mandal and Maram Ghundai area of Tehsil Khar and finally meet with Mamund Khwarh near Khar bridge.</p> <p>Mamund Khwarh: It ranges from the hilly areas of Mamund, passing through Inayt Killi and Maminzo and join the Nawagai Khwah near Khar bridge as discussed above,</p> <p>Pashat Jar Khwarh: Its origin starts from the hilly area and springs of Salarzai especially the Gabbar Spring and passes through Pashat to Raghagan and Jar and join the Khar river at Jar area of Tehsil Khar.</p> <p>Jar to Munda Khwarh: All the above rivers after joining at Jar flow to Munda and meet with the river Samarbagh Munda District Dir Lower. Some small streams flow at Arang area of Tehsil Utmankhel and Tehsil Barang.</p>
Vulnerable UC / VC	Babara, Hasham, Kamangara, Bara kamangara, Ghaljo kamangara, Baba g Pahar, Hasham, Babara, Matak Sar, Naranj, Tarano Bagandil, Sro wano, Bagandil, Tarano, Bagathora Dara Bar Malasaid, Gidar Shai, Tarano, Bagathora, Gero, letai, Malasaid, Ghakhi Pass, Kitkot bakoro, Bar chamarkand, Nawapass border, Asilo Targhao, Kwaro Sar, Safaray, Sar lara, Dan Azghan , ghrshamozai targhao, Kando Gadamar Sharbatai, Dandokay, Majal, Bosaq
Vulnerable Population	274,169

Available Relief Items:

Item	Quantity	Item	Quantity
First Aid Kit	3	Kitchen Sets	7
Pickaxe	230	Water Cooler	220
Life Jackets	100	Hygiene Kits	45
Shovel	2	Pillows	168
Plastic Mats	60	Hand Carts	5
Tents	7	Quilts	70
Blankets	65		

Available Relief Fund: Rs. 7,914,824/-**2. BUNER**

District Name	Buner
Total Area	1,865 Sq. Km
Total Population	8,97,319
Sub Division	06
No. of Village Councils	5
Neighboring Districts	Malakand, Swat, Shangla, Torghar, Haripur, Swabi, Mardan
Weather/Climate	Extreme Winter and Average Summer
Major Rivers/Nulla's/ Khwarh River	Barandu Khwarh (Main Stream) in District
Vulnerable UC / VC	Koga, Nawagai, Makhranai , Amazai, Kandar Katai
Vulnerable Population	16,330

Available Relief Items

Item	Quantity	Item	Quantity
Hand Carts	45	Water Cooler	233
Torch	45	Dewatering pumps	8
Tents	106	Generators	3
Quilts	201	Life Jackets	24
Kitchen Sets	134		

Available Relief Fund: Rs. 6,943,043/-

3. CHITRAL LOWER

District Name	Chitral Lower
Total Area	6458
Total Population	259469
Sub Division	1
No. of Village Councils	25
Neighboring Districts	Dir Upper, Chitral Upper, Swat
Weather/Climate	Moderate
Major Rivers/Nulla's/ Kwharh River	Chitral River, Lotkoh River, Bumborate Nalla, Shishikoh Nalla, Shoghore Nalla, Golain Nalla, Drosh Gol, Chitral Gol Nalla, Shali Gol, Karimabad Nalla, Arkari Nalla, Biori Nalla
Vulnerable UC / VC	Bumborate, Birir, Rumbor, Golain, Shishikoh, Susum
Vulnerable Population	46284

Available Relief Items

Item	Quantity	Item	Quantity
Shovel	75	Quilts	1580
Tents	471	Water Cooler	100
Plastic Mats	200	Mattress	85
Blankets	1960	Iron Bed	137
Kitchen Sets	360	Hygiene Kits	360
Life Jackets	70		

Available Relief Fund: Rs. 28,618,515/-

4. CHITRAL UPPER

District Name	Chitral Upper
Total Area	8154 (Sq KM)
Total Population	169892
Sub Division	1
No. of Village Councils	39
Neighboring Districts	Lower Chitral, Swat and District Ghizer of Gilgit Baltistan
Weather/Climate	Icy cold winter and pleasant summer
Major Rivers/Nulla's/ Khwarh River	River Yarkhun, River Laspur, River Torkhow Mulkhow
Vulnerable UC / VC	Reshun, Parwak Nesurgole, Miragram No.1, Parech, Yarkhun Lasht, Mahting, Zait, Brep, Khruzg, Terich, Uthol, Balim, Kushum, Chuinj, Khot, Shotkhar, Zaini, Khuzh, Charun, Kuragh, Booni, Mulkhaw, Melp, Rech, Pakhturi Owir,
Vulnerable Population	165,221

Available Relief Items

Item	Quantity	Item	Quantity
Mattresses/Dharis	100	Kitchen Set	275
Mats Plastic various size	135	Jerry can	200
Quits/Blankets	125	Tents	265
Plastic Sheets/Tarpaulin	220	Tarpaulin	220
Water Cooler/Jerry Cans	200	Gas Cylinder	120
Stoves/Gas cylinders	120	Mosquito Net	210
Net Mosquito	210	Kitchen Sets	275
Quilts	200	Plastic Lota	30
Blankets	125	Bed Sheet	30
Life Jacket	50		

Available Relief Fund: Rs. 13,864,182/-

5. DIR LOWER

District Name	Lower Dir
Total Area	1583 Sq.Km
Total Population	1435917
Sub Division	04
No. of Village Councils	12
Neighboring Districts	North= Upper Dir South= Bajaur East= Swat West= Afghanistan
Weather/Climate	Hot in Summer and Cold in Winter
Major Rivers/Nulla's/ Khwarh River	River Panjkora, River Swat, Rodh Khwar, Maidan Khawar, Shamshi Khan Khwar
Vulnerable UC / VC	Timergara, Shalfalam, Miskini, Darangal, Rabat, Munjai, Koto, Balambat, Khall,
Vulnerable Population	445,606

Available Relief Items

Item	Quantity	Item	Quantity
Quits/Blankets	2948	Shovels with Handle	200
Buckets	25	Helmet Plastic	33
Utensils/Kitchen sets	611	Stretchers	47
Stoves/Gas cylinders	242	Hand Carts	2
Net Mosquito	1015	Hurricane Lamp	200
CGI Sheets	300	Shelter Tool Kit	400
Screw Driver Sets+ Hammers	200	First Aid Box	12
Rubber Tubes	8	Tarpaulin	1600
Boats (All Type)	1	Hammers	200
OBM (All Types)	5	Mats Plastic various size	184
Water Cans	740		

Available Relief Fund: Rs. 12,470,259/-

6. DIR UPPER

District Name	Upper Dir
Total Area	3699 KMS
Total Population	946,421
Sub Division	Sub Division Dir, Subdivision Sheringal, Sub Division Wari
No. of VC	12
Neighboring Districts	Lower Dir, Lower Chitral and Swat
Weather/Climate	Humid subtropical climate:
Major Rivers/Nulla's/ Kharwar River	Barawal River, Dir River, Usheray River, Kohistan River, Gwaldai River, And Major Panjkor River
Vulnerable UC / VC	Shaw, Hayagai, Nangarkari, Bandekhwar, Chiragali, Sadiqa Banda, UC Chukyatan VC Hayagai Sharqi & Gharbi, Qulandi Village Dobando, UC Qulandi Village Jarjoray Bala, UC Qulandi Village sangar, Bagh Kalay/Sarko, Gwaldai, Doagdara, Qwanj, Tapandai, Thall Kalkot, VC Guryal, VC Ganshal Bala, Village Shot Kass, Village Sia Payeen Doag, VC Barkaley, VC Achar Bala, Karpat, Bilachand Barawal, Usorai, Mulvi, VC Karpat, VC Shagai, UC Nehag, VC Palam, Amrit, VC Nishan Banda, VC Sadiqa Banda, UC Shahikot Village Shaltalo, VC Nasrat Dara, VC Noor Khel Gujaro Kaley, Village Midan, Village Siason, Village Byar, Village Jonkass, Village Lantor, Village Haji Shai, Village Kumrat, Village Lamoti
Vulnerable Population	688,209

Available Relief Items

Item	Quantity	Item	Quantity
Mats Plastic various size	136	Water Cooler/Jerry Cans	8
Mattresses/Dharis	38	Net Mosquito	160
Plastic Sheets/Tarpaulin	330	Pillow	50
Quits/Blankets	1070	Plastic Lota	50
Water Cooler/Jerry Cans	8	Bed Sheet	50
Utensils/Kitchen sets	80	First Aid Box	4
Stoves/Gas cylinders	4	Jerry can	34
Search light	115	Tents	120
Plastic Sheets/Tarpaulin	330	Life Jackets	18
Cylinders	4	Iren Bed	75
Hygien Kit	15		

Available Relief Fund: Rs. 10,858,234/-

7. MALAKAND

District Name	Malakand
Total Area	952 square KM
Total Population	720295
Sub Division	02 Sub Division and 03 Tehsils i.e (Batkhela, Dargai & Thana Baizai)
No. of Village Councils	13
Neighboring Districts	Dir Lower, Mardan, Swat, Momand, Bajauar, Buner & Charsadda
Weather/Climate	Spring, Autumn
Major Rivers/Nulla's/ Khwarh River	River Swat, River Panjkora, Alladand khwarh, thana khwarh, Batkhela khwarh, Mekhband Khwar
Vulnerable UC / VC	Agra, Kot, Showlaway, Narangai, Selay Pati & Palai
Vulnerable Population	53,861

Available Relief Items

Item	Quantity	Item	Quantity
Pillow	20	Kitchen Sets	19
Mattresses/Dharis	15	Bed Sheet	75
Water Cooler/Jerry Cans	5	Kitchen Set	19
Net Mosquito	30	Tents	16
Generators	1	Hygiene Kit	83
Cylinders	30	Life Jackets	8

Available Relief Fund: Rs. 13,223,707/-

8. SHANGLA

District Name	Shangla
Total Area	1,586 square kilometers.
Total Population	757,810
Sub Division	Shangla comprises three subdivisions, Alpuri, Puran and Besham.
No. of VC	20
Neighboring Districts	The District is bounded in the north by Kohistan District, in the east by Battagram District and Torghar District, in the west by Swat District and in the south by Buner District
Weather/Climate	Extreme weather condition in winter and summer both.
Major Rivers/Nulla's/ Kharwarh River	River Indus, Khan Khwar, Lilownai Ghwarban Khwar, Sargar Khwar, Lal Khani Khwar, Amnavi Khwar, Chakisar Khwar, Puran Khwar
Vulnerable UC / VC	Lilownai, Alpuri, Damorai, Malak Khel Achar, Shahpur, Ajmir, Besham, Maira Besham, Chakisar, Dehrai, Bunir wal, Khadang, Puran, Makhuzi, Chagum, Bar Puran
Vulnerable Population	73,000

Available Relief Items

Item	Quantity	Item	Quantity
Mats Plastic various size	682	Gas Cylinder (Small Size)	191
Tents	503	Bed Sheet	383
Blankets	601	Mosquito Net	702
Quilts	1457	Iren Bed	177
Water Cooler/Jerry Cans	299	Pillow	151
Water Cans	89	Shovel	6
Kitchen Sets	419	Hand Carts	69
Mattresses/Dharis	523	Hand Shovel	138
Generators	8	Life Jackets	100

Available Relief Fund: Rs. 4,024,619/-

9. SWAT

District Name	Swat
Total Area	5337 km ²
Total Population	2,309,570
Sub Division	07
No. of Village Councils	69
Neighboring Districts	69
Weather/Climate	Extreme Cold in November, December, January and February. Moderate in Summer
Vulnerable UC / VC	Ushu, Mataltan, Kalam, Utror, Shawar, Chupriyal, Aka Marroof / Bamikhel
Vulnerable Population	1,036,974

Available Relief Items

Item	Quantity	Item	Quantity
Tent	532	Mosquito Net	540
Blanket	448	Iron Bed	34
Mattress	513	Pillow	340
Hygien Kit	417	Jerry Can	107
Plastic Mat	932	Tarpaulin Sheet	201
Quilts	615	Life Jacket	125
Kitchen Set	329		

Available Relief Fund: Rs. 26,996,147/-

4.1.7 PESHAWAR DIVISION

1. CHARSADDA

District Name	Charsadda
Total Area	996 sq km
Total Population	1,616,198
Sub Division	Charsadda, Tangi and Shabqadar
No. of Village Councils	23
Neighboring Districts	Peshawar, Mardan, Nowshera, Mohmand and Malakand
Weather/Climate	Extreme weather conditions in Summer and Winter both
Major Rivers/Nulla's/ Khwarh River	River Kabul, River Swat and Jindi Nullah
Vulnerable UC / VC	Charsadda, Tangi and Shabqadar
Vulnerable Population	600,343

Available Relief Items

Item	Quantity	Item	Quantity
Water Cooler/Jerry Cans	111	Search light	60
Water Tanks 500 Gallons Each With Fitted Water Taps	113	Search light	60
Life Jackets (All Type)	100	Kitchen Sets	100
Tarpaulin	438	Blanket	24
Hygiene Kit	205	Old Tent	431

Available Relief Fund: Rs. 2,975,678/-

2. KHYBER

District Name	Khyber
Total Area	2576 SqK
Total Population	986973
No. of Village Councils	3
Neighboring Districts	Kurram, Orakzai, FR Kohat, Peshawar and Mohmand
Weather/Climate	Hot Summer Normal winter
Major Rivers/Nulla's/ Khwarh River	Hot Summer Normal winter
Vulnerable UC / VC	Bara, Landi Kotal, Jamrod
Vulnerable Population	35,100

Available Relief Items

Item	Quantity	Item	Quantity
Tents	16	Mats Plastic various size	40
Net Mosquito	35	Water Cooler/Jerry Cans	28
Buckets	22	Quits/Blankets	15
Stoves/Gas cylinders	3		

Available Relief Fund: Rs. 5,000,000/-

3. MOHMAND

District Name	Mohammad
Total Area	2,297 sq km
Total Population	466984
Sub Division	Upper Mohmand , Lower Mohmand and Baizai Sub-Division
No. of Village Councils	63
Neighboring Districts	Khyber, Peshawar, Makland,Bajaur and Charsadda
Weather/Climate	hard
Major Rivers/Nulla's/ Khwarh River	Kabul River , Swat, River,
Vulnerable UC / VC	Prang Ghar, Pindyali, Ambar, Baizai, Ekkaghund, Khawazai, Halimzai / Safi
Vulnerable Population	315,285

Available Relief Items

Item	Quantity	Item	Quantity
Hand Shovel	50	Hand Carts	10
First Aid Kit	30		

Available Relief Fund: Rs. 0/-

4. NOWSHERA

District Name	Nowshera
Total Area	1748 sq.km
Total Population	1518540
Sub Division	Pabbi, Nowshera and Jehangira
No. of Village Councils	27
Neighboring Districts	2 Nowshera cantt and city are situated at opposite sides of the bank of Kabul River to each other . On its North-East, district Attock of Punjab province is situated. On Its North there are Swabi and Mardan Districts. On Northwest is the Charsadda District. In the west is Peshawar District. On South there touches the Kohat District boundary. FR Kohat boundary i.e Darra Adam Khel also borders with Nowshera
Weather/Climate	In Nowshera, the summers are sweltering, humid, and clear and the winters are cool and partly cloudy. Over the course of the year, the temperature typically varies from 43°F to 111°F and is rarely below 37°F or above 118°F.
Major Rivers/Nulla's/ Khwarh River	Kabul River, Kal Apni River
Vulnerable UC / VC	Bakhtai, Manahi, Mando khel, Motto pati
Vulnerable Population	406,762

Available Relief Items

Item	Quantity	Item	Quantity
Soap	1067	Kitchen Sets	40
Mattresses/Dharis	80	First Aid Box	10
Water Cooler/Jerry Cans	32	Tents	98
Utensils/Kitchen sets	37	Tables	4
Stoves/Gas cylinders	167	Life Jackets (All Type)	96
Spray pumps	16	Life Jacket	80
Quilts	97		

Available Relief Fund: Rs. 125,000/-

1. PESHAWAR

District Name	Peshawar
Total Area	1283.71Sq.Km
Total Population	4,269,079 (4.269079m)
Sub Division	5
No. of Village Councils	24
Neighboring Districts	Charsadda, Nowshera, Mohmand and Khyber
Weather/Climate	Summer and Winter both
Major Rivers/Nulla's/ Khwarh River	River Kabul, Achini Khwarh, Zindi Khwarh, Shagai khwarh, Pirbala khwarh, bara Khwarh, Hajizai river, Shahalam river
Vulnerable UC / VC	Larhama, Pakha Ghulam, Khazana, Gulbela, Wadpaga, Nahaqi, Haryana Payan, Kafoor Dehri, Mathra, Takht abad, Khatki, Lala, Kankola, Budhni, Chamkani, Jogani, Panam Dehri, Shahi Bala, Achini Bala, Musazai, Urmer Bala, Mera Kichori, Mera Surizai Paya
Vulnerable Population	858,098

Available Relief Items

Item	Quantity	Item	Quantity
Tents	5	Generators	4
Quits/Blankets	345	Hand Carts	16
Mattresses/Dharis	93	First Aid Kit	6
Kitchen Sets	40	Hand Shovel	3
Dewatering pumps	14	Life Jackets	90

Available Relief Fund: Rs. 2,550,000/-



CHAPTER 5
CONTACT DIRECTORY



5.1 CONTACTS DIRECTORY

PDMA CONTACT LIST

PDMA, Khyber Pakhtunkhwa				
	Name, Designation	Office	Mobile	Fax
1	Mr. Sharif Hussain, Director General	091-9213855	0345-9777121	
2	Mr. Muhammad Rehman, Director Relief	091-9213890	0345-9355002	091-9219637
3	Ms. Zuhar Nigar	091-9219628	-	
4	Mr. Sajid Imran, Director Rehabilitation		0300-8582395	
5	Mr. Zeeshan Abdullah, Director (CEW)	091-9216532, 9216403	0333-9997446	091-9216520
6	Mr. Abdul Rehman Shah, AD (Warehouse)		0333-9733456	
7	Mr. Ismail KHAN, DRR Specialist	091-9219628	0345-9297005	
8	Mr. Taimur Ali, AD (Focal Person Media)		0346-4081890	091-9219637
9	Mr. Fahad Tahir, Incharge PEOC	091-9219635, 9219636	0311-9281272	
10	Mr. Imran, AD (Admn)		0345-9456782	
11	PEOC, (Control Room)	091-9219635/36		

LIST OF DIVISIONAL REPORTING OFFICERS OF PDMA

S.No	Name	Designation	Division	Contact No
1	Muhammad Umar khan	Reporting Officer	Mardan	0345-9373099
2	Salman Mulk	Reporting Officer	Malakand	0334-9023995
3	Maqsood Anwar	Reporting Officer	Kohat	0345-9052824
4	Muhammad Faheem	Reporting Officer	DIKhan	0332-9737678
5	Muhammad Ibrahim	Reporting Officer	Hazara	0333-9055254

List of District Coordinators Complex Emergencies Wing, PDMA

1	Mr. Zia Rehman	Khyber	0300-5969632
2	Mr. Imran Wazir	North Waziristan	0333-9118404
3	Mr. Said Umer	South Waziristan	0345-9898203
4	Mr. Mujahid Turi	Kurram	0301-8868401
5	Mr. Khalid Saleem	Bajaur	0336-9262630
6	Mr. Irfan Ullah Bangash	Orakzai	0333-9173263
7	Mr. Shahid Salarzai	Mohmand	0333-9217154

CONTACT LIST OF NDMA AND OTHER PDMA'S

SR. NO.	NAME AND DESIGNATION	OFFICE NO/ FAX NO	CELL NO
		051-9222373 051-9212444	
1	Lt. General Akhtar Nawaz Sathi, Chairman, NDMA.	Fax no: 051-9202407/9204197 9204179	0333-5388693
2	Maj Muhammad Ali Khan, Director Reponse	Ph: 051-9030924	0333-5037187
3	National Emergency Operation Center	UAN: 111157157, Ph: 051-9030727-28-29	
4	Mr. Syed Salman Shah DG, PDMA, Sindh.	Ph: 021-35381810 Fax 021-99332007	0302-8207555
5	Mr. Faisal Farid DG PDMA, Punjab.	042-99203164-5 Fax no: 042-99204405	0304-0920096
6	Mr. Naseer Ahmad Nasir, DG, PDMA, Balochistan.	Ph: 081-9241118	0345-8359200
7	Mr. Muhammad Shahid Ayub, Secretary/DG, SDMA, Muzaffarabad, Kashmir.	Ph: 05822-921536 Fax: 05822-921643	0345-0523359
8	Mr. Muhammad Khalid Saleem, DG, Gilgit Baltistan Disaster Management Authority (GBDMA).	05811-922030 051811-920874 Fax no: 05811-920875 Fax no: 0919216520	0345-2549181

Rescue 1122 (Provincial Office)

Name	Designation	Phone
Dr. Khateer Ahmad	Director General	091-9222488 9222531 Fax 9222487
Dr. Ayaz Khan	Director Operation & Co ordinations (Khyber Pakhtunkhwak)	091-9222486 / Fax 9222537
Engr Nasir Khan	Director Admin	091-9222488
Mr.yasir zeb	Deputy Director [Admin]	091-9222422
Mr. Aruj Sherazi	Deputy Director	091-9222490
Mr. NIAZ ALI	AD (Communication)	091-9212693 091-9222485 0321-9069427
Mr. Waqas Ali	AD Legal	0333-9297463 0919222485
Mr. Waseem	Admin Officer	091-9222491 /0333-9368040
Mr. Irfan Ullah	Procurement Officer	03159030315
Mr. Umar	Planning Officer	0346-9207902
Mr.Afzal	AD Account	091-9222434
Mr. Bilal Ahmad Faizi	PRO	0321-9087517 03009008678

RESCUE 1122 DISTRICT EMERGENCY OFFICE

DISTRICT NAME	DEO Name	Mobile Number	Office Number	Control Number
Peshawar	Naveed Akhtar	0313-9550255	091-9225306	091-9225304
Mardan	Syed Inayat Shah (Act)	0335-5106092	0937-9230770	0937-9230771
DI Khan	Kamal Shah	0333-9365432	0966-9280438	0966-715166
Swat	Malik Sher Dil	0344-2379332	0946-9240260	0946-9240261
Abbottabad	Imran Khan	0314-9629626	0992-9310519	0992-9310560
Nowshera	M. Awais Babar (Act)	0312-3148989	0923-9220299	0923-9220312
Kohat	Naveed Khan	0300-9025779	0922-9260048	0922-9260060
Haripur	Shariq Riaz Khattak (Act)	0313-7775858	0995-920185	0995-920186
Chitral	Amjid Khan	0312-9693612	0943-414092	0943-414093
Charsadda	Ghayour Mushtaq	0313-5410976	091-9220433	091-2629001
Swabi	Arshad Iqbal	0333-5958151	0938-280428	0938-280423
Karak	Noor khattak (Act)	0345-9805740	0927-291364	0927-210364
Malakand	Arif khattak	0333-9292902	0932-411282	0932-411282
Hangu	Jawad Khalil (Act)	0333-9211455	0925-621316	0925-621305
Bajaur	Muhammad Saad Khan	0333-9055550	0942-220845	0942-220846
Mansehra	Hafeez Ur Rahman (Act)	0321-5266593	0997-920125	0997-920126
Buner	KASHIF AKBAR	0345-9492050	0939-510120	0939-510129
Khyber	Shoaib Mansoor	0331-2111122	091-5820405	091-5820404
Kohistan Upper	Amjad Ali Dawar (Act)	0333-8385822		0998-407212
Kohistan Lower	Sajid Ali	0345-5486175	0998-405112	0998-405013
Shangla	Rafi Ullah	0333-9987169	0996-850401	0996-850403
Dir Upper	Shah Wali Khan Acting Deo	0302-5742085	0944-880587	0944-880583
Dir Lower	Ibrar Ahmad	0342-9666204	0945-9250177	0945-821660
Bannu	Muhammad Fahim	0330-6108687	0928-620739	0928-664230
Mohmand	Iftikhar Khan	0335-5133780	0924-290285	0924-290286
Lakki Marwat	Faseh Ullah	0334-8825448	0969-538019	0969-538217
Kurram	Mr. Ghulam Murtaza	0330-5751122	0926-312491	0926-312494
Tank	Israr Khan (Act)	0334-8851166	0963-511521	0963-211100
Orakzai	Bilal Afridi	0331-3111122	0925-650037	0925-650037
Batagram	Kashif Khattak (Act)	0333-9019799	097-310180	0997-310184
South Waziristan	Tanveer Ahmad	0300-9737728	0965-210028	0965-210027
North Waziristan	Sana Ullah	0300-5744402	0928-312746	0928-312747

EMERGENCY CONTROL ROOM CONTACT LIST**Emergency Control Rooms Contacts**

NDMA Control Room	051-9030727, 051-9030728		051-111157157 051- 9030729 (FAX)
Peshawar District	091-9211338		Police Control Room: 9212222
Charsadda District	091-9220024 /9220137 (PDMA-Haroon)	091-9220021	Fax: 9220137
DENGUE CR PESHAWAR	9210851		PMD Helpline 1315
Nowshera District	0923-9220099	DC Home: 0923-9220098	
Khyber District	091-9211901/2	PA Khyber 091-9211901/2	
Mohmand District	0924-290004	0924-290001	

Malakand Division Emergency Control Room Contacts

Buner District	0939-510450		abdul salam
Shangla District	0996-850005 (Control Room)	0996-850008 Night Shift	0996-850911 (ADC office)
Swat District	0946-9240341(DC Office) (Salim 0333-9488321)	0946-9240338 (0946-9240337 after office timing)	0946-9240339 (CR), 0946-9240008
Chitral Lower District	0943-412519	0943-413858	
Chitral Upper District	0943-470355/356	0943-470025	Mumtaz Hussain (Relif Section) 0301- 8953961
Dir Lower District	0945-9250029	0945-9250002/1	0333-9327929 Obad
Dir Upper District	0944-880104/3		0334-8434711 (Raess (Steno))
Malakand District	0932-452080,	0932-452043	
Bajaur	0942-220432		

Hazara Division Emergency Control Room Contacts

Mansehra	0997-920170	0311-5539346	0997-920174 (CR)/304148 (Steno)
Abbottabad District	0992-9310200	0992-9310464	0992-9310553 (Control Room)
Haripur District	0995-613391 (DC Off)	0995-614115	0995- 610455(DDMO) 0995-613389 (Control Room)
Battagram District	0997-310136		0997-310071 (DPO House)
Kohistan Upper District	0998-407002	0998-407193	0998-407029 (Control Room)
Kohistan Lower District	0998-405166	0998-405031	DC Office 0998- 405091
Kolai Pallas Kohistan	0346-9653522 (AC)	DC Cell # 0345-9088265	
Tor Ghar	0346-9708912 Faisal Latif (PS to DC)		

Mardan Division Emergency Control Room Contacts

Mardan District	0937-9230701, 9230048/45	Nisar Malang: 0332- 6700005(InchargeC.Room)	(1122 No. 0937- 9230770/71) (Control Room 0937- 9230048/45)
Swabi District	0938-920016 DC Office 920009		0938-920006 (Control Room)

Kohat Division Emergency Control Room Contacts

Kohat District	0922-9260304 (AC)	0922-9260268 CR	0922-9260046
Hungu District	0925-623968	0925-621175	
Karak District	0927-210825	0927-210600	
Kurram	0926-520399, 0926310599		
Orakzai	0925-690008/690003		

D.I.Khan Division Emergency Control Room Contacts

D.I.Khan	(DC) 0966-9280116	(AC) 0966-9280117	0342-9479768 Liaqat Laghari
Tank District	0963-510835 Control Room	(AC) 0963-512290	(DC) 0963-511326
South Waziristan	0963-510364	0963-510709 (Clerk)	

Banuu Division Emergency Control Room Contacts

Banuu District	0928-9270032	0928-9270039	0332-3080397 (Sabir- Focal Person)
Lakki Marwat District	0969-538330	(AC) 0969-510548	
North Waziristan	0928-230257		

Important Control Rooms Contacts

Peshawar District (Rivers Gauge Reader)	9212114	1052	
Army Office (Lt. Osama)	5273190		Major Asad: 0321-4683833
Federal Flood Commission 05-9244616	Flood Forecast Lahore 042-99200139		HQ 10 Corp: 051-9280782
Seismic Earth Quake 051- 9250597 051-9250291	Warsak Dam (Control Room 2385103)		Operation Room CPO: 9210457, 9214090 Fax (9213165) whatsapp (0344-2272211)

Rescue 1122 Team

Falak Zeb 0315-0942451 Nasir Saleh 0345-9288185 Hamid Shah 0313-9126060

COMMISSIONERS CONTACT LIST

Name	Division	Office	Fax	Mobile/ Whatsapp	Email
Mr. Shoukat Ali Yousafzai	Malakand	0946-9240226 0946-9240185	0946-9240229-178, 0946- 9240223 (House)	0346-9443331	commissionermkd@gmail.com
Mr. Mutahir Zaib	Hazara	0992-9310111 0992-9310222 0992-9310444	0992-9310500	0333-9017359	commissionerhazara@gmail.com
Mr. Syed Abdul Jabar Shah	Mardan	0937-9230572-73	0937-9230578	0344-9047828	commissionermrd@yahoo.com
Mr. Raiz Khan Mehsood	Peshawar	091- 9211337	091-9214085	0300-8599055	commissionerpsh@gmail.com
Mr. Muhammad Javed Marwat	Kohat	0922-9260002	0922-9260105	0313-5020202	commissionerkoht@gmail.com
Mr. Arshad Khan	Bannu	0928-9270044	0928-9270041	0346-2666888	commissionerbannu@hotmail.com
Mr. Aamir Afaq	D I Khan	0966-9280351	0966-9280352	0346-9072848	commissionerdikhan@yahoo.com

DEPUTY COMMISSIONERS CONTACT LIST

Deputy Commissioners Contact List	Name of Officer	Office	Residence	Fax	Mobile	Whatsapp No.	Email
1	Abbottabad	Mr. Tariq Salam Marwat	0992-9310200/ 01-24	0992-9310464	0992-9310202	0321-8756722	depcomabbottabad@gmail.com
2	Bannu	Mr. Aun Haider Gondal	0928-9270032	0928-9270032	0928-9270079	0321-5771159	dcbannu@gmail.com
3	Battagram	Mr. Ishfaq Khan	0997-310030 0997-310136	0997-310136	0997-310051	0341-6333090	ap.batagram@gmail.com
4	Buner	Mr. Nasr Ullah Khan	0939-510450	0939-510888	0939-510427	0334-9373333	pstodcbuner@gmail.com
5	Charsadda	Mr. Saddat Hassan	091-9220024	091-9220020	091-9220021	0333-5585201	dccharsadda@gmail.com
6	Lower Chitral	Mr. Anwar Ul Haq	0943-412055 0943-412519	0943-412519	0943-412421	0345-5576888	deputycommissionerchitral@gmail.com
7	Upper Chitral	Mr. Manzoor Ahmed Afridi	0943-470025	0943-470356	0943-470356	0346-9111123	shamsheralibooni1@gmail.com
8	D.I.Khan	Mr. Inayat Ullah Waseem	0966-9280116	0966-9280022	0966-9280110	0300-8814808	dcderaa@gmail.com
9	Dir Lower	Mr. Zubair Niazi	0945-9250003 0945-9250031	0945-9250002	0945-9250001	0301-8388835	dcdirlower@gmail.com
10	Dir Upper	Mr. Akmal Khattak	0944-880394	0944-880104	0944-881130	0333-5019188	dcdirupper@gmail.com
11	Hangu	Capt ® Sarmad Saleem Akram	0925-621175	0925-623968	0925-620050	0300-5595089	dc.hangu@gmail.com
12	Haripur	Mr. Mughees Sana Ullah	0995-920200	0995-611149	0995-615412	0321-4671595	dcharipur2015@yahoo.com
13	Karak	Mr. Khalid Iqbal	0927-210825 0927-210828	0927-210825	0927-210925	0346-9264401	dckarak.kp@gmail.com
14	Kohat	Mr. Roshan Mehsood	0922-9260268	0922-9260031	0922-9260032	0346-7282828	dcokohat@gmail.com
15	Upper Kohistan	Mr. Wasif Rehman	0998-407002	0998-407193	0998-407001	0345-5503355	0345-5503355

16	Mr. Shakeel Ahmed	0998-405091	0998-405113	0998-405092	0344-3033988	0344-3033988	dc.kohistanlower.kp@gmail.com
17	Kolai Pallas Mr. M Tariq				0332-9836937	0332-9836937	
18	LakkiMarwat Mr. Iqbal Hussain Bacha	0969-538330-1	0969-538331	0969-538333	0345-8822930	0345-8822930	dciakkiMarwat@hotmail.com
19	Malakand Mr. Muhammad Arif Khan	0932-452080	0932-452043	0932-452105	0345-5056262	0345-5056262	dco_malakand@yahoo.com
20	Mansehra Dr. Adnan Khan	0997-920174	0997-920174	0997-305513	0335-0495486	0335-0495486	dcmansehrakpk@gmail.com
21	Mardan Mr. Habibullah Arif	0937-9230048/45	0937-9230457	0937-9230303	0333-9107828	0318-9626004	dcMardan0937@gmail.com
22	Nowshera Mr. Mir Raza Ozen	0923-9220099 0923-9220098	0923-9220098	0923-9220159	0345-8550381	0345-8550381	dconsrpk@gmail.com
23	Peshawar Mr. Shafi Ullah Khan	091-9212302	091-9211338	091-9211418	0300-5335979	0300-5335979	
24	Shangla Mr. Zia Ur Rehman	0996-850005 0996-850911	0996-850008	0996-850006	0348-8988551	0348-8988551	dco.shangla@gmail.com
25	Swabi Capt.® Sana Ullah Khan	0938-920009 0938-920006	0938-221220	0938-221500	0345-9519119	0345-9519119	
26	Swat Mr. Junaid Khan	0946-9240340/337	0946-9240338	0946-9240329	0333-9137808	0333-9137808	
27	Tank Mr. Arshad Qayum	0963-511326	0963-511326	0963-510300	0300-5322919	0300-5322919	dctank14355@gmail.com
28	Tor Ghar Mr. Tanveer Ur Rehman	"(Faisal Latif) 0346-9708912			0333-5705222	0333-5705222	dctorghar@gmail.com
29	South Waziristan Mr. Amjad Miraj	0963-510364 0963-510386		0963-510442	0301-9098999	0301-9098999	
30	Bajaur Mr. Iftikhar Alam	0942-220558 0942-220559		0942-220388	0333-4909853	0333-4909853	pa.kurram786@gmail.com
31	Kurram Mr. Aafaq Wazir	0926-310599 0926-313532 0926-310766		0926-310520/ 311797	0300-9773332	0300-9773332	
32	Mohmand Mr. Arif Ullah Awan	0924-290001		0924-290075	0333-9505268	0333-9505268	pamohmand@gmail.com
33	North Waziristan Mr. Shahid Ali	0928-300798		0928-300642 0928-300600	0346-9293209	0346-9293209	dcnwpoofficial@gmail.com
34	Khyber Mr. Shah Fahad	091-9211901 091-9211904		9211900	0333-9680299	0333-9680299	dckhyber@gmail.com
35	Orakzai Mr. Muhammad Khalid	0925-690008 0925-690003		0925-690007	0333-9375427	0333-9375427	

CONTACT LIST OF DDMOs

S.No.	Name	District	Mobile Phone	Whatsapp	PTCL	Office Fax
1	Mr. Saqlain Saleem Abid (ADC Relief)	ABBOTABAD	0331-7002901 0333-5056348	0332-4742074 0333-5056348	0992-9310203 0992-9310209	0992-9310202 0992-9310202
2	Mr. Tayyab Hayat Mr. Payo Khan (ADC Relief)	BANNU	0345-7744990 0333-9040660	0345-7744990 0333-9040660	0928-9270039 0928-9270032	0928-9270039 0928-9270079
3	Mr. Fazal Wahid Mr. Azaz Ullah (ADC Relief)	BATTAGRAM	0300-9488594 0345-4310001	0300-9488594 0345-4310001	0997-310391 0997-310136	0997-310051 0997-310051
4	Mr. Hamad Mr. Fayaz Khan(ADC Relief)	BUNER DAGGAR	0315-7639996 0334-8899777	0315-7639996 0939-510450	0939-511444/0939510234	0939-510427 0939-510427
5	Ms. Alveeina Faiz Mr. Muhammad Ali Shah(ADC Relief)	CHARSADDA	0304-4466565 0331-5897848	0304-4466565 0331-5897848	091-9220137/ Haron0333-9319906 091-9220419	091-9220026 091-9220026
6	Mr. Muhammad Waqas Masood Mr. Shah Jamil (ADC Relief)	CHITRAL LOWER	0323-4092336 0300-5444048	0323-4092336 0300-5444048	0943-413686 0943-412519	0943-413686 0943-413686
7	Mr. Shah Adnan Mr. Irfan Ud Din (ADC Relief)	CHITRAL UPPER	0300-5825453 0333-9191313	0300-5825453 0333-9191313	0943-470025 0943-470025	0943-470025 0943-470356
8	Mr. Nadir Shanzad Mr. Ishaq Wazir (ADC Relief)	D I KHAN	0301-3848791 0332-9757607	0333-3094266 0332-9757607	0966-9280117 0966-9280116	0966-9280110 0966-9280110
9	Mr. Farhan Ahmed Mr. Jan Muhammad (ADC Relief)	DIR LOWER	0333-8658368 0345-4406324	0333-8658368 0345-4406324	0945-9250029 0945-9250014	0945-9250001 0945-9250001
10	Mr. Sikandar Khan Mr. Masood Jan (ADC Relief)	DIR UPPER	0345-8829106 0331-9251852	0345-8829106 0331-9251852	0944-880506/ 880594/880278 0944-880394	0944-881130 0944-881130
11	Mr. Tanveer Ahmed Mr. Sardar Bahadr (ADC Relief)	HANGU	0301-3319967 0334-8124045	0301-3319967 0334-8124045	0925-622682 0925-622138	0925-621175 0925-620050
12	Ms. Asqa Fatima Miss. Shahista (ADC Relief)	HARIPUR	0332-5869905 0345-9222834	0332-5869905 0345-9222834	0995-920205 0995-610455/0995-920206	0995-615412 0995-615412
13	Mr. Sadam Hussain Mr. Hamid Afridi (ADC Relief)	KARAK	0343-3584408 0333-9554599	0343-3584408 0333-9554599	0927-210710 0927-210825/828	0927-210825 0927-210925
14	Mr. Nawab Sameer Hussain Laghari Mr. Abdul Rauf (ADC Relief)	KOHAT	0333-3094266 0333-9156373	0333-3094266 0333-9156373	0922-9260046 0922-9260268	0922-9260032

15	Mr. Muhammad Saqib Mr. Muhammad Saqib Wazir (ADC Relief)	KOHISTAN LOWER	0334-5336332 0348-6493006	0334-5336332 0348-6493006	0998-405091 0998-405102	0998-405092
16	Mr. Hafiz Waqar Mr. Imran Zia (ADC Relief)	KOHISTAN UPPER	0321-9803441 0349-4561187	0321-9803441 0349-4561187	0998-407003 0998-407003	0998-407001
17	Mr. Ishtaiq Ahmed Khan (ADC Relief)	KOLAI PALLAS	0300-9348675	0300-9348675	0998-407003	(Sulaiman 0345-8826501)
18	Mr. Tariq Ullah Mr. Tariq Ullah (ADC Relief)	LAKKI MARWAT	0346-9849884 0346-9849884	0346-9849884 0346-9849884	0969-510548 0969-538330-1	0969-350955 0969-538333
19	Mr. Muhib Ullah Mr. Waseem Akhtar (ADC Relief)	MALAKAND	0300-5776193 0341-4177777	0300-5776193 0345-9335118	0932-412254/0342-8281294 Relief Asst 0932-452080	0932-413199 0932-452105
20	Ms. Qurtlain Mr. Jawad Marwat (ADC Relief)	MANSEHRA	0321-1737954 0333-7463791	0321-1737954 0333-7463791	0997-300751 0997-920174	0997-305513 0997-305513
21	Mr. Muhammad Shojain Westro Ms. Aasma Arif (ADC Relief)	MARDAN	0336-2566972 0344-9177708	0336-2566972 0344-9177708	0937-9230701/ 0341- 5376622 islam 0937-9230048/45 9230322	0937-9230303 0937-9230303
22	Ms. Sara Tawab Ms. Sara Tawab (ADC Relief)	NOWSHERA	0334-1954474 0334-1954474	0334-1954474 0334-1954474	0923-9220104 0923-9220099	0923-9220220 0923-9220159
23	Mr. Obaid Ur Rehman Mr. Imran Khan (ADC Relief)	PESHAWAR	0336-4184283 0333-0506962	0336-4184283 0333-0506962	091-9212304 /Haseeb 03329085616	091-9212303 091-9212303
24	Mr. Muhammad Usman Ashraf Mr. Tariq (ADC Relief)	SWABI	0333-8429344 0311-9075195	0333-8429344 0311-9075195	0938-920016 0938-920006	938221917 0938-221500
25	MS. Muneeba Fatima Mr. Saeed Ullah Jan (ADC Relief)	SHANGLA	0343-4455346 0335-5620990	0343-4455346 0335-5620990	0996-850007/3337/850793 0996-850005	0996-850006 0996-850006
26	Mr. Muhammad Asghar Mr. Qazi Raiz Ali (ADC Relief)	SWAT	0334-8808020 0345-9523564	0334-8808020 0345-9523564	0946-9240341 -9240008 0946-9240340/337	0946-9240329 0946-9240329

27	Mr. Amin Ullah Mr. Tariq Saleem (ADC Relief)	TANK	0314-6934754 0333-9762123	0314-6934754 0333-9762123	0963-512290 0963-512290	0963-510300 0963-510300
28	Mr. Sahibzada Salim Vacant (ADC Relief)	TOR GHAR	0333-9419622	0333-9419622	0997-541005 0997-541005	0997-322029 0997-580188
29	Mr. Shahab Ud Din Mr. Nouman Ali (ADC Relief)	KHYBER	0345-1020651 0333-9164728	0345-1020651 0333-9164728	091-9211905-9211901 9211901	9211900 9211900
30	Mr. Hamza Zahoor Vacant (ADC Relief)	BAJAUR	0334-9192779	0334-9192779	0942-220558/9, 0942-220432 0942-220294	0942-220388 0942-220388
31	Mr. Sajjad Hussain Mr. Muhammad Qamar (ADC Relief)	MOHMAND	0333-9085688 0345-9336847	0333-9085688 0345-9336847	0924-290004 0924-290004	0924-290075 0924-290075
32	Mr. Amir Nawaz Mr. Naimat Ullah (ADC Relief)	KURRAM	0305-9528886 0332-1147111	0305-9528886 0345-9849988	0926-520399- 310599 0926-310599	0926-310520 0926-310520
33	Mr. Ijaz Akhtar Mr. Faheed Ullah (ADC Relief)	SOUTH WAZIRISTAN	0315-9282100 0334-8810907	0315-9282100 0334-8810907	0963- 512224 0963-510364/510386	0963-510442 0963-510442 (0965-210296/210748 WANA)
34	Mr. Shoukat Ali Mr. Muhammad Riaz	NORTH WAZIRISTAN	0333-5623859 0333-9760808	0333-5623859 0333-9760808	0928-21414 0928-300798	0928-21414 0928-300642/300600
35	Mr. Imtiaz Ali Mr. Zahid Usman Kakakhel (ADC Relief)	ORAKZAI	0336-9727777 0346-5660175	0336-9727777 0346-5660175	0925-650002 0925-690005	0925-690007

CHIEF ENGINEER (NORTH) IRRIGATION DEPARTMENT

District	Appointment	Office cell/Fax No	Resident	Civil
Peshawar	Chief Engineer (North)	091-9212123		
Peshawar	Superintending Engineer (H/Q)	091-9212113		
Peshawar	Technical Officer	091-9222719		
Peshawar	Deputy Director Design			
Peshawar	Canal Collector	091-9222819		0345-9320802
Peshawar	Superintendent (SWO)			
Mardan	Superintending Engineer		0937-9230194	
Mardan	Execuve Engineer		0937-9230195	
Mardan	SDO Mardan		0937-9230235	
Malakand	Execuve Engineer		0932-452049	
Malakand	SDO W/W		0932-452063	
Swat	Superintending Engineer		0946-9240164	0946-725437
Swat	Execuve Engineer		0946-9240165	0946-725437
Swat	SDO Matta		-	
Dir	Execuve Engineer		0945-9250068	
Dir	SDO Balambat		0945-9250110	
Dir	SDO, Dir Chakdara			

SWABI IRRIGATION CIRCLE

Swabi	Superintending Engineer	0938-224204
Swabi	Execuve Engineer	0938-530484
Swabi	SDO Shahbaz Garhi	0937-580590
Swabi	Executive Engineer	0938-221392
Swabi	SDO Pehur	0938-221392
Abbottabad	Executive Engineer	0992-9310247
Abbottabad	SDO Abbottabad	0992-9310247
Abbottabad	SDO Haripur	0995-319323
Abbottabad	SDO Kohistan	
Chitral	Executive Engineer	0943-412641
Chitral	Sub Division Officer	
Peshawar	Executive Engineer Mechanical	091-9212120

CHIEF ENGINEER (SOUTH) IRRIGATION DEPARTMENT

Dis:	Designation	Office cell/Fax No.	E-Mail
Peshawar	Chief Engineer (South)	9212116	chiefoffice@yahoo.com
-do-	Superintending Engineer, South (H/Q)	9212174	
-do-	Technical Officer	9212122	
-do-	Deputy Director (Planning)	9112119	
-do-	Deputy Director (Design)	9212119	
-do-	Canal Collector	9210659	
-do-	Administrative Officer	9212118	

EXECUTIVE ENGINEER, HYDROLOGY IRR: DIVN: PESHAWAR

Peshawar	Executive Engineer	9212114
-do-	SDO Irr: Sub Divn: Peshawar	9111907
Abbottabad	SDO Abbottabad	0922-9310354
Bannu	SDO Bannu	0928-9271997
Peshawar	Project Director	9222774
-do-	Project Manager	9222775

Peshawar	Project Director	922617055	
Peshawar	Deputy Director	-do-	
Peshawar	Assistant Engineer	-do-	
Peshawar	Assistant Engineer	-do-	
Peshawar	Assistant Engineer	-do-	
S.E Peshawar Irr: Circle Peshawar.			
		0919212115	
Peshawar Canals Divn: Peshawar			
Peshawar	Execuve Engineer	9210102	
-do-	SDO KRC	9210113	
-do-	SDO Civil Canal	9210102	
-do-	SDO Drainage	-	
-do-	Deputy	9212123	
Warsak Canal Division Peshawar			
Peshawar	Execuve Engineer	9212502	
-do-	SDO	9212502	
-do-	SDO	9212502	
-do-	SDO	9212502	
Tube Wells: Irr: Divn: Peshawar			
Peshawar	Execuve Engineer	9222731	
-do-	SDO T/W SDivn: Pesh:	9222731	
-do-	SDO T/W Pabbi	9222731	
Xen Charsadda Irr: Divn:			
Charsadda	XEN	6514641	charsaddairr@yahoo.com
-do-	SDO Charsadda	No PTCL	-do-
-do-	SDO Shabqadar	628144	
-do-	SDO Tangi	6181144	-do-
SE Bannu Irr: Circle Bannu			
Bannu	SE Bannu	0928-9270061	sebcbannu@gmail.com
-do-	XEN: Marwat Canal	0928-9270063	-do-
-do-	SDO Civil Canal	0928-9270063	-do-
-do-	SDO Sarai Nourang	0928-9270063	-do-
Bannu	XEN: Bannu Canal	0928-9270056	-do-
-do-	SDO Head Work	0928-9270056	-do-

-do-	SDO Jani Khel	0928-9270056	-do-
-do-	SDO Tajori	0928-9270056	-do-
Kohat	XEN: Kohat	0922-9260173	Kohat
-do-	SDO Tanda Dam	0922-9260173	-do-
-do-	SDO Project	0922-9260173	-do-
-do-	SDO Irr:S/Divn:	0922-9260173	-do-
	CRBC XEN:CRBC		
CRBC	XEN CRBC	0966-9280237	xencrbcirr@yahoo.com
CRBC	SDO	0966-9280113	CRBC
CRBC	SDO	0966-720074	CRBC
	DIKHAN XEN:FLOOD Irr: Division DIKhan		
D.I. Khan	XEN: Flood	0966-713303	xenflooddik@gmail.com
D.I. Khan	SDO	0966-713303	
D.I. Khan	SDO	0966-713303	
D.I. Khan	SDO	0966-713303	
	DI Khan XEN: Gomal Zam Irr: DIKhan		
D.I. Khan	XEN: Gomal Zam	0966-9280336	xengomalzamdik@gmail.com
D.I. Khan	SDO	0966-9280336	
D.I. Khan	SDO	09669280024	
D.I. Khan	SDO	0966-9280024	
	TELEPHONE DIRECTORY FLOOD SEASON 2022		
Peshawar	Chief Engineer (South) Irrigation Dept	0919212116	
Peshawar	Superintending Engineer (Head Quarter) South	0919212174	
Peshawar	Irrigation Circle Peshawar	0919212115	
DIKhan	Irrigation Circle DIKhan	09669280238	
DIKhan	Flood Irr: Division	0966713307	
Peshawar	CE (S) Irrigation Peshawar	0919212119	

CONTACT DETAILS OF PKHA

Name	Designation	Office	Cell Number
Engr: Ejaz Ahmad	Director-I	091-9213272	0300-5905767
Engr: Sohail Idrees	Director-II	091-9210963	0321-9045161
Engr: Adnan Khan	Director-III	091-9223541	0336-3640444
Engr: Shahab Ahmad	DD (HQ)	091-9213522	0333-9232969
Engr: Usman Shinwari	DD (Center)	091-9210444	0321-5212116
Engr: Muhammad Ayaz	DD (North) Swat	0946-9310543	0342-9110074
Engr: Mehdi Raza	DD (East) Abbottabad	0992-9310543	0345-9161775
Engr: Nouman Bashir	DD (RMU) Naguman	091-6224 397	0311-9262889
Engr: Waqas Ali Shah	DD (South) Kohat	091-9211469	0315-0091072
Engr: Waqas Ali Shah	DD (Merged Area) DIKhan	0966-9280340	0315-0091072

ADMINISTRATIVE SECRETRIES OF PROVINCIAL DEPARTMENTS

RELIEF REHABILITATION AND SETTLEMENT DEPARTMENT		Name	Designation	Telephone	Mobile/ Whatsapp No	Email
		Mr. Yousaf Rahim	Secretary	9212058	0300-8581100	
		Muhammad Asghar	Additional Secretary	9213250	0335-4110511	
S.No.	Department	Name and Designation	Telephone	Fax	Whatsapp	Email
1	Food Department	Capt. Mushtaq Ahmed (Secretary)	9225373	9225374	0321-5566640	fooddirectoratekpk@gmail.com
2	Health Department	Mr. Amir Sultan Tareen (Secretary)	9210342	9210419	0345-4080018	secretaryhealthkpk@gmail.com
3	Higher Education, Archives and Libraries Department.	Mr. Dawood Khan (Secretary)	9210337	9210368	0333-9107765	secyhed@yahoo.com
4	Home & Tribal Affairs Department.	Mr. Khushal Khan (Secretary)	9211121	9210201	0310-5816444	htanwfp@gmail.com
5	Information And Public Relations & Culture Department.	Mr. Zaka Ullah Khattak (Secretary)	9210365	9210387		
6	Irrigation And Power Department.	Mr. Muhammad Ayaz (Secretary)	9210845	9210874	0342-6668883	irrigaonpsh@gmail.com
7	Local Government, Election Rural Dev. Department	Mr. Zaheer Ul Islam (Secretary)	9211450	9210323	0300-9393989	secylgkp2013@gmail.com
8	Planning And Development Department	Mr. Shah Mahmood Khan (Secretary)	9210516	9211369	0300-4433468	secretary.kpkpnd@gmail.com
9	Population Welfare Department	Mr. Zia Ul Haq (Secretary)	9211535	9213466	0300-9086529	secretarypwdkp@gmail.com
10	Sports, Tourism and Museums Department	Mr. Tahir Orakzai (Secretary)	9212086	9212535	0301-8580908	secretarytourismkp@gmail.com
11	Zakat, Usher and Social Welfare & Women	Ms. Nasheeta Maryam Mohsin (Secretary)	9211931	9213238		secretaryzuswd@gmail.com
12	C&W Department	Engg. Ijaz Hussain Ansari	9210859	9223454	0334-8111555	cwd.gkp@gmail.com
13	Industry Department	Mr. Zulfqar Ali Shah (Secretary)	9210924	9210896	0345-6661111	

DISTRICT HEALTH OFFICERS IN KHYBER PAKHTUNKHWA

District	Contact / Office No.	Email
Abbottabad	09929310192	edohabd@yahoo.com
Bannu	09289270227	dhobabnnu311@yahoo.com
Battagram	0997310507	Fayyazshah1981@gmail.com
Bunner	0939510138	dhobunner@gmail.com
Charsada	9220159	dhochd01@gmail.com
Chitral Upper	03449734264	dhoChitralupper@gmail.com
Chitral Lower	00943412754	dhoChitral@gmail.com
D.I Khan	0966933199	dhodikhan@yahoo.com
Dir Upper	0944880808	Admn6066@gmail.com
Dir Lower	09459250098	dhodirlower@gmail.com
Hangu	0925623034	edohealthhangu@gmail.com
Haripur	0995353576	dhoharipur@yahoo.com
Karak	0927290537	dhokarak@gmail.com
Kohat	0922514100	dhokohat@gmail.com
Kohistan Upper	0998407132	Daniyaldhis@gmail.com
Kohistan Lower	03455001825	dhokohistanlower@gmail.com
Kohistan Kolai Palas	03456558057	dhoKhyber Pakhtunkhwak727@gmail.com
Lakki Marwat	0969510472	dholakki@yahoo.com
Malakand	0932410399	dhomalakand279@gmail.com
Mansehra	09974920169	edomra@yahoo.com
Mardan	09379230030	mardandho@gmail.com
Nowshera	0923580759	Nil
Peshawar	0919225388	dhispushawar@gmail.com
Shangla	0996850653	edoshahngla@gmail.com
Swabi	0938300053	edohealthswabi@yahoo.com
Swat	09469240139	edoh@gmail.com
Tank	0963510755	edohtank1@hotmail.com
North Waziristan	0928300788	drikramsafi1122@gmail.com

METEOROLOGICAL DEPARTMENT

Name	Designation	Office No.	Cell No.
Ms. Ghazala Qaiser	Director	091-9210190	0333-4465861
Mr. Alamzeb	Dy Director	091-5253508	0300-5683101
Mr. Muhammad Fahim Ahmad	Dy Director	091-9212410	0333-5224566
Mr. Gul Muhammad	Meteorologist	091-9212410	0346-9469392

STATIONS WISE FOCAL PERSON

Station	Focal Person	Office No.	Cell No.
Chitral	Mr. Noor Kamal	0943-412934	0348-9144316
	Mr. Manzoor Ahmad		0346-9892825
Timergara	Mr. Ishrat Abbas	0340-9497177	0333-9054716
	Mr. Nasir-u-Din		0300-9001159
Mirkhani	Mr. Fazl e Amin	0344-9705251	0344-9705251
		0345-2775009	
Kalam	Mr. Naveed Ali	0314-9746073	0321-9676079
		0943-480102	
Drosh	Mr. Abdullah	0346-9894150	0320-9016911
		0307-8522615	0307-8522615
		0313-9360963	0333-9196419
Saidu Sharif	Mr. Niaz Wali	0346-0507540	0346-0507540
		0345-9133583	0345-9133583
Pattan	Mr. Sulman Shah	0345-4236634	0345-9453861
Malamjabba	Mr. Said Zaman	0345-9453861	
Peshawar	Mr. Naseeb Khan	091-9210190	0333-9144902
		091-9210184	
Kakul	Mr. Suliman Khan	0334-8952195	0311-9400480
		0311-9400480	0345-9289757
Balakot	Mr. Zaheer Iqbal	0997-500699	0312-1850049 0300-8329916
Parachinar	Mr. Asghar Khan	0331-9160096	0331-9160096
		0302-9180998	
Bannu	Mr. Haji Khan	0332-9204376	0345-9834882
		0333-9966077	
		0345-9834882	
WSR Cherat	Mr. Mehtab Gul	0302-5771445	0302-5771445
		0312-2080880	
		0306-0240393	
Mardan Takht Bahi	Mr. Hassan Ali Shah	0937-545004	0333-9472011 0312-0768735
	Mr. Fayaz Khan	0937-545005	0311-8156846

ANNEXTURE I

FLOOD MITIGATION STRUCTURES IN KHYBER PAKHTUNKHWA

The Details of flood mitigation structures in Khyber Pakhtunkhwa are as following:

FLOOD MITIGATION STRUCTURES			
S. No	Name of District	Number of Structures	Type
1	Peshawar	91	Flood Protection Works
2	Nowshera	128	Flood Protection Works
3	Charsadda	64	7 No Spurs/57 No FPW
4	Kohat	15	Flood Protection Works
5	Karak	101	Flood Protection Works
6	Hangu	53	Flood Protection Works
7	Tank	5	Flood Protection Works
8	Lakki Marwat	3	Flood Protection Works
9	Bannu	40	21 No Spurs/19 FPW
10	D.I Khan	51	28 No Spurs/23 FPW
11	Mardan	44	Flood Protection Works
12	Swabi	107	1 No Spur/106 FPW
13	Malakand	21	Flood Protection Works
14	Kohistan	19	Flood Protection Works
15	Torghar	13	Flood Protection Works
16	Battagram	11	1 No Spur/10 FPW
17	Haripur	101	Flood Protection Works
18	Mansehra	59	21 No Spurs/19 FPW
19	Abbottabad	53	05 No Spurs/48 FPW
20	Swat	185	24 No Spurs/161 FPW
21	Dir (U/L)	60	21 No Spurs/39 FPW
22	Chitral	29	5 No Spurs/24 FPW
Total No of Structures: -		1253	

ANNEXTURE II

RESOURCE MAPPING OF RESCUE 1122 IN KHYBER PAKHTUNKHWA

DETAIL OF RESCUE STATIONS/HR COMPONENT / (RESCUE-1122), Khyber Pakhtunkhwa					
S. No.	District	No. of Rescue Stations	Station Location	No. of Staff	Covid Duty Staff
1	Abbottabad	05	i. Near GPO Chowk Old Palace Hotel District Nazim Office Abbottabad ii. Near I-NOOR Hospital Ayub Medical Complex Mandian Abbottabad iii. Havelian Rescue Station near TMA Office iv. Nawasher	137	17
2	Bajaur	02	i. Bajaur Munda Khar Near National Bank	141	16
3	Bannu	03	Sports Complex Bannu, City	179	18
4	Battagram	01	TMA Rest house , New DHQ Hospital	55	4
5	Buner	01	i. Tehsil Complex, Daggar	65	15
6	Charsadda	02	Main Tarnab Adda Charsadda. Main Mardan Road, Charsadda.	152	42
7	Chitral	02	TMA Office Jughoor Chitral TMA Office New Bazar, Drosh	83	27
8	D.I. Khan	05	Main Kachehri Road near AIOU Regional Centre Inside Cantt Near TMA Fire Brigade Office Near Bab-e-Dera Main Bannu Road Chashma Road	140	36
9	Dir Lower	01	Bachelor Hostel, Opposite Irrigation Office Blambat, Timergara	78	32
10	Dir Upper	02	School for Disables, Main City	106	19
11	Hangu	02	Tehsil Office Hangu Near AC Revenue Office TMO Office Tall	90	18
12	Haripur	02	Veterinary Hospital Opposite TMA Office Main G.T. Road Haripur THQ Hospital, Khanpur	79	24
13	Karak	02	Jail Chowk KDA Karak THQ Hospital Banda Daud Shah Karak	117	30

14	Khyber	02	Tehsil Complex, Jamrud Tehsil Complex, Bara	127	20
15	Kohat	05	TMA Office Near Liaqat Hospital, Kohat Tehsil Complex, Gumbat Kohat Development Authority(KDA) Eagle Forte, Sub-Division, Kohat	117	34
16	Kohistan Lower	01	THQ Hospital Patan Kohistan Lower.	31	9
17	Kohistan Upper	01	DHQ Hospital, near AC Colony, Dasu	58	9
18	Kurram	01	Parachinar, Fedral Hostel	73	3
19	Lakki Marwat	03	Lakki Town Ship, Tajazai opposite DC Office Main Lakki City	120	20
20	Malakand	02	Batkhela Malakand Dargai Malakand	100	39
21	Mansehra	01	Kashmir Road, Main Bazar Mansehra City	66	25
22	Mardan	08	Near Bacha Khan Medical Collage Sheikh Maltoon Town Mardan. Near Town Hall Collage Chowk Mardan. Near Baraf Khana Bypass Road Mardan Near Khan Qilla Swabi Road Mardan In Tehsil Takht Bhai. In Tehsil Katlang. In Type-D Hospital Rustam Irrigation Office Hathyan Bazaar. Main Swat-Mardan Road, Shergarh	517	16
23	Mohmand	02	Doctor Hostel, DHQ Hospital, Ghalanai	124	31
24	North Waziristan	01	Head Quarter Hospital Miran shah, North Waziristan	66	0
25	Nowshera	04	Dak Banglow near Shobra Chowk Nowshera Cantt. Assistant Commissioner Office Pabbi. Basic Health Unit, Shaidu Near Shaidu Stop Jehangira. University of Engineering Jalozai Campus Jalozai	240	24
26	Orakzai	01	Kalaya H/Q Orakzai	78	0

27	Peshawar	14	11 Station Lahore Bus Terminal G.T. Road Peshawar. 22 Near Faqir Abad Police Station Charsadda Bus Stand. 33 Kohati Gate Peshawar. 44 Kohat Road near City Hospital. 55 Tariq Road Peshawar Cantt. 66 University of Peshawar. 77 Near Hayatabad Medical Complex Hayatabad. 88 raggi Model Town, Peshawar. 99 BHU Warsak Road Peshawar. 10 Shah Alam Charsadda Road. 12 Sifat Ghayour Children Hospital G.T. Road 13 Peshawar Industrial Estate Hayatabad. 14 Irrigation Building, Badhber r. 15 FR Peshawar	610	51
28	Shangla	02	Tehsil Complex, Alpuri	112	22
29	South Waziristan	01	Agriculture park wana Waziristan	63	0
30	Swabi	03	Shah Mansor Tehsil Complex Jehngir Road Tehsil Complex Razar	152	34
30	Swat	07	Saidu Sharif Matta Swat Public Health Office, Bahrain Tehsil Complex, Kabal Tehsil Complex, Brikot DHQ Hospital, Khwaza Khela	259	55
31	Tank	03	11Opposite Nadra Office, Station road tank 22 Near FC.FORT civil Hospital	100	0
Total		92		4435	690

**STOCK OF SEARCH AND RESCUE, MEDICAL FIRST AID EMERGENCY RESPONSE EQUIPMENT OF RESCUE-1122 KHYBER
PAKHTUNKHWA**

District	Equipment	Quantity
Abbottabad	AMBULANCES	6
	FIRE VEHICLE	4
	WATER BOWSER	1
	RESCUE VEHICLE	1
	RECOVERY VEHICLE	1
	LIF SAVING JACKETS	20
	LIFE BOY	2
	BOAT WITH OBM	1
	DEWATERING PUMP	2
Bajaur	Rescue Boat	1
	OBM 25 HP	1
	DEWATERING PUMP	2
	Life Jackets	5
	Life Boy	2
	Rescue Vehicle	1
	Executor	1
Bannu	Rubber Boat	1
	ORS	4
	Foot Pump	1
	Life Jacket	3
	Dewatering Pump	1
	Life Boy	2
	Static Rope	1
	SCUBA Set	1
Batagram	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	5
	Life Jacket	6
	Water Proof Light	1
Buner	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	2
	Life Jacket	5
	Water Proof Light	1
Charssadda	Rescue Boats	05 (02 Robar and 03 Fiber)
	OBM	05(2=40hp, 1=25hp, 1=30hp and 1=55hp)

	Water Rescue Van	1
	Life Jackets	7
	Dewatering Pump	4
	Diving Suits	2
	SCUBA Sets	2
	Rescue Vehicles	1
	Recovery Vehicle	1
Chitral	Ambulance	3
	Fire Truck	3
	Rescue Vehicle	1
	Recovery Vehicle	1
	Water Bowser	1
	Excavator	1
	Water Rescue Unit	1
	Dewatering Pump Small	2
	Dewatering Pump Large	1
	OMB Machine	4
DI Khan	Water Rescue Van	01 No.
	Fire Rescue Boat	01 Medium + 01 Large
	Inflatable Rubber Boats	04 Medium
	OBM 48 HP	01 No.
	OBM 40 HP	02 No's
	OBM 30 HP	01 No.
	OBM 25 HP	02 No's
	Life Jackets	20 No's
	SCUBA Sets	03 No's
	Swimming Suits	02 No's
	Safety Line Ropes	03 Bundles + 04 Small Bundles
	Water Safety Ropes	02 No's
	Life Bouy (Plastic Tube)	06 No's
	Dewatering Pumps 30 HP	02 No's
Dir Lower	OBM(2=25hp, 2=40hp, 1=15hp)	5
	Fiber Glass Boat Double Ply	1
	Inflatable Rubber Rescue Boats	4
	Professional Water Rescue Life Jackets	11
	Inflatable Life Jackets	5
	SCUBA Set	3
	Water Rescue Vehicle	1
	Rescue Vehicle	1
	Diving Suits	2
	Dry Suits	2
	Life Boys	4
	Divers	2
	Ambulances	2

Dir Upper	Rubber Boat	1
	Foot Pump	1
	Life Jackets	4
	Life Boy	1
	Static Rope	2
	SCUBA Set	1
Hangu	Boats Inflatable	2
	OBM	3
	Life Jacket	10
	Life Boy Rubber Tube	6
Haripur	Ambulances	3
	Fire Vehicles	2
	Fire Water Bowser	1
	De Watering Pump	4
	Inflatable Boats	3
	Fiber Glass Water Boat	1
	OBM Machines	5
	Water Rescue Vehicles	1
	Rescue Vehicle	1
OBM Trained Staff	2	
Karak	Inflatable Boat	1
	Dewatering Pump	2
	Static Rope	1
	OBM Machine	1
	OBM Fuel Tank	1
	Life Jacket	7
	Life Boy	2
	Diver	1
	Foot Pump	1
	Life line	2
Khyber	Ambulance	2
	Mini Ambulance	1
	Fire Vehicles	2
	Water Bowser	1
	Rescue Vehicle	1
	Inflatable Boat	1
	OBM Machine	1
	Excavator	1
	Supporting Staff	4
Kohat	Dewatering	3
	Boat Inflatable	1
	OBM	1
	Life Jacket	18
	Life Boy Rubber Tubes	2

Kohistan Lower	Inflatable boat	1
	OBM	1
	Life jackets	5
	Diving suits	2
	Scuba sets	1
	Rescue vehicle	1
	Ambulances	2
	Fire vehicle	1
	Water bower	1
Kohistan Upper	Rescue Boat	1
	OBM 15 HP	1
	DEWATERING PUMP	1
	Life Jackets	6
	Life Boy	1
	Rescue Vehicle	1
Kuram	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	3
	Life Jacket	8
	Water Proof Light	1
Lakki Mrwat	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	4
	Life Jacket	8
	Water Proof Light	2
Mardan	Ambulance	15
	Fire Vehicle	9
	Recue Vehicle	5
	Fiber Glass Boots	04 Small, 05 Medium
	Dewatering Pumps	1
	OBM Machine	2
	Water Rescue Vehicles	1
	OBM Staff	5
Malakand	Trained Staff	80
	Ambulances	3
	Fire Vehicles	3
	Disaster Rescue Vehicles	1
	Hypo line Boat (Inflatable Small Boat)	1
	OBM (Small 25 Hp)	1
Mansehra	AMBULANCES	2

	FIRE VEHICLE	1
	WATER BOWSER	1
	RESCUE VEHICLE	1
	Life jackets	5
	Life Boy	2
	Life Line	3
	Inflatable Boat	1
	Diving Torch	1
	Oares	4
	Silk Rope	1
	OBM	1
	OBM Fuel Tank	1
	Sledge Sout	1
	Foot Pump	1
Muhmand	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	8
	Life Jacket	10
Nowshera	Rescue Boats	05 Large, 01 Medium, 01 Small
	OBM 55 OBM 40 HP OMB 25 HP OBM 15 HP	01 Nos 04 Nos /02 Nos / 01Nos
	Water Rescue Van	2
	Life Jacket	25
	SCUBA Sets	2
	Rescue Vehicle	1
	Dewatering Pump	8
North Waziristan	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	2
	Life Jacket	5
	Water Proof Light	1
Orakzai	Rescue Vehicle	1
	Boat	1
	SCUBA Set	2
	OBM 15 hp	2
	Life Boy	4
	Life Jacket	9
	Water Proof Light	2
Peshawar	Rescue Boats	05 Small,
		05 Medium,
		05 Large.

	OBM 75 HP, 40 HP, 25 HP	02 Nos
		05 Nos
		03 Nos
	Water Rescue Van	2
	Life Jackets	250
	De-watering Pump	03 Large 05 Small
	SCUBA sets	03 with all accessories
	Rescue Vehicles	02 Fully equipped
	Excavators	01 Nos
Recovery Vehicle	02 Nos	
Shangla	Ambulance	2
	Fire Vehicle	1
	Rescue Vehicle	1
	D-water pump	1
	Life jackets	10
	Life Boy	2
Swat	Ambulance	11
	Health Departments Ambulance	3
	Fire Vehicles	9
	Rescue Vehicles	1
	Recovery Vehicle	1
	Crane	1
	Excavator	1
	Water Rescue Van	1
	Fiber Boat	1
	Inflatable Boats	2
	Local Boats	2
	Dewatering Pumps	4
	Life Jackets	20
	Scuba Sets	3
	OMB Machine	4
OBM Machine (40 Horse Power)	3	
OBM Machine (25 Hours Power)	1	

Swabi	Ambulances	5
	Fire Vehicles	3
	Water Bowser	1
	Rescue Vehicle	1
	Water Rescue Vehicle	1
	Dewatering Pump	2
	OBM Machine	4
	Fiber Galas Boat	1
	Rubber Boat	4
South Waziristan	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	2
	Life Jacket	5
Tank	Rescue Vehicle	1
	Boat	1
	SCUBA Set	1
	OBM 15 hp	2
	Life Boy	5
	Life Jacket	5
	Water Proof Light	3

ANNEXTURE III

PAKHTUNKHWA HIGHWAYS AUTHORITY (PKHA)

Pakhtunkhwa Highways Authority manages highways having total length of 2936 km.

Provincial Highways			
S#	H/Way	Name of Highway	Length (KM)
1	S-1	Peshawar- Charsadda- Mardan- Swabi- Topi- Ghazi- Sarikot- Panian- Haripur- Hattar- Taxila	194
2	S-1 A	Naguman- Shabqadar- Pir Qilla	17
3	S-1 B	Mardan eastern and western bypass	33.60
4	S-1 C	Adina- Yar Hussain- Lahore District Swabi	25
5	S-1 D	Sarikot- Gudwalian Road	8
6	S-2	Chitral- Mastuj- Shandur District Chitral	172
7	S-3	Batkheela- Khaar- Dheri- Jhulagram- Totakan- Qulangi- Agra- Kot- Dargai	90
8	S-3-A	Qulangi Japan Bridge to Bandagai District Dir Lower	26
9	S-3-B	Chakdara- Shamoza- Kabal- Kanju- Matta- Bagh Dheri	80
10	S-4	Timer Gera- Munda- Khaar- Nawagai- Ghalanai- Pir Qilla- Peshawar	169
11	S-4 A	Munda- Samarbagh- Shahi- Chukiatan	97
12	S-4 B	Timergera- Maidan- Kalpani- Barawal	53
13	S-5	Maqsood- Lora- Ghora Gali- Barian- Natiagali- Abbottabad	117
14	S-5 A	Kuza Gali- Ayubia- Khan spur	6.15
15	S-5 B	Sarai Salih- Serian village via Rehana	12
16	S-5 C	Kohala- Pir Sohawa- Islamabad	20
17	S-5-D	Ternawa Koahala Bala Road District Haripur	35
18	S-5 E	Rehana- Mang	16
19	S-6	Swabi- Jehngire- Khairabad- Nizampur- Khushalgarh road Junction	123
20	S-6 A	Nowshera- Manki- Nizampur	35
21	S-7	Kohat- Hangu- Thal- Chapari- Parachinar	194
22	S-8	Thall- Mirali- Isha- Razmak- Khirgi- Tank- DI Khan- Darya Khan	335
23	S-8 A	Giloti- Hatala- Kulachi- Mastan	66
24	S-9	Nowshera- Charsadda- Umerzai- Harichand- Shergarh	73
25	S-9 A	Takht Bhie- Rajjar	22
26	S-9 B	Umerzai to Tangi Tehsil Head Quarter	12
27	S-10	Shahbazgarha- Rustam- Ambila- Daggar- Karakar- Barikot	103
28	S-10 A	Swerai- Dewana Baba- Batar- Sarqilla- Chowga to puran District Shangla	65
29	S-11	Tajazai- Lakki- Daratang- Chashma- DI Khan	155
30	S-11 A	Indus Highway- Bannu Township- Bannu City	36
31	S-11 B	Indus Highway to Lakki Town Via Manjiwala- Pakharkhel	19
32	S-12	Mansehra- Darband- Chapar- Haripur	167
33	S-12 A	Haripur Bypass Road	25
34	S-13	Karak- Sabir Abad- Shakar Dara- Karapa	76
35	S-13 A	Amberi Killi to Abassi Banda	35
36	S-14	Risalpur to Jehngire via pir sabaq – Mistre banda with a link to akora Khattak and Mardan Ring road via Moterway wali Interchange	50
37	MWKhyber Pakhtunkhwa- 1	Swat Expressway	81
38	S-15	Manglawar- Malamjabba- District Swat	35
39	S-16	Chukiatan- Sheringal- Patrak	35
40	S-17	Matta- Fazil Banda	23
Total Length			2936

VULNERABLE BREACHING POINTS OF PKHA ROADS

S#	List of Roads / Bridges	Location	Officer Incharge	Nature of Damage
1	Budni Bridge	Km 2 (S-1)	DD (Center)	Road over topped by flood water near Budhni Bridge. The right carriage way was washed away while mud slurry, stone debris and wood planks are staked on left carriage way by flood water.
2	Sardaryab-Khayali-Charsadda Section	Km 22-30 (S-1)	DD (Center)	Road over topped by flood water near Sardaryab to Khyali Bridge. Also 200 feet approach of Khyali Bridge towards Peshawar side was washed away by the heavy flood in River Swat
3	Charra Bridge	S-1 Naguman-Charsadda	DD (Center)	Approaches washed away
4	Michni (New Bridge)	S-4	DD (Center)	Approach towards Michini side was scoured and protection work damaged
5	Michni (old Bridge)	Km 21 (S-4)	DD (Center)	Scouring at the abutments was absorbed
6	Pir Bala-Mathra Section near Almasah Town	Km 7-14 (S-4)	DD (Center)	Road over topped by flood water in various reaches and down-stream shoulder washed away.
7	Jehangira Bridge	S-6 (Swabi - Jehangira Km 2)	DD (Center)	Approaches of the bridge were totally damaged/washed away upto 70 m
8	Manki Bridge	S-6 (Swabi - Jehangira Km 18)	DD (Center)	Protection work damaged
9	Panjpir Bridge	S-6 (Swabi - Jehangira Km 28)	DD (Center)	Protection work damaged
10	Kala Bridge	S-6 (Swabi - Jehangira Km 30)	DD (Center)	Protection work damaged
11	KM 2, L/S Swabi - Topi	S-1 (Topi - Gadoon)	DD (Center)	Road surface overtopped and shoulders damaged
12	KM 2, R/S Swabi – Topi	S-1 (Topi - Gadoon)	DD (Center)	Road surface overtopped and shoulders damaged
13	Sherbaz Banda Bridge Swabi - Topi	S-1 (Topi - Gadoon)	DD (Center)	Scouring around the abutment was absorbed
14	Baja Bridge, KM -9 Swabi - Topi	S-1 (Topi - Gadoon)	DD (Center)	Approach damaged

15	Baja Bypass Bridge KM-10, Swabi Topi	S-1 (Topi - Gadoon)	DD (Center)	Approach damaged
16	Bada Bridge Swabi - Topi	S-1 (Topi - Gadoon)	DD (Center)	A span of bridge settled down
17	Himlit Canal Bridge Swabi - Topi	S-1 (Topi - Gadoon)	DD (Center)	Approach of the bridge overtopped
18	Kalpani Bridge on Mardan Eastern Bypass Road	Km 4 (S-1-B)	DD (Center)	Approaches damaged
19	Jehangira Bridge	Km 30 (S-6)	DD (Center)	Swabi side approach washed away
20	Nowshera-Nisatta- Charsadda Road	S-9	DD (Center)	Road over topped by flood water from km 1 to 9 and downstream shoulder washed away.
21	Hajizai Bridge	Naguman- Shabqadar Road (S-1-A)	DD (RMU)	Approach road overtopped and Peshawar side approach was disconnected
22	Dera Darya Khan Bridge	S-8 (D.I.Khan)	DD (South)	Pile caps shows cracks
31	Khazana Bypass Road / Bridge	S-4 (Timergara)	DD (North)	Bridge damaged
32	Mingora Bypass Road (6 kms)	District Swat	DD (North)	Overtopped on 2km near river swat
33	Swari-Dewana Baba- Puran Road	S-10-A	DD (North)	Land Sliding
34	Samar Bagh-Shahi Road	S-4-A (Dir)	DD (North)	Land Sliding
35	Ambella Daggar Karakar Barikot Road (KM 85)	S-10	DD (North)	Slides on 400m length on karakar top.
36	Batkhela – Totakan Section i/c 3 Bridges	Km 8-20	DD (North)	Road overtopped and slides occurred on road crust
37	Haripur-Darban- Chappar Road	S-12 (Km 10-60)	DD (East)	Land Sliding
38	Barrian - Nathiagali - Abbottabad Road (57.50 Km)		DD (East)	Land Sliding
39	Maqsood-Lora-Gora Gali-Barian-Nathiagali- Abbottabad Road i/c Link road to Ayubia	S-5 and S-5-A (District Haripur/ Abbottabad)	DD (East)	Land Sliding

ANNEXTURE IV

VULNERABILITY ASSESSMENT OF IRRIGATION INFRASTRUCTURE

Districts	Rivers/ Nullas/ Torrents	Length in KM	Vulnerable UCs	At Risk Population
Charsadda	kabul, Adezai, Khiali, Jindi, Hisara, Dab, Shobla	111.87	24	527,434
Chitral	30 torrents, 1 River	714	15	252,000
DI Khan	Drain 1-23, Indus, FCC (leni, Khud warkai, Velhari, Gajistan, Sheerana, Amak),	335	15	641,000
Dir Lower	57 torrents, 2 Rivers	91	10	315,896
Kohistan	Goshali, Dassu, Harban, Kaindia, Seo, Pattan, Keyal, Dubair, Ranolia, Sherakot, Sheryal, Musha, Kolay	117.5	19	245,735
Mardan	Kalpani	57	5	360,108
Nowshera	Kabul, Bara, Naguman, Adezai, Shahibala, Garandai, Takhtabeg, Dallas, Chilla, Daggai, Khudrezai, Chinkar, Shahalam, Budni, Sufaid Sang, Spair sang, Nasirbagh, Malakandair, Janai, Talaband, Marizang, Uch and Arando, Jalazai, Pirpai, Jani	721	28	450,584
Peshawar	Kabul, Bara, Naguman, Adezai, Shahibala, Garandai, Takhtabeg, Dallas, Chilla, Daggai, Khudrezai, Chinkar, Shahalam, Budni, Sufaid Sang, Spair sang, Nasirbagh, Malakandair, Janai, Talaband, Marizang, Uch and Arando, Jalazai, Pirpai, Jani		24	858,098
Swat	Jambil, Murghazar, Mingora, Haroonai, Banwai, Manglore, Khwazakhela, Chailmadiyan, Darral, Mankial, Maidan, Shin, Sulathan, Shwar, Sarsainai, Shamoza, Puranetai, Chakaisar, Swar	468.5	40	1,015,198

ANNEXTURE V

MINIMUM STANDARDS (PROVISION OF RELIEF)

STANDARD NFI KIT (PER FAMILY)		
1	Tents*	1 per each HH
2	Plastic Sheets*	1 per each HH
3	Blankets*	2 per each HH
4	Tarpaulin*	1 per 10 people
5	Kitchen Set	1 per each HH
6	Hygiene Kits	1 per each HH
7	Jerry Cans	2 per each HH
8	Buckets	2 per each HH
9	Stoves	1 per each HH
10	Drinking Water Population	No. of HH x 6
(*approx. 1/3rd of affected population expected to live in camps)		

STANDARD FOOD PACKAGE (PER FAMILY)

S No	Name of Item	Quantity
1	Wheat Flour	40 kg
2	Matches	4 Nos
3	Rice (Sella No 1)	5 kg
4	Dry Milk Factory Pack	910 Gm
5	Ghee	3 kg
6	Sugar in Pack	3 kg
7	Dall Channa (Packed)	2 kg
8	Dal Mong (Washed)	1 kg
9	Dal Masoor	1 kg
10	Chili Powder	200 Gm
11	Iodized Salt	800 Gm
12	Mineral Water (Nestle)	10 Bottles
13	Tea	476 Gm

STANDARD HYGIENIC KIT/ DIGNITY KIT FOR WOMEN

S.No	Item Description	Quantity	Size
1	Soap (Anti-bacterial)	30 Bars	115 gms each
2	Towel	2	115 x 69 cm
3	Laundry Soap	4 Bars	250 gms
4	Bucket (preferably with lid)	1	20 liters
5	Soap Case	1	
6	Lota	1	Medium Size
7	Mug with handle	1	1 liter
8	Mosquito Net	2	
9	Sanitary Cloth (Dark Color)	5 Pieces	1.5 Meter each
10	Nail Cutter	1 Piece	2.75" (preferred)
11	Combs	2 Pieces	7"
12	Lice Comb	1 Piece	Medium Size

SHELTER SPECIFICATION

S- No	Item	Specification
1	Tents	Size 4 x 5 meter, Double Ply Single fold, water proof, rot proof, central height: 2.20 meter, Wall Height 0.90 meter, Upper Ply PVC coated cloth on both sides (450 GSM), Lower Ply cotton canvas 450 GSM, color natural white not dyed, Plastic Ground Sheet of 4.5 x 5.5 meter, 2 doors, 1 window and 1 ventilator on each side of wall, Iron poles and pillars of 18 gauge pipe with all accessories, Shipping Weight 75 KG approx., Packing (tent poles and Accessories in 1 bundle). ISO 9001 certified. The words, "PDMA Khyber Pakhtunkhwa" with its official logo must be indelibly printed with green color on both sides at the middle for maximum visibility having size of 1x2 meter.

NON-FOOD ITEMS SPECIFICATION

S-No	Items	Specification
1	Plastic Mat	8x10 feet (nylon carpet), multicolor, weight 4 KG
2	Bucket	20 liters, plastic made, local good quality
3	Jerry Cans	White color, food graded, 10 liters, local plastic made 12x9 feet, A grade
4	Kitchen Set	6 pieces each, bowl, spoon, mug local made (steel)
5	Mosquito Net	Good Quality (single bed size)

ANNEXTURE VI IDENTIFIED CAMP SITES IN ALL DISTRICTS OF KHYBER PAKHTUNKHWA

Division	District	Tehsil	Evacuation Center and its details	Location	Coordinates
Mardan	Mardan	Mardan	1. Govt Post Graduate College Mardan i. Open space = 90 Kanal ii. Rooms = 60 iii. Tents capacity = 1,700 iv. No. of people to be accommodated = 8,800	College Chowk Mardan. Nowshera Mardan Road	34.19125 72.03606
			2. Military Dairy Farm Mardan i. Open space = 1600 Kanal ii. Rooms = 20 iii. Tents capacity = 7,500 iv. No. of people to be accommodated = 3,000	Mardan Charsadda Road	34.19535 71.98712
			3. Govt Degree College, Toru i. Open Space = 80 Kanal ii. Rooms = 30 iii. Tent Capacity = 1,500 iv. No. of people to be accommodated = 7,650	Toru Marhathi Banda Road, Toru	34.11997 72.09988
		Katlang	1. Govt Degree College for Girls, Sawaldher, Katlang i. Open space = 40 Kanal ii. Rooms = 35 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,000	Rustam Katlang, Road	34.301848 72.093871
			2. Govt Degree College Katlang i. Open space = 80 Kanal ii. Rooms = 40 iii. Tents capacity = 1,500 iv. No. of people to be accommodated = 7,700	Katlang Mardan Road, Katlang	34.37025 72.07968
		Rustam	1. Sports Complex, Rustam. i. Open space = 50 Kanal ii. Tents capacity = 9,00 iii. No. of people to be accommodated = 4,500	Bunner Rustam Road, Rustam	34.33168 72.30352
			2. Govt Girls Degree College, Rustam i. Open space = 08 Kanal ii. Rooms = 60 iii. Tents capacity = 220	Rustam Mardan Road, Rustam	34.32953 72.2513

			iv.} No. of people to be accommodated = 1,100		
			3. Govt Degree College Khair Abad, Rustam i.} Open space = 30 Kanal ii.} Rooms = 60 iii.} Tents capacity = 600 iv.} No. of people to be accommodated = 3,300	Rustam Mardan Road, Khair Abad	34.286009 72.213121
	Takhtbhai		1.} Govt Degree College, Takhtbhai i.} Open space = 80 Kanal ii.} Rooms = 20 iii.} Tents capacity = 1500 iv.} No. of people to be accommodated = 7,600	Charsadda Takhtbhai Road, Takhtbhai	34.27304 71.92964
			2.} Govt Degree College, Lund Khwar i.} Open space = 30 Kanal ii.} Rooms = 35 iii.} Tents capacity = 600 iv.} No. of people to be accommodated = 3,175	Lund Khwar Shergarh Road, Lund Khwar	34.3903 71.96891
			3.} Govt Higher Secondary School, Hathian i.} Open space = 25 Kanal ii.} Rooms = 30 iii.} Tents capacity = 450 iv.} No. of people to be accommodated = 2,500	Shergarh Hathian Road, Hathian	34.38228 71.92217
Swabi	Topi		1.} Govt High School, Topi i.} Open space = 15 Kanal ii.} Rooms = 16 iii.} Tents capacity = 250 iv.} No. of people to be accommodated = 1,330	Zaida Topi Road Topi	34.07449 72.62218
			2.} Govt Girls Degree College Topi i.} Open space = 20 Kanal ii.} Rooms = 20 iii.} Tents capacity = 360 iv.} No. of people to be accommodated = 1,900	Zaida Road Marghuz	34.065710 72.523241
	Lahore		1.} University of Swabi i.} Open space = 100 Kanal ii.} Tents capacity = 1800 iii.} No. of people to be accommodated = 9000	University Road	34.056777 72.409305
			2.} Govt Degree College, Lahor	Swabi Jehangira Road	34.021343 72.348042

			i.] Open space = 35 Kanal ii.] Tents capacity = 620 iii.] Rooms = 24 iv.] No. of people to be accommodated = 3,220			
	Razzar		1.] Govt Degree College Yar Hussain i.] Open space = 40 Kanal ii.] Rooms = 20 iii.] Tents capacity = 750 iv.] No. of people to be accommodated = 3,850 2.] Govt. Degree College, Shewa i.] Open space = 20 Kanal ii.] Rooms = 25 iii.] Tents capacity = 380 iv.] No. of people to be accommodated = 2,025	Swabi Mardan Road	34.125028 72.294250	34.246309 72.334680
	Swabi		1.] Govt Polytechnic Institute Shahmansoor, i.] Open space = 30 Kanal ii.] Rooms = 22 iii.] Tents capacity = 550 iv.] No. of people to be accommodated = 2,860 2.] Baja Sports Complex i.] Open space = 80 Kanal ii.] Tents capacity = 1500 iii.] No. of people to be accommodated = 7,500	Swabi Jehangira Road	34.076081 72.464137	34.127054 72.520106
South Waziristan	Ladha		1.] Govt Degree College, Ladha. i.] Open space = 40 Kanal ii.] Rooms = 35 iii.] Tents capacity = 750 iv.] No. of people to be accommodated = 3,950	Makin Wana Road, Ladha	32.564711 69.830999	
	Sarwakai		1.] Moola Khan Surai Hospital, Sarwakai i.] Open space = 35 Kanal ii.] Rooms = 25 iii.] Tents capacity = 620 iv.] No. of people to be accommodated = 3,225 2.] Makin Cricket Ground	Jandola Wana Road, Sarwakai	32.286083 69.923028	32.63403 69.83988

D.I.Khan				i. Open space = 70 Kanal ii. Tents capacity = 1400 iii. No. of people to be accommodated = 7,000		
	Wana			1. Wana Cricket Stadium & Adjacent Area i. Open space= 70 Kanal ii. Tents capacity = 1,300 iii. No. of people to be accommodated = 6,500	Makin Road, Wana	32.308944 69.571285
D.I.Khan	Tank			1. Govt Higher Secondary School, Gomal Bazar i. Open space = 13 Kanal ii. Rooms = 23 iii. Tents capacity = 220 iv. No. of people to be accommodated = 1,215	Gomal Tank Road, Gomal	32.122580 70.154981
				2. Govt Degree College, Tank i. Open space = 60 Kanal ii. Rooms = 30 iii. Tents capacity = 1100 iv. No. of people to be accommodated = 5,650	Tank D.I.Khan Road	32.21194 70.39487
				3. Muhajir Camp near Army Fort i. Open space = 1500 Kanal ii. Tents capacity = 26,000 iii. No. of people to be accommodated = 130,000	Tank South Waziristan Road	32.140907 70.222592
				4. Jehaz Ground Tank City i. Open space = 750 Kanal ii. Tents capacity = 14,000 iii. No. of people to be accommodated = 70,000	D.I.Khan Tank Raod	32.20277 70.39624
D.I.Khan				1. Sports Complex D.I.Khan i. Open space = 335 Kanal ii. Tents capacity = 6,700 iii. No. of people to be accommodated = 33,500	Bannu Road D.I.Khan	31.87098 70.89312
				2. Gomal Medical College Ground: i. Open space = 75 Kanal ii. Tents capacity = 1,500 iii. No. of people to be accommodated = 7,500	Drabin Road D.I.Khan	31.814114 70.821433
				1. Sports Stadium Kulachi i. Open space = 50 Kanal ii. Tents capacity = 1,000	Kachri near Kulachi D.I.Khan Road	31.92274 70.46581

			iii.] No. of people to be accommodated = 5,000			
	Parao		1. Sports Stadium Parao i.] Open space = 40 Kanal ii.] Tents capacity = 800 iii.] No. of people to be accommodated = 4,000		Indus High Way Parao	31.56445 70.76735
	Paharpur		1. Govt: Degree College, Paharpur i.] Open space = 35 Kanal ii.] Rooms = 22 iii.] Tents capacity = 700 iv.] No. of people to be accommodated = 3,610		Pahar Pur D.I.Khan Road	32.106317 70.977296
Peshawar	Peshawar		1. Govt Girls Degree College, Chagharmatti i.] Open space = 40 Kanal ii.] Rooms = 44 iii.] Tents capacity = 1,800 iv.] No. of people to be accommodated = 3,970		Landi Sarak Charsadda Road	34.12288 71.51359
			1. Govt Degree College Naguman i.] Open space = 10 Kanal ii.] Rooms = 50 iii.] Tents capacity = 200 iv.] No. of people to be accommodated = 1,250		Naguman Charsadda Road	34.12216 71.60032
			1. Zamung Kor i.] Open space = 10 Kanal ii.] Rooms = 126 iii.] Tents capacity = 200 iv.] No. of people to be accommodated = 1,630		Khazana Charsadda Road	34.07386 71.59314
	Halimzai		1. Govt Higher Secondary School, Ghalanai i.] Open space = 120 Kanal ii.] Rooms = 25 iii.] Tents capacity = 1,100 iv.] No. of people to be accommodated = 5,625		Colony Road Ghalanai Head Quarter	34.32006 71.41226
	Mohmand		2. Sports Complex Ghalanai i.] Open space = 70 Kanal ii.] Tents capacity = 1,350 iii.] No. of people to be accommodated = 6,750		Main Bajaur Mohmand Road, Ghalanai	34.32299 71.40303
			3. Govt Degree College Chanda i.] Open space = 35 Kanal ii.] Rooms = 60 iii.] Tents capacity = 620 iv.] No. of people to be accommodated = 3,400		Dawat Kor Road Chanda Ghalanai	34.33551 71.3923

		Ekka Gund	<p>1. Govt: Degree College, Ekka Gund</p> <ul style="list-style-type: none"> i. Open space = 200 Kanal ii. Rooms = 100 iii. Tents capacity = 3,700 iv. No. of people to be accommodated = 19,000 	Shabqadar Road Ekka Gund	34.24271 71.49342
		Safi	<p>1. Govt Degree College, Lakaro</p> <ul style="list-style-type: none"> i. Open space = 20 Kanal ii. Rooms = 15 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,075 	Bajaur Mohmand Road Lakaro	34.55324 71.26132
			<p>2. Tehsil Headquarter Hospital, Mamad Gut</p> <ul style="list-style-type: none"> i. Open Space = 80 Kanal ii. Spare Rooms = 30 iii. Tent Capacity = 1,500 iv. No of people to be accommodated = 7,650 	Mamad Gut Chamar kand Road	34.625900 71.262285
Khyber	Bara	<p>1. Govt Degree College, Kohi Sher Haider</p> <ul style="list-style-type: none"> i. Open space = 50 Kanal ii. Rooms = 30 iii. Tents capacity = 950 iv. No. of people to be accommodated = 4,900 	Tera Bara Road	33.903870 71.353279	
		<p>2. Govt Girls Higher Secondary School, Kalanda, Aka Khel</p> <ul style="list-style-type: none"> i. Open space = 40 Kanal ii. Rooms = 23 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,115 	FR road Bara	33.904549 71.460577	
		Jamrud	<p>1. Jamrud Cricket Ground</p> <ul style="list-style-type: none"> i. Open space = 80 Kanal ii. Tents capacity = 1,600 iii. No. of people to be accommodated = 8,000 	Peshawar Jamrud Road	33.999775 71.382954
		Landi Kotal	<p>1. Govt Degree College, Landi Kotal & Adjacent Rehman Baba Tomb Ground</p> <ul style="list-style-type: none"> i. Open Space = 500 Kanal ii. Rooms = 20 iii. Tents Capacity = 10,000 iv. No of People to be accommodated = 47,500 	Peshawar Landi Kotal Road	34.103898 71.159552
		Charsadda	<p>1. Govt Post Graduate College Charsadda</p> <ul style="list-style-type: none"> i. Open space = 90 Kanal ii. Rooms = 44 iii. Tents capacity = 1,800 iv. No. of people to be accommodated = 9,220 	Prang Road Charsadda	34.143814 71.739163

		Shabqadar	1. Govt Degree College Shabqadar i. Open space = 30 Kanal ii. Rooms = 22 iii. Tents capacity = 600 iv. No. of people to be accommodated = 3,110	Battagram Road, Shabqadar	34.218736 71.584472
		Tangi	1. Govt Degree College, Tangi i. Open space = 90 Kanal ii. Rooms = 57 iii. Tents capacity = 1,800 iv. No. of people to be accommodated = 9,285	College Road Tangi	34.320172 71.648430
	Nowshera	Pabbi	1. University Of Engineering & Technology, Jalozai Campus i. Open space = 2,500 Kanal ii. Tents capacity = 40,000 iii. No. of people to be accommodated = 250,000	Cherat Road Jalozai	33.91949 71.80545
		Nowshera	1. Government Technical College i. Open space = 50 Kanal ii. Rooms = 100 iii. Tents capacity = 1,000 iv. No. of people to be accommodated = 5,500	Nowshera Mardan Road	34.034454 71.99973
			2. Benazir Complex, Risalpur i. Open space = 150 Kanal ii. Rooms = 20 iii. Tents capacity = 3,000 iv. No. of people to be accommodated = 15,100	Bara Banda link Road Risalpur, Nowshera.	34.059526 72.012031
		Jehangira	1. Govt: High School, Khairabad i. Open space = 40 Kanal ii. Rooms = 33 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,165	Nizam Pur Road Khairabad	33.895717 72.228595
			2. Govt. Commerce College, Manki Sharif i. Open space = 45 Kanal	Manki Sharif Nowshera Road	33.961060 71.975983

Bannu	Lakki Marwat	Lakki Marwat	ii. Rooms = 25 iii. Tents capacity = 900 iv. No. of people to be accommodated = 4,635	Kacheri Road, Lakki City	32.61053 70.90768
			1. Govt High Centennial Model School i. Open space = 12 Kanal ii. Rooms = 46 iii. Tents capacity = 200 iv. No. of people to be accommodated = 1,230		
			2. Govt Post Graduate College, Lakki i. Open space = 110 Kanal ii. Rooms = 100 iii. Tents capacity = 1,600 iv. No. of people to be accommodated = 10,500	Mian Wali Road, Lakki City	32.61372 70.89413
			3. Govt Degree College Landiwah i. Open space = 30 Kanal ii. Tents capacity = 600 iii. Rooms = 30 iv. No. of people to be accommodated = 3,150	LandiWah Indus HighWay Link Road	32.73333 70.98836
			4. Govt Higher Secondary School, Landiwah i. Open space = 18 Kanal ii. Tents capacity = 200 iii. Rooms = 30 iv. No. of people to be accommodated = 1,150	LandiWah Indus HighWay Link Road	32.74841 70.97102
		Sarai Naurang	1. Govt Degree College, Sarai Naurang i. Open space = 40 Kanal ii. Rooms = 35 iii. Tents capacity = 750 iv. No. of people to be accommodated = 3,925	Bannu Naurang Road	32.8306 70.78057
		Miranshah	1. Govt Post Graduate College, Miranshah i. Open space = 100 Kanal ii. Rooms = 70 iii. Tents capacity = 950 iv. No. of people to be accommodated = 5,100	Mir Ali Miranshah Road, Miranshah	33.001205 70.074840
	North Waziristan	Datta Khel	1. Datta Khel Camp Near Newly Constructed Tehsil Building i. Open space = 3000 Kanal	Miran Shah Datta Khel Road, Datta Khel	32.907248 69.760346

			ii.] Tents capacity = 55,000 iii.] No. of people to be accommodated = 275,000		
	Mir Ali		1.] Govt Degree and Elementary Teachers Training College, Mir Ali i.] Open space = 50 Kanal ii.] Tents capacity = 1,000 iii.] No. of people to be accommodated = 5,000	Bannu Miranshah Road, Mirali	32.951552 70.322252
	Bannu		1. Bannu Sugar Mill i.] Open space = 150 Kanal ii.] Halls = 04 iii.] Tents capacity = 3,000 iv.] No. of people to be accommodated = 15,800	Bannu-D.I.Khan Road	32.84569 70.76472
	Domain		1. Kashu Bridge i.] Open space = 1,000 Kanal ii.] Tents capacity = 20,000 iii.] No. of people to be accommodated = 100,000	Indus High Way Bannu Link Road	32.9784 70.8336
			2. Govt Degree College. Landi Jalandar i.] Open space = 1,000 Kanal ii.] Rooms = 42 iii.] Tents capacity = 20,000 iv.] No. of people to be accommodated = 100,210	Peshawar D.I.Khan Road	32.88116 70.91374

				3. Govt: Degree College Spina Tangi i.) Open space = 200 Kanal ii.) Rooms = 65 iii.) Tents capacity = 4,000 iv.) No. of people to be accommodated = 20,325	Kohat Bannu Road	33.05772 70.80053
			Baka Khel	1.) TDP Camp Baka Khel i.) Open space = 1,600 Kanal ii.) Tents capacity = 32,000 iii.) No. of people to be accommodated = 160,000	Miranshah Road Baka Khel	32.97487 70.47219
Malakand	Bajaur		Khar	1.) Sports Complex, Khar i.) Open space =98 Kanal ii.) Rooms = 10 iii.) Tents capacity = 1,900 iv.) No. of people to be accommodated = 9,550	Nawagai Khar Road, Khar	34.72582 71.49406
				2.) Govt: Degree College, Khar i.) Open space =80 Kanal ii.) Rooms =80 iii.) Tents capacity = 1,520 iv.) No. of people to be accommodated = 8,000	Munda Khar Road Khar	34.75505 71.54561
			Nawagai	1.) Govt Degree College, Nawagai i.) Open space = 200 Kanal ii.) Rooms =47 iii.) Tents capacity = 3,600 iv.) No. of people to be accommodated = 20,035	Mohmand Nawagai Road, Nawagai	34.685134 71.338884
			Mamund	1.) Govt Degree College Bar khalozai i.) Open space = 80 Kanal ii.) Rooms = 20 iii.) Tents capacity = 1,500 iv.) No. of people to be accommodated = 7,600	Khar Mamund Road, Mamund	34.790209 71.404696
				2.) Govt: high School, Bar Kaloza i.) Open space =60 Kanal ii.) Rooms = 15 iii.) Tents capacity = 1,100 iv.) No. of people to be accommodated = 5,575	Khar Mamund Road, Mamund	34.791698 71.406713
			Barang	1.) Govt High School, Ghani Adai i.) Open space =30 Kanal	Khar Barang Road, Khar	34.701125

			ii.] Rooms = 15 iii.] Tents capacity = 560 iv.] No. of people to be accommodated = 2,875		71.562232
Chitral Upper	Mastuj	1.] Govt Girls Degree College, Booni i.] Open space = 20 Kanal ii.] Rooms = 55 iii.] Tents capacity = 360 iv.] No. of people to be accommodated = 2,075 2.] Govt: Boys Degree College Booni i.] Open space = 20 Kanal ii.] Rooms = 56 iii.] Tents capacity = 360 iv.] No. of people to be accommodated = 2,070 3.] Ghali Ground, Mastuj i.] Open space = 70 Kanal ii.] Tents capacity = 1,300 iii.] No. of people to be accommodated = 6,500	Main Chitral Booni Road, Booni Main Chitral Booni Road, Booni Main Chitral Booni Road, Booni	36.261981 72.225769 36.251797 72.202404 36.279158 72.249356	
	Torkhow	1.] Rural Health Centre, Torkhow i.] Open space = 40 Kanal ii.] Tents capacity = 700 iii.] No. of people to be accommodated = 3,500	Mulkhov Torkhow Road	36.447566 72.415917	

Malakand	Batkhela	<p>1. Govt: Degree College, Totakan</p> <p>i.) Open space = 80 Kanal</p> <p>ii.) Rooms = 100</p> <p>iii.) Tents capacity = 1,500</p> <p>iv.) No. of people to be accommodated = 8,000</p> <p>2. Govt Higher Secondary School, Khar</p> <p>i.) Open space = 50 Kanal</p> <p>ii.) Rooms = 35</p> <p>iii.) Tents capacity = 950</p> <p>iv.) No. of people to be accommodated = 4,925</p> <p>3. Zafar Park Batkhela</p> <p>i.) Open space = 50 Kanal</p> <p>ii.) Tents capacity = 1,000</p> <p>iii.) No. of people to be accommodated = 5,000</p> <p>4. Govt: Degree College, Thana</p> <p>i.) Open space = 100 Kanal</p> <p>ii.) Rooms = 90</p> <p>iii.) Tents capacity = 1,800</p> <p>iv.) No. of people to be accommodated = 9,450</p>	<p>Batkhela Totakan Road, Totakan</p> <p>Babao Koto Link Road Totakan Batkhela Road</p> <p>Main Mingora Road, Batkhela</p> <p>College Road, Thana</p>	<p>34.6189 71.81835</p> <p>34.608774 71.935810</p> <p>34.6214 71.97983</p> <p>34.6309 72.06897</p>
	Dargai	<p>1. Govt: Post Graduate College, Dargai</p> <p>i.) Open space = 70 Kanal</p> <p>ii.) Rooms = 50</p> <p>iii.) Tents capacity = 1,250</p> <p>iv.) No. of people to be accommodated = 6,500</p> <p>2. Govt: Higher School Heroshah</p> <p>i.) Open space = 20 Kanal</p> <p>ii.) Rooms = 18</p> <p>iii.) Tents capacity = 400</p> <p>iv.) No. of people to be accommodated = 2,090</p> <p>3. Govt: Degree College, Badraga</p> <p>i.) Open space = 50 Kanal</p> <p>ii.) Rooms = 30</p> <p>iii.) Tents capacity = 950</p> <p>iv.) No. of people to be accommodated = 4,900</p> <p>4. Govt: Higher Secondary School, Sakhakot</p> <p>i.) Open space = 20 Kanal</p> <p>ii.) Rooms = 21</p>	<p>College Road, Dargai</p> <p>Harichand Dargai Road, Heroshah</p> <p>Badraga Jahazono Dag Road, Badraga</p> <p>Hospital Road, Sakhakot</p>	<p>34.508628 71.909395</p> <p>34.428090 71.822716</p> <p>34.395063 71.843596</p> <p>34.458935 71.905274</p>

				iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,105			
				5. Sports Stadium, Sakhakot. i. Open space = 30 Kanal ii. Tents capacity = 600 iii. No. of people to be accommodated = 3,000		GT Road Sakhakot	34.444168 71.903133
	Swat	Babuzai		3. Govt: Jehanzeb College, Mingora i. Open space = 100 Kanal ii. Rooms = 50 iii. Tents capacity = 2,000 iv. No. of people to be accommodated = 10,250		Saidu Sharif Road, Mingora	34.75616 72.35787
				2. Govt High School No 1, Mingora i. Open space = 15 Kanal ii. Rooms = 26 iii. Tents capacity = 300 iv. No. of people to be accommodated = 1,630		Airport Road, Banr Mingora	34.77834172.356674
		Barikot		1. Govt: Higher Secondary School, Barikot i. Open space = 45 Kanal ii. Rooms = 22 iii. Tents capacity = 900 iv. No. of people to be accommodated = 4,610		Peshawar Mingora Road, Barikot	34.67639 72.21906
		Bahrain		2. Govt: High and Higher Secondary School, Kalam i. Open space = 20 Kanal ii. Rooms = 32 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,160		Tehsil Road, Kalam	35.479788 72.584808
				3. Govt High School Bahrain i. Open space = 02 Kanal ii. Rooms = 20 iii. Tents capacity = 40 iv. No. of people to be accommodated = 300		Tehsil Road, Bahrain	35.20653 72.5456
				4. Govt: higher Secondary School, Madyan i. Open space = 08 Kanal		School Road Madyan	35.140132 72.533902

			<ul style="list-style-type: none"> ii. Rooms = 25 iii. Tents capacity = 160 iv. No. of people to be accommodated = 925 		
	Kwazakhela	<ul style="list-style-type: none"> 2. Govt Degree College Madyan <ul style="list-style-type: none"> i. Open space = 40 Kanal ii. Rooms = 30 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,150 	Madyan Mingora Road	35.102557 72.50788	
	Matla	<ul style="list-style-type: none"> 1. Govt: Post Graduate College Matla <ul style="list-style-type: none"> i. Open space = 80 Kanal ii. Rooms = 36 iii. Tents capacity = 1,600 iv. No. of people to be accommodated = 8,180 	Matla Mingora road	34.929819 72.412544	
	Kabal	<ul style="list-style-type: none"> 1. Govt: Higher Secondary School, Kabal <ul style="list-style-type: none"> i. Open space = 40 Kanal ii. Rooms = 26 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,130 	Police Line Kabal	34.794677 72.293125	

			2. Govt: Dr. Khan Shaheed Degree College, Kabal i. Open space = 20 Kanal ii. Rooms = 16 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,100	Kabal Mingora Road	34.791972 72.289067
	Shangla	Alpuri	1. Govt: Degree College, Alpuri i. Open space = 20 Kanal ii. Rooms = 43 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,215 2. Govt: High School, Derai i. Open space = 05 Kanal ii. Rooms = 16 iii. Tents capacity = 100 iv. No. of people to be accommodated = 580 3. Govt: Higher Secondary School and Primary school, Shahpur i. Open space = 04 Kanal ii. Rooms = 21 iii. Tents capacity = 80 iv. No. of people to be accommodated = 505 4. Govt: High School, Kuz Kana i. Open space = 02 Kanal ii. Rooms = 12 iii. Tents capacity = 40 iv. No. of people to be accommodated = 260 5. Govt: High School, Karora i. Open space = 02 Kanal ii. Rooms = 21 iii. Tents capacity = 40 iv. No. of people to be accommodated = 305	College Road, Alpuri Alpuri Bisham Road, Derai Shahpur Karora Road, Shahpur Shahpur Karora Road, Kuz Kana Alpuri Bisham Road, Karora	34.9242 72.63383 34.87406 72.71543 34.94996 72.74886 34.918282 72.756000 34.888894 72.766788
		Bisham	1. Govt Higher Secondary School, Botyal i. Open Space = 08 Kanal	Kurakuram highway, Bisham	34.913306 72.868544

			<ul style="list-style-type: none"> ii.] Rooms = 22 iii.] Tents Capacity = 160 iv.] No. of people to be accommodated = 910 		
	Puran	<ul style="list-style-type: none"> 1.] Govt Degree College Puran <ul style="list-style-type: none"> i.] Open space = 15 Kanal ii.] Rooms = 16 iii.] Tents capacity = 300 iv.] No. of people to be accommodated = 1,580 2.] Govt High School, Puran <ul style="list-style-type: none"> i.] Open space = 10 Kanal ii.] Rooms = 14 iii.] Tents capacity = 200 iv.] No. of people to be accommodated = 1,070 	Yakh Tangi Puran road	34.755659 72.677240	
	Chakesar	<ul style="list-style-type: none"> 1.] Govt: High School, Chakesar <ul style="list-style-type: none"> i.] Open space = 04 Kanal ii.] Rooms = 16 iii.] Tents capacity = 80 iv.] No. of people to be accommodated = 480 	Karora Chakesar, road	34.783410 72.767186	
Dir Lower	Adenzai	<ul style="list-style-type: none"> 1. University of Malakand Ground <ul style="list-style-type: none"> i. Open space = 254 Kanal ii. Tents capacity = 5,080 iii. No. of people to be accommodated = 25,400 2. Govt Post Graduate College, Gul Abad <ul style="list-style-type: none"> i. Open space = 40 Kanal ii. Rooms = 30 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,150 	Chakdara Ramda/University Road	34.665893 72.061232	
			Laram Qilla Link Road, Gul Abad	34.71185 72.03552	

	Lal Qila	1. Govt Degree College, Lal Qila i. Open space = 20 Kanal ii. Rooms = 42 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,210	College Road, Maidan	34.957314 71.818308
	Timergara	1. Govt Degree College Timergara i. Open space = 80 Kanal ii. Rooms = 53 iii. Tents capacity = 1,600 iv. No. of people to be accommodated = 8,265	Maidan Road, Haji Abad, Timergara Road	34.845316 71.828839
	Samar Bagh	1. Govt Degree College, Samar Bagh i. Open space = 35 Kanal ii. Rooms = 16 iii. Tents capacity = 700 iv. No. of people to be accommodated = 3,580	Samarbagh Timergara Road	34.918333 71.695833
Dir Upper	Wari	1. Govt Technical College Wari i. Open space = 45 Kanal ii. Rooms = 55 iii. Tents capacity = 900 iv. No. of people to be accommodated = 4,775	Main Wari Bazar, Dir Chitral Road	34.992222 72.037500
	Dir	1. Sports Stadium Dir i. Open space = 35 Kanal ii. Tents capacity = 700 iii. No. of people to be accommodated = 3,500	Dir Chitral Road, Main Dir Bazar	35.19984 71.87475
	Sheringal	1. Shaheed Benazir Bhutto University Ground i. Open space = 40 Kanal ii. Tents capacity = 800 iii. No. of people to be accommodated = 4,000	Dir Kumrat Road	35.275880 72.006006

Chitral Lower	Chitral	<p>1. Polo Ground Chitral</p> <ul style="list-style-type: none"> i. Open space = 130 Kanal ii. Tents capacity = 2,600 iii. No. of people to be accommodated = 13,000 <p>2. Govt Centennial Model School Ground</p> <ul style="list-style-type: none"> i. Open space = 80 Kanal ii. Tents capacity = 1,600 iii. No. of people to be accommodated = 8,000 	Peshawar Chitral Road	35.84707 71.7843
		Drosh	<p>1. Col Murad Stadium</p> <ul style="list-style-type: none"> i. Open space = 80 Kanal ii. Tents capacity = 1,600 iii. No. of people to be accommodated = 8,000 	Shahi Masjid Road, Chitral
Bunner	Daggar	<p>1. Govt: Higher Secondary School Jowar</p> <ul style="list-style-type: none"> i. Open space = 60 Kanal ii. Rooms = 19 iii. Tents capacity = 1,200 iv. No. of people to be accommodated = 6,095 <p>2. Govt: Higher Secondary School Jawkhela</p> <ul style="list-style-type: none"> i. Open space = 60 Kanal ii. Rooms = 22 iii. Tents capacity = 1,200 iv. No. of people to be accommodated = 6,110 	Main Barikot Daggar Road	34.5490 72.304653
		Gagra	<p>1. Govt Higher Secondary School Gagra</p> <ul style="list-style-type: none"> i. Open space = 40 Kanal ii. Rooms = 22 iii. Tents capacity = 800 iv. No. of people to be accommodated = 4,110 	Daggar Pir Baba Road
			Gagra Tehsil, Road	34.474336 72.540086

Hazara	Haripur	Mandaur	<p>2. Govt Degree College Daggar, i. Open space = 80 Kanal ii. Rooms = 32 iii. Tents capacity = 1,600 iv. No. of people to be accommodated = 8,160</p> <p>1. Captain Waqas Shaheed Stadium, Mandaur i. Open space = 50 Kanal ii. Tents capacity = 1,000 iii. No. of people to be accommodated = 5,000</p>	Dewana Baba Road	34.478074 72.486329
Haripur	Haripur	Haripur	<p>1. Pak China Fertilizer Colony, Haripur i. Open space = 25 Kanal ii. Rooms = 300 iii. Tents capacity = 500 iv. No. of people to be accommodated = 4,000</p> <p>2. Afghan Refugee Camp Basso Road i. Open space = 200 Kanal ii. Tents capacity = 3,600 iii. No. of people to be accommodated = 18,000</p> <p>3. Govt High School, Panian i. Open space = 14 Kanal ii. Rooms = 16 iii. Tents capacity = 220 iv. No. of people to be accommodated = 1,180</p> <p>4. Padhana Camp Site i. Open space = 40 Kanal ii. Halls = 3 iii. Tents capacity = 600 iv. No. of people to be accommodated = 3,250</p>	Hatar Road Near Kot Najib Ullah	33.9706 72.89409
				SariKot Link Road Basso	34.03473 72.84542
				Main GT Road, Panian	33.972836 72.854871
				Padhana Road near Tarbela Jeal	34.04154 72.91377

	Abbottabad	Abbottabad	<p>1. Govt: High School No3 Abbottabad</p> <ul style="list-style-type: none"> i. Open space = 15 Kanal ii. Rooms = 15 iii. Tents capacity = 240 iv.] No. of people to be accommodated = 1,275 <p>2. Govt: Post Graduate College No 1 Abbottabad</p> <ul style="list-style-type: none"> i. Open space = 75 Kanal ii. Rooms = 40 iii. Tents capacity = 1,400 iv.] No. of people to be accommodated = 7,200 <p>3. Cricket Stadium Nawan shehr, Abbottabad</p> <ul style="list-style-type: none"> i. Open space = 140 Kanal ii. Tents capacity = 2,400 iii. No. of people to be accommodated = 12,000 <p>4. Cricket Ground Township Nawan shehr</p> <ul style="list-style-type: none"> i. Open space = 20 Kanal ii. Tents capacity = 400 iii. No. of people to be accommodated = 2,000 <p>5. Govt: Post Graduate College, Mandian</p> <ul style="list-style-type: none"> i. Open space = 70 Kanal ii. Rooms = 30 iii. Tents capacity = 1,300 iv. No. of people to be accommodated = 6,650 <p>6. Khanaspur Cricket Stadium, Ayubia</p> <ul style="list-style-type: none"> i.] Open space = 70 Kanal ii.] Tents capacity = 1,200 iii.] No. of people to be accommodated = 6,000 	Eidgah Road Abbottabad	34.14541 73.21273
				College Road Abbottabad	34.14756 73.22023
				Muree Road, Abbottabad	34.1542 73.26122
				Township Road Mandrach Nalai, Abbottabad	34.18423 73.27865
				College Road Mandian, Abbottabad	34.19702 73.22921
				Ayubia Road	34.02188 73.42333
	Havelian		<p>1.] Govt Degree College, Havelian</p> <ul style="list-style-type: none"> i.] Open Space = 50 Kanal ii.] Rooms = 30 iii.] Tents Capacity = 900 iv.] No of people to be accommodated = 4,650 	Kiala Road Havelian	34.055114 73.165800

			2. Abbottabad University of Science & Technology, Havelian i. Open Space = 70 Kanal ii. Tents Capacity = 1,300 iii. No of people to be accommodated = 6,500	Kokal Barseen Road, Havelian	34.068452 73.150127
	Mansehra	Mansehra	1. Regional Institute for Teacher Education i. Open space = 30 Kanal ii. Rooms = 70 iii. Tents capacity = 600 iv. No. of people to be accommodated = 3350	Main Shahrah e Resham, Near Ghazi Kot Town Ship, Mansehra.	34.30495 73.21599
			2. Govt Post Graduate College, Mansehra i. Open space = 80 Kanal ii. Rooms = 100 iii. Tents capacity = 16,00 iv. No. of people to be accommodated = 8,500	Labor Kot College Doraha, Mansehra	34.36603 73.21424
		Balakot	2. Govt High School Balakot City i. Open space = 04 Kanal ii. Rooms = 28 iii. Tents capacity = 80 iv. No. of people to be accommodated = 540	Mansehra Naran Road	34.54826 73.35104
			2. Govt Degree College Balakot i. Open space = 70 Kanal ii. Rooms = 55 iii. Tents capacity = 1,400 iv. No. of people to be accommodated = 7,275	Hassa, Mansehra Naran Road	34.51388 73.35097
		Oghi	1. Govt Degree College for Boys, Oghi. i. Open space = 90 Kanal ii. Rooms = 45 iii. Tents capacity = 1,800 iv. No. of people to be accommodated = 9,225	College Road Oghi	34.50815 73.00544

			2.Govt English Medium Secondary School, Oghi i. Open space = 36 Kanal ii. Rooms = 46 iii. Tents capacity = 720 iv. No. of people to be accommodated = 3,830	Main Battagram Road.	34.42399 72.96968
Battagram	Battagram		1. Govt Higher Secondary School, Thakot i. Open space = 20 Kanal ii. Rooms = 26 iii. Tents capacity = 300 iv. No. of people to be accommodated = 1,630	Karakoram Highway Thakot	34.780959 72.928613
			2. Govt Degree College Battagram i. Open space = 65 Kanal ii. Rooms = 52 iii. Tents capacity = 1,100 iv. No. of people to be accommodated = 5,760	College Road, Shahrah e Resham, Battagram	34.651672 73.055207
	Alai		1. Sports Ground, Alai i. Open space = 49 Kanal ii. Tents capacity = 980 iii. No. of people to be accommodated = 4,900	Kasai Bana, Kwand Road Alai	34.837681 73.056076
Torghar	Hassan Zai		1. Sports Ground, Hassan Zai i. Open space = 35 Kanal ii. Tents capacity = 700 iii. No. of people to be accommodated = 3,500	Thakot Darband Road	34.436944 72.822222
Kolai Palas	Batera		1. Govt Higher Secondary School, Batera i. Open space = 10 Kanal ii. Rooms = 26 iii. Tents capacity = 200 iv. No. of people to be accommodated = 1,130	Batera Bisham Road, Batera	34.946300 72.884810
	Palas		1. Govt Girls High School, Palas i. Open space = 04 Kanal ii. Rooms = 18 iii. Tents capacity = 80 iv. No. of people to be accommodated = 490	Ziarat Road, Palas	35.103310 72.997940

					Ziarat Road, Palas	35.102820 72.998350
				2. Wild life Building, Palas i. Open space = 15 Kanal ii. Tents capacity = 300 iii. No. of people to be accommodated = 1,500		
Kohistan Upper	Dassu			1. Govt Centennial Model High School and Adjacent Ground, Dassu. i. Open space = 10 Kanal ii. Rooms = 18 iii. Tents capacity = 200 iv. No. of people to be accommodated = 1,090 2. WAPDA Colony, Dassu i. Open Space = 100 Kanal ii. Tent Capacity = 2,000 iii. No. of people to be accommodated = 9,000	Karakorum Highway Road, Dassu City WAPDA Colony Link Road, Dassu	35.274400 73.222890 35.30063 73.20324
Kohistan Lower	Patttan			1. Govt Degree College Pattan i. Open space = 35 Kanal ii. Rooms = 32 iii. Tents capacity = 700 iv. No. of people to be accommodated = 3,660 2. Govt. Higher Secondary School, Pattan i. Open space = 07 Kanal ii. Rooms = 40 iii. Tents capacity = 140 iv. No. of people to be accommodated = 900	WAPDA Colony Road, Pattan Tehsil Road, Main Bazar Pattan	35.113670 73.012520 35.108040 73.004780
				3. Govt High School, Jijal i. Open space = 08 Kanal ii. Rooms = 22 iii. Tents capacity = 180 iv. No. of people to be accommodated = 1,010 4. Govt Higher Secondary School, Chakai i. Open space = 08 Kanal ii. Rooms = 26	Karakorum Highway, Jijal Karakorum Highway, Chakai	35.040610 72.923710 34.997470 72.907390

Kohat	Kohat	Kohat	<p>iii. Tents capacity = 180</p> <p>iv. No. of people to be accommodated = 1,030</p>	Peshawar Chowk, Kohat	33.5906 71.43551
			<p>1. Qjila Ground, Kohat</p> <p>i. Open Space = 50 Kanal</p> <p>ii. Tents Capacity = 1,000</p> <p>iii. No of people to be accommodated = 5,000</p>		
			<p>2. Govt Post Graduate College, Kohat</p> <p>i. Open Space = 60 Kanal</p> <p>ii. Rooms = 30</p> <p>iii. Tents Capacity = 1,200</p> <p>iv. No of people to be accommodated = 6,150</p>	College Road, Kohat	33.573763 71.466677
		Lachi	<p>1. Govt Girls Degree College, Lachi</p> <p>i. Open Space = 50 Kanal</p> <p>ii. Rooms = 25</p> <p>iii. Tents Capacity = 1,000</p> <p>iv. No of people to be accommodated = 5,125</p>	Indus Highway, Lachi	33.359972 71.317565
	Orakzai	Upper Orakzai	<p>1. Govt Degree College Ghiljo</p> <p>i. Open Space = 50</p> <p>ii. Rooms = 25</p> <p>iii. Tents Capacity = 1,000</p> <p>iv. No of People to be accommodated = 5,125</p>	Ghiljo Khadizai Road	33.641032 70.838690
			<p>2. Sports Stadium Ghiljo</p> <p>i. Open Space = 1,000 Kanal</p> <p>ii. Tents Capacity = 20,000</p> <p>iii. No of people to be accommodated = 100,000</p>	Ghiljo Dabari Road	33.64885 70.84106
		Lower Orakzai	<p>1. Kalaya Sports Ground</p> <p>i. Open Space = 80 Kanal</p> <p>ii. Tents Capacity = 1,600</p> <p>iii. No of people to be accommodated = 8,000</p>	Kalaya Ghiljo Road	33.749614 70.957149

	Hangu	Hangu	<p>1. Sports Complex, Hangu</p> <ul style="list-style-type: none"> i.] Open Space = 60 Kanal ii.] Tents Capacity = 1,200 iii.] No of people to be accommodated = 6,000 <p>2. Govt Degree College, Hangu</p> <ul style="list-style-type: none"> i.] Open Space = 80 Kanal ii.] Rooms = 70 iii.] Tents Capacity = 1,500 iv.] No of people to be accommodated = 7,850 <p>3. Govt Girls Degree College & Adjacent Railway Ground, Hangu</p> <ul style="list-style-type: none"> i.] Open Space = 1,500 Kanal ii.] Rooms = 45 iii.] Tents Capacity = 28,000 iv.] No of people to be accommodated = 140,200 <p>4. Khwaja Khizar (Forest Land)</p> <ul style="list-style-type: none"> i.] Open Space = 1,500 Kanal ii.] Tents Capacity = 28,000 iii.] No of people to be accommodated = 140,000 	Hangu Thall Road, Hangu	33.52098 71.05145
	Thall	Thall	<p>1. Govt Higher Secondary School, Doaba</p> <ul style="list-style-type: none"> i.] Open Space = 40 Kanal ii.] Rooms = 32 iii.] Tents Capacity = 800 iv.] No of people to be accommodated = 4,160 <p>2. Govt Degree College, Thall</p> <ul style="list-style-type: none"> i.] Open Space = 300 Kanal ii.] Rooms = 30 iii.] Tents Capacity = 5,600 iv.] No of people to be accommodated = 30,150 	Hangu Thall Road, Doaba	33.42242 70.72696
			Bypass Road Hangu	33.52506 71.06615	
			Kohat Hangu Road	33.57641 71.20053	
			Hangu Thall Road, Thall	33.37803 70.5809	

	Kurram	Upper Kurram	<p>1. Govt Degree College, Parachinar i.) Open Space = 60 Kanal ii.) Rooms = 90 iii.) Tents Capacity = 1,200 iv.) No of people to be accommodated = 6,450</p> <p>2. Sports Stadium, Parachinar i.) Open Space = 70 Kanal ii.) Tents Capacity = 1,400 iii.) No of people to be accommodated = 7,000</p> <p>3. Sports Complex, Parachinar i.) Open Space = 120 Kanal ii.) Tents Capacity = 2,400 iii.) No of people to be accommodated = 12,000</p>	Sadda Parachinar Road, Parachinar	33.88513 70.11461
		Lower Kurram	<p>1. Govt Degree College, Sadda i.) Open Space = 40 Kanal ii.) Rooms = 20 iii.) Tents Capacity = 800 iv.) No of people to be accommodated = 4,100</p> <p>2. Cricket Ground, Sadda i.) Open Space = 50 Kanal ii.) Tents Capacity = 1,000 iii.) No of people to be accommodated = 5,000</p> <p>3. Govt High School, Alizai i.) Open Space = 60 Kanal ii.) Rooms = 16 iii.) Tents Capacity = 1,200 iv.) No of people to be accommodated = 6,075</p>	Sadda Parachinar Road, Parachinar	33.86889 70.12572
				Sadda Alizai Road, Sadda	33.705205 70.345825
				Tablighi Markaz Road, Sadda	33.702537 70.339460
				Thall Sadda Road, Alizai	33.536391 70.348766

		Central Kurram	1. Govt High School, Dogar i. Open Space = 40 Kanal ii. Rooms = 14 iii. Tents Capacity = 700 iv. No of people to be accommodated = 3,570	Dogar Sadda Road, Dogar	33.775613 70.514415
	Karak	Karak	1. Govt Girls Centennial Model Higher Secondary School, Karak i. Open space = 32 ii. Rooms = 15 iii. Tents capacity = 600 iv. No. of people to be accommodated = 3,075 2. Govt Post Graduate College, Karak i. Open space = 200 Kanal ii. Rooms = 100 iii. Tents capacity = 1,800 iv. No. of people to be accommodated = 9,500	Bannu Karak Road Bannu Karak, Road	33.10887 71.07631 33.10362 71.06506
		Takht - e- Nasarati	1. Takht- e- Nasarati Sports Complex i. Open space = 60 Kanal ii. Tents capacity = 1,100 iii. No. of people to be accommodated = 5,500 2. Govt Degree College, Takht-e-Nasarati i. Open space = 20 Kanal ii. Rooms = 70 iii. Tents capacity = 400 iv. No. of people to be accommodated = 2,350	Takht-e-Nasarati Main Bazar Takht-e-Nasarati Road leading to Indus Highway	33.011024 71.085924 33.00727 71.07247
		Banda Daud Shah	1. Govt Degree College, Banda Daud Shah i. Open space = 80 Kanal ii. Rooms = 25 iii. Tents capacity = 1,500 iv. No. of people to be accommodated = 7,625 2. Govt Girls Degree College Banda Daud Shah i. Open space = 75 Kanal ii. Rooms = 30 iii. Tents capacity = 1,400 iv. No. of people to be accommodated = 7,150	Bannu Kohat Road, Ahmadi Banda Bear Teri Chowk Mian Bannu Kohat Road	33.279968 71.157462 33.282277 71.167187

ANNEXTURE VII

FLOOD FIGHTING MACHINERY WITH IRRIGATION DEPARTMENT		
S-No	Name	Qty
1	Doosan Excavator 180wv	1
2	Mack Trailor 35 ton	1
3	Air compressor (Ingersoll Rand)	1
4	Tractor 640 FIAT and Water Tanker	1
5	Fork lifter (case)	1
6	Bed ford truck no A3539	1
7	Flood light unit no 1	1
8	Front end Loader MW24 case	1
9	Front end loader no 1 case 721	1
10	Front End loader case 14wb	1
11	Dozer crawler 1550 case	1
12	Dump truck 002 international	1
13	Dump Truck 004 international	1

ANNEXTURE VIII

DISTRICT WISE DETAILS OF DIVERS TEAM

S.NO		Total Divers
1	Abbottabad	D.Sup -01 Divers-2
2	Bajaur	Divers – 7 D.Sup – 1
3	Bannu	Divers – 7 D.Sup – 2
4	Batagram	Divers -01 D.Sup -01
5	Buner	Divers –2 D.Sup-01
6	Charsadda	Divers –5 D.Sup – 1
7	Chitral	Divers – 2 D.Sup – 02
8	D.I. Khan	D.Sup - 2 Divers-01
9	Dir-L	Divers -02 D.Sup -1
10	Dir-U	Divers –01 D.Sup-01
11	Hangu	Divers – 7 D.Sup – 1
12	Haripur	Divers –5 D.Sup -02
13	Karak	Divers –1 D.Sup – 1
14	Khyber	Divers – 2
15	Kohat	Divers – 7 D.Sup – 1
16	Kohistan-L	Divers –01 D.Sup -01
17	Kohistan-U	Divers – 7 D.Sup – 1
18	Kurram	Divers -1 D.Sup -1
19	Lakki Marwat	Divers – 1 D.Sup- 01
20	Malakand	Divers – 5 D.Sup – 2

21	Mansehra	Divers- 01 D.Sup -01
22	Mardan	Divers – 4 D.Sup – 1
23	Mohmand	Divers - 5 D.Sup – 2
24	Nowshera	Divers – 8 D.Sup – 2
25	Orakzai	Divers -2 D.Sup -1
26.	Peshawar	Divers - 8 D.Sup – 2
27	Shangla	D.Sup -2 Divers-6
28	Swabi	Divers –02 D.Sup -2
29	Swat	D.Sup – 1 Divers – 3
30	Tank	Divers -01 D.Sup -01
31	Waziristan (S)	Divers - 01 D.Sup – 1
32	Waziristan(N)	Divers -01 D.Sup -2



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