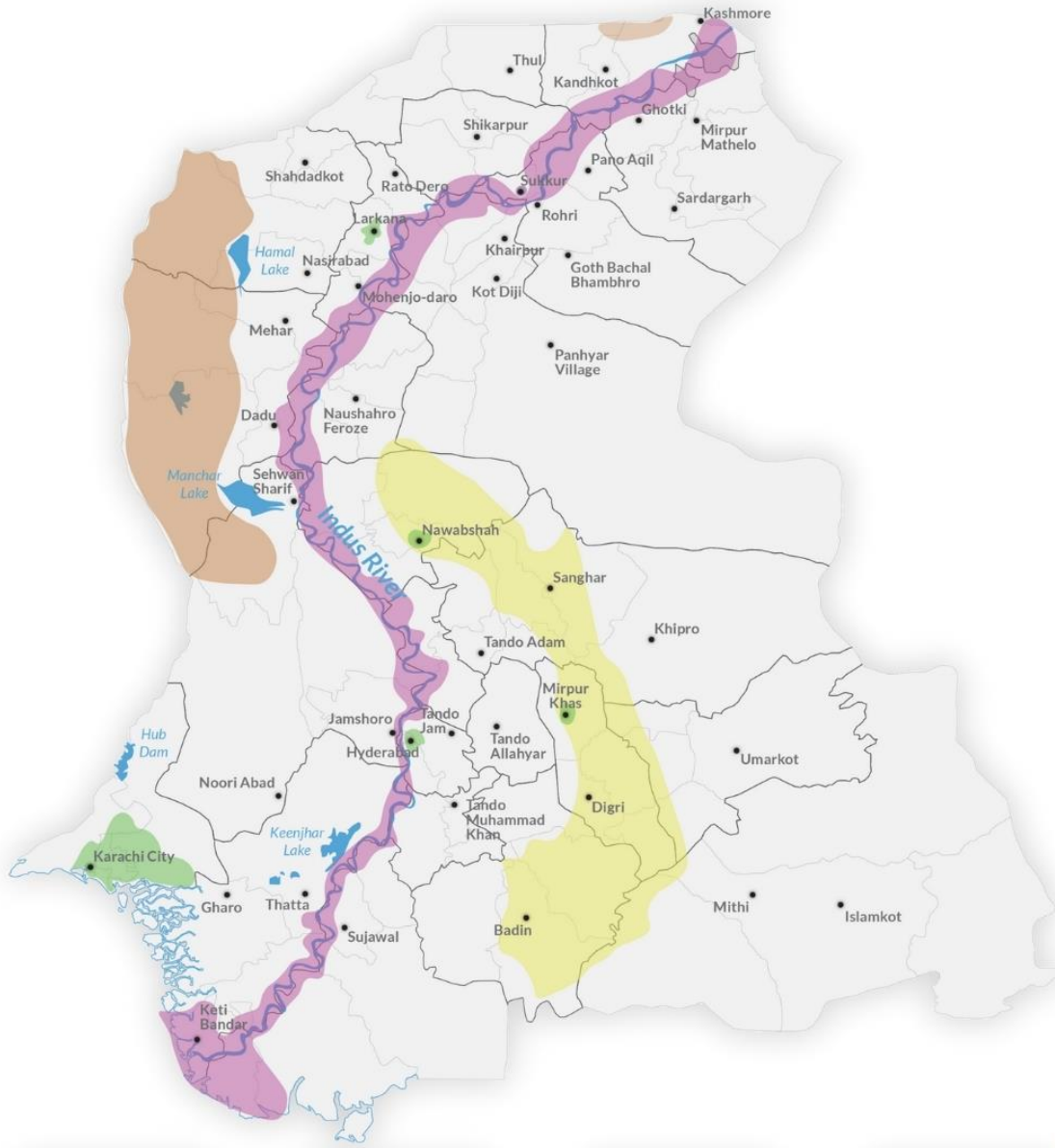


2024

MONSOON

# PROVINCIAL CONTINGENCY PLAN



Riverine Flood

Flash Flood

Urban Flood

LBOD Flood

Provincial Disaster Management Authority  
Rehabilitation Department  
Government of Sindh



# Monsoon Contingency Plan 2024



**PROVINCIAL DISASTER MANAGEMENT AUTHORITY  
REHABILITATION DEPARTMENT  
GOVERNMENT OF SINDH**



## Minister Rehabilitation's Message

Unprecedented disaster events around globe are making headlines in the media. Hydro-meteorological are more common among natural disasters. This is very obvious indication of changed weather circulations triggered by climate change. Since last decade, Sindh province is undergoing above normal events such as floods, prolonged heatwaves, frequent threat of cyclones and unseasonal rains. These abnormal developments are challenging existing systems, practices, resources and socio-economic fabric of the Province. In the face of changing scenarios and likely more future challenges, it is imperative that we evolve our practices and approaches to mitigate the threats they bring. The Provincial Disaster Management Authority (PDMA) and District Disaster Management Authorities (DDMAs) were established to mitigate existing disaster risks and

future challenges associated with climate change impacts.

I am pleased to inform you that PDMA, in collaboration with DDMAs, has developed an elaborate Provincial Monsoon Contingency Plan 2024 to address anticipated and any unforeseen hydro-meteorological disaster during monsoon 2024. This plan encompasses a comprehensive approach, analyzing potential hazards, vulnerability, available and projected resources, stakeholder roles and responsibilities, and identification of areas for improvement. It has been designed to be cost-effective, ensuring effective disaster management and response.

I take immense pride in presenting the Provincial Monsoon Contingency Plan 2024 to the people of our province. The plan aims to empower us to effectively

manage any likely disaster during monsoon using a coordinated provincial approach. It is my firm belief that this plan will not only enhance our understanding of disaster management but also foster collaboration, coordination, and synergy among stakeholders.

I urge all concerned stakeholders to diligently follow the guidelines set forth in the Provincial Monsoon Contingency Plan 2024 to safeguard human lives and protect our valuable assets. PDMA, in its

ongoing commitment to improvement, will continue to assess and adapt the plan based on practical experience and feedback, making it a dynamic and responsive document.

I am confident that through the materialization of such initiatives, we will witness significant progress in our disaster management endeavors and move closer to achieving our goal of a resilient Sindh. Let us stand united in our efforts to build a safer and more secure future for our people.

**Makhdoom Mehboob Zaman**  
**Minister Rehabilitation,**  
**Chairman Provincial Disaster Management Authority (PDMA) Board**



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## Secretary Rehabilitation's Message

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In recent years, we have witnessed the alarming effects of global climate change. Extreme weather patterns, rising temperatures, and changing climatic conditions have intensified the challenges faced by our region. Heatwaves, urban and riverine floods, cyclones, droughts, and other calamities have become more frequent and severe, leading to significant losses in human lives, agricultural land, infrastructure, and economic activities. It is essential that we acknowledge these realities and work towards building resilience in our communities.

Furthermore, it is important to recognize that disaster management is an ongoing process that requires continuous adaptation and improvement. Our department remains committed to enhancing our capacity to respond to future challenges. We will continue to assess the changing landscape of risks

and vulnerabilities, update our strategies, and collaborate with relevant organizations and agencies to strengthen our resilience.

I would like to appreciate PDMA and DDMA's teams and other concerned departments who have contributed to the development of the Monsoon Contingency Plan 2024. Your expertise and dedication are instrumental in safeguarding our communities and ensuring their swift recovery in times of crisis.

The Monsoon Contingency Plan of 2024 provides clear guidelines and Standard Operating Procedures (SOPs) for all stakeholders involved, facilitating coordinated efforts and efficient resource allocation. I would like to invite all the stakeholders to embrace this plan as a guiding tool for a resilient future. Together, we can navigate the uncertainties of climate change and

build a safer and more sustainable  
province for generations to come.

**Dr. Waseem Shamshad Ali**  
**Secretary to Government of Sindh**  
**Rehabilitation Department**



## DG PDMA's Message

The current Monsoon Contingency Plan, developed in close coordination with the Provincial Government line departments and District Disaster Management Authorities, highlights the crucial role of the Provincial Disaster Management Authority in mitigating the impacts of heavy monsoon rains and flood-like disasters. This comprehensive plan comprises an analysis and operational framework, including well-defined Standard Operating Procedures (SOPs) for various stakeholders, making it attractive to both planners and implementers.

In the face of global warming and changing climatic conditions, our Authority encounters multidimensional challenges. These challenges range from the devastating effects of heatwaves, drought, urban and riverine floods, and flash floods, etc. These events often trigger emergencies of various

categories, resulting in substantial losses of human lives, land, crops, infrastructure, and economic activity. We have witnessed the magnitude of such disasters in the past, including the super floods of 2010 and the heavy rains of 2022. While we hope to avert any such occurrences, it is crucial to acknowledge that the intensity and severity of these events may increase in the future due to changing weather patterns and climatic conditions.

To mitigate and minimize the risks associated with changing climatic conditions and monsoon events, the Provincial Monsoon Contingency Plan of 2024 has been meticulously prepared. This plan takes into account the vulnerabilities, risks, and hazards posed to the communities. It also addresses the immediate caseload that must be addressed in the event of an emergency situation. I am confident that in the face

of any unwarranted monsoon event, this plan will serve as a guiding tool for decision-makers across the Province, leading us towards a more resilient Sindh.

I would like to express my gratitude to all the stakeholders, government departments, and district authorities who have contributed to the development of this Monsoon

Contingency Plan. It is through our collective efforts that we can effectively respond to emergencies and safeguard the lives and well-being of our communities.

Let us unite in our commitment to disaster resilience and work together towards a safer and more secure future for the people of Sindh.

**Syed Salman Shah**  
Director General, PDMA Sindh



## Preface

Disaster and emergencies disturb the normal course of life, damage properties, cause human and crop loss, interrupt livelihood and bring many long-term domino and perpetual effects. In prevailing socio-economic conditions, the impacts of such events affect in different forms for years. Without argument, the best approach in managing disasters is implementation of disaster risk treatment and reduction strategies. At times implementation of disaster risk treatment and reduction is constrained by financial resources, physical barriers, line of action by stakeholders and communities at risk and various other factors such as poverty and lack of alternative resources etc. As a matter of fact, it is very true that development is essential for growth and prosperity, but at the same time development brings embedded disaster risks because somehow, development alters nature and alternation requires equivalent alternatives to continue its course. If a waterway is changed for any reason, it will require alternative to convey water safely to natural destination. If we fail to provide substitutes, it will cause flooding along

surroundings. Therefore, both development and disaster risk run parallel, and for sustainable development, it is essential to provide substitute to nature to run on its course. In addition, all human developed systems have certain capacity and if any event occurs near to or beyond the capacity of the system, the system loses the effectiveness. For example, Left Bank Outfall Drain has a certain design discharge, and it breaches or overtops when water exceeds the design limits. In short, every human made system has residual risks, and the system collapses once thresholds are reached or crossed. Disasters management is conducted holistically i.e., resources, safety systems, preventative measures and above all, disaster risk perception of all stakeholders matters a lot in improving efficacy of disaster management and risk treatment.

In Sindh province, physical properties such as natural topography (low natural gradients resulting in poor drainage), effects of climate change, alteration of nature without substantial substitute, low disaster risk perception of

stakeholders and communities, lacking or inadequate safety systems and other related factors combinedly turn hazards into disasters and repetitive prolonged disturbance. Within all negative and positive circumstances, it is important to plan for untoward situations to keep life or bring life back to normal in the shortest possible time. This is the key and fundamental objective of contingency planning.

Each year's monsoon rains and waters in Indus River bring pros and cons. If both rain and water in Indus are high or excess, the drainage systems are overwhelmed and effects manifest in riverine and urban flooding. Each year PDMA Sindh prepares provincial contingency plan in collaboration with district disaster management authorities and other line departments. The resources are prepositioned to manage any likely unwanted situation. The Monsoon Contingency Plan 2024 has been drafted on modern lines with science and technological support. The database prepared in Disaster Management Information System (DMIS) of PDMA has been used to model likely situations. Relevant hydro-

meteorological models have been used to generate scenarios and successive caseload and requirements. Likewise, natural depression / low lying areas have been identified to establish linkages for urban flooding across the province. Robust contingency plan covering all possible scenarios and resources have been prepared to manage the monsoon 2024.

It is anticipated that the most likely demanding challenges during the course of monsoon 2024 would be; Safe flow of water in Indus, Safe flow of water from Hamal - Manchar to Indus, Safe flow of water from Left Bank of Indus, Urban flooding in major cities of Sindh and Crop and livestock safety (Safety of livelihood).

Hence, an inclusive disaster management plan has been prepared keeping in view the lesson learned through past disasters in the Province. It is important to note that, effectiveness of this plan relies on collective response by all stakeholder departments/partners and conjunctive use of District and Provincial Disaster Management Plans, and other documents and guidelines

prepared by PDMA and NDMA. All such documents are readily available on websites of respective authorities. It is anticipated that, once all gears are

aligned, collective and effective disaster management shall be achieved, and results shall be reduced losses and less disturbance to patterned life.

## Executive Summary

Monsoon is a weather system which brings wet or dry periods in South Asia including Pakistan. Hydro-metrological circulation in the region is dependent on monsoon behavior which is largely driven by Indian Ocean Dipole (IOD) and El Niño-Southern Oscillation (ENSO) phenomena. For Monsoon 2024, both IOD and ENSO are forecasted to favor rain in South Asia including Pakistan.

As per practice, each year PDMA prepare monsoon contingency plan to comprehend likely situation and accordingly tailor response and related actions. The Monsoon 2024 Contingency Plan is scenario-based plan and to understand behavior of monsoon in Sindh, various local, regional and international weather models and services have been consulted and following conclusions are drawn in preparation of contingency plan;

### **Above normal rainfall is forecasted for Sindh province**

- 1. The southern and north-western districts are likely to receive more rains in comparison to other parts of the Province.**

- 2. July and August are likely to be the wettest months for the Province.**
- 3. Balochistan is also likely to receive above normal rainfall therefore, chances of runoff entering in Sindh from shared catchments of Sindh and Balochistan**
- 4. Probability of high flows in Indus river**

The effects of monsoon encompass;

- Urban and rain induced flooding
- Flash flooding in north-western regions of the Province
- Life and livelihood damages and losses
- Stagnation of water and dewatering issues on both left and right banks of the Indus
- Chances of riverine flood in the Province

Both riverine and rain induced flooding scenarios have been generated using modern tools and data has been assimilated with Disaster Management Information System (DMIS) developed at PDMA. The **riverine flood** could

range between 500,000 to 900,000 cusecs which will expose approximately **100,000** households to varying effects. In anticipation of this effects response plan and requirements have been tailored in accordance with NDMA Guidelines and PDMA experiences. Similarly anticipated higher **rain spells** in the month of July and August are likely to expose approximately **152,000** household living in Katcha houses and accordingly caseload and standard response plan has been prepared.

Further, based on over the years of experience in disaster management, lessons learned from recently occurred disasters in Sindh various actions have been recommended to keep / bring life back to normal during monsoon season. The plan encompass physiography of the Province and residual disaster risks, evaluation of different seasonal weather

forecasts, determination of scenarios and likely caseloads, inclusion of current assets and inventories available with PDMA, DDMA, the supply and demand gaps, identification of likely challenges during the course of monsoon, special actions to be taken by different stakeholders and partners and their roles and responsibilities, identification of vulnerabilities and emergency contact numbers for coordination with departments.

Additionally, it is also important to note that climate change impacts may exacerbate the monsoon behavior and situation may worsen like 2020 and 2022, therefore, response preparation and actions by all stakeholders, partners, NGOs / IGNOs, humanitarian organizations etc are required to scale up preparations accordingly.

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# Chapter 1: Overview of Floods in Sindh

## 1.1 Physiographic and Climatic Setting of the Province

Topographically Sindh consists of three parallel belts extending from north to south: the Kirthar Range on the west, a central alluvial plain bisected by the Indus River, and an eastern desert belt. The Kirthar Range is composed of three parallel tiers of ridges, has little soil, and is mostly dry and barren. The fertile central plain constitutes the valley of the Indus River. This plain is about 580 km long and about 51,800 square km in area and gradually slopes downward from north to south. The eastern desert region includes low dunes and flats in the

north, the Achhrro Thar ("White Sand Desert") to the south, and the Thar Desert in the southeast.

Sindh has a subtropical climate and experiences hot summers and cold winters. Temperatures frequently rise above 46°C between May and August, and the average low temperature of 2°C occurs in December and January. Annual precipitation averages about 180 mm, falling mainly during July and August.

## 1.2 Water Resources

The major and perennial water resource of the Province is Indus River which originates in Himalaya and terminates in Arabian Sea, while crossing various gorges and plains along its route. Figure-1.2 shows the basin of the mighty Indus River. The Indus River does not only provide surface water which feeds the canals for irrigation and consumed for domestic and industrial purposes but at

the time it recharges the aquifer to maintain the groundwater use.

Besides, Indus River, rain is other source of fresh water which fill the surface resources including lakes and temporary ponds, supports rain feed agriculture specially in Kachho and Thar. Manchar, Hamal, Keenjhar, Haleji, Chotiari Dam are major perennial lakes. Various other small dams in rain feed areas have been

constructed to conserve rainwater for later use. Non-perennial / seasonal rivers and streams emanate from Kirthar range and flowing water recharge the aquifer and to some extent water is used

for agriculture purposes. Delay action dams are built on major nonperennial rivers and streams to recharge aquifer and contain water for later use.

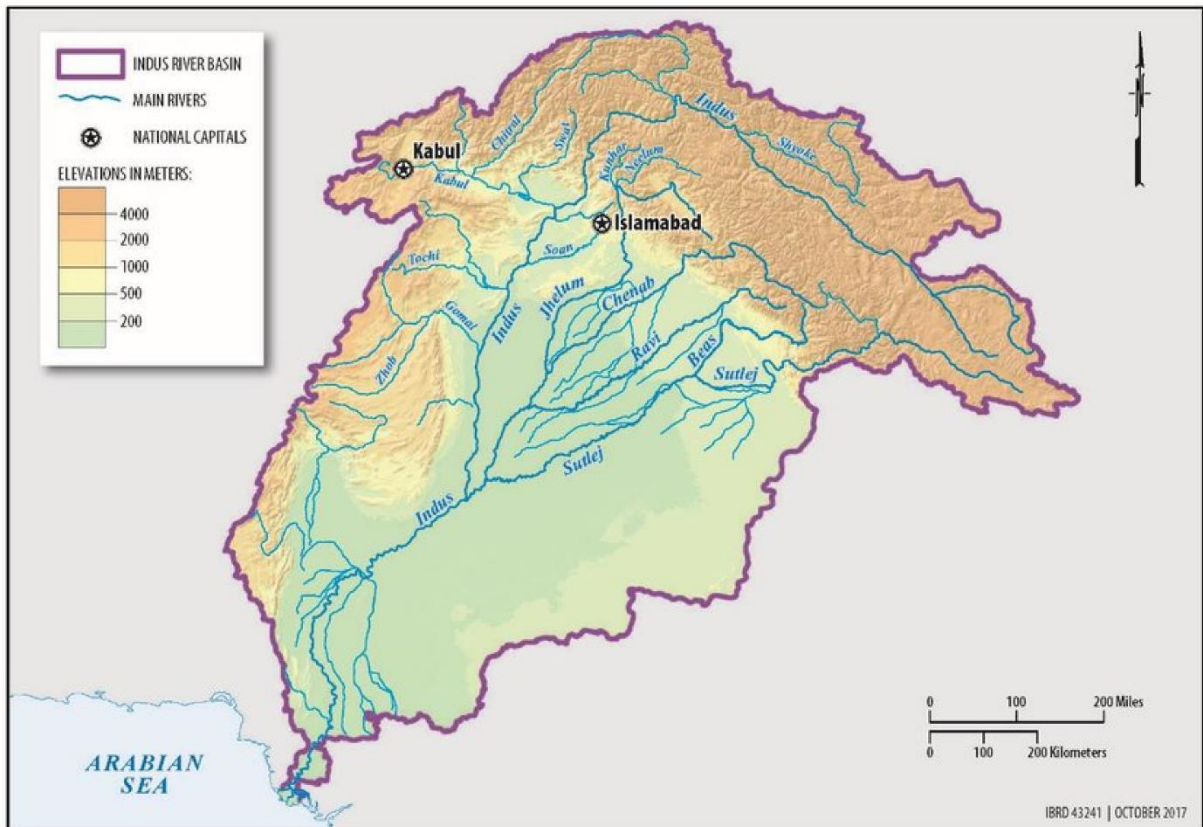


Figure 1.2. Indus Basin

### 1.3 Topography and Natural Drainage

The topography of the Province is flat except for the hilly Khirthar range in the west and sand dunes in Thar desert. The central fertile plains are formed by alluvial deposits by Indus River. Landscaping of the Province is mostly done by seismic activity in historic past and Indus River. Having flat

topography, the Province bears low gradient and poor drainage. By virtue of low gradient, Indus River possesses a high tendency of channel migration and flows in braided channels. It is believed that once Indus off-loaded in Arabian Sea through 17 channels. After construction of barrages and canal

irrigation over Indus, the River is restricted to present flood plain which is bounded by flood protective embankments for protection of surrounding lands. A topographic map of the Province is shown in Figure-1.3.1. Remnants of Indus in the form of channels and lakes are still present across the historic courses. Most of the abandoned courses are presently converted to irrigation channels, oxbow lakes and depression are either altered and used for agriculture purposes or are part of the local drainage system.

Natural drainage is an integral part of any landscape. It naturally conveys water to safer deposition. Rivers, streams, depression all form the natural drainage. Natural drainage systems are composed of various smaller branches or collector drains which collect local water and connect it with larger or main trunk of the system. Main trunks or major rivers normally flow towards the sea to offload the water. The Indus is the main trunk of drainage for Sindh to carry water to dispose of in Arabian sea,

however, practically almost none of the surface runoff generated in the Province gets into Indus due to embankments and various other structural barriers i.e., roads, railways, irrigation network all along the course. When it rains in Sindh, water on right bank of Indus naturally inclined to flow towards Manchhar lake via different routes, while on left bank, water is distributed in depressions, LBOD system drains and or diverted to irrigation channels. The surface runoff in Thar desert accumulates in depressions which subsequently feed life in the desert. Drains of lower Khirthar range either directly contribute to sea e.g., Malir and Lyari rivers or become part of Indus at different locations. While upper Khirthar and shared basins of Balochistan flows to Hamal and Manchhar lakes and at later stage become part of Indus through Aral Manchhar canal. The experience and evidence suggest that drainages on left and right banks of Indus undergo pressure and overwhelm causing flood in surroundings. Natural drainage of the Province is shown in Figure-1.3.2.

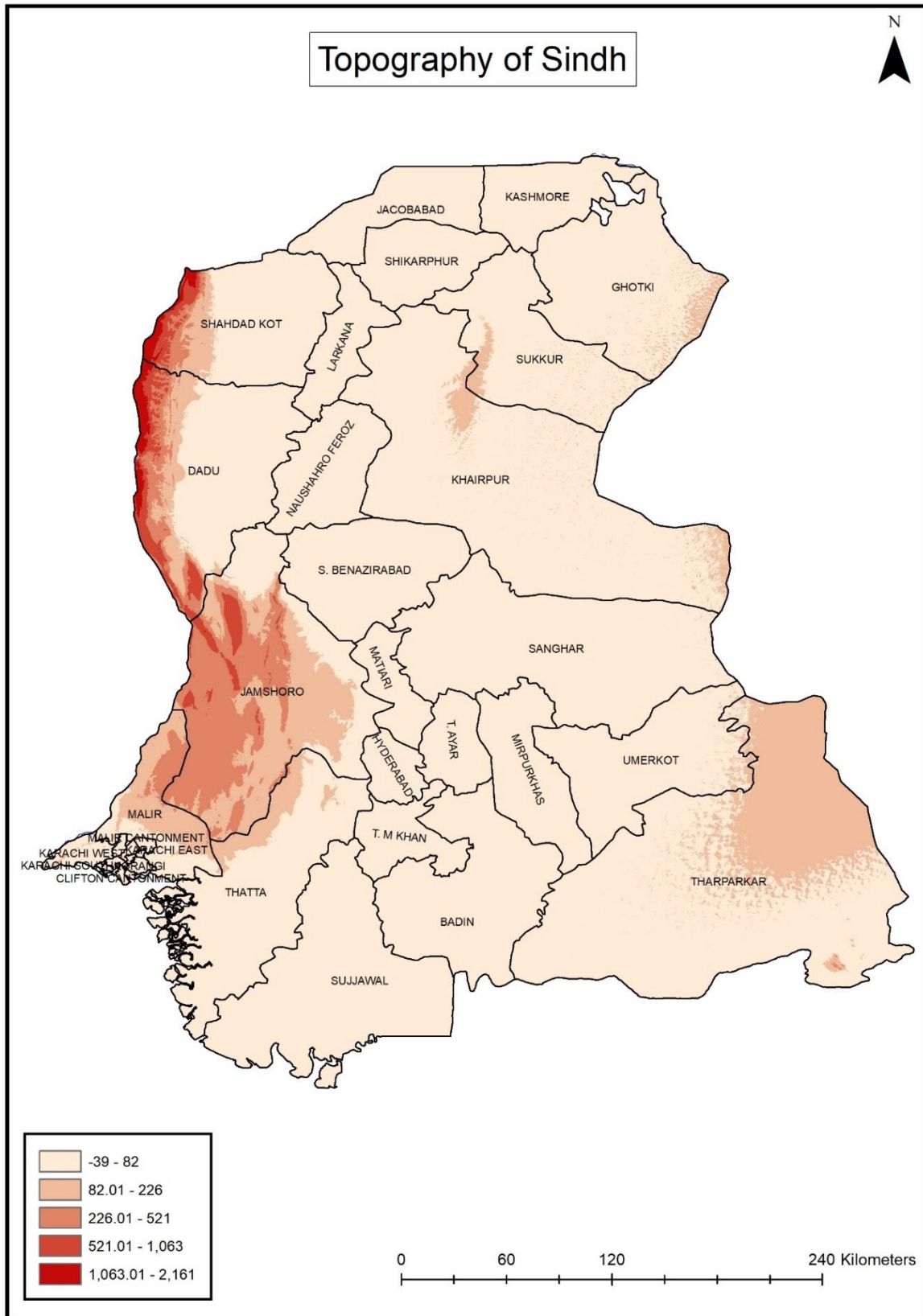


Figure 1.3.1 Natural Topography of the Province

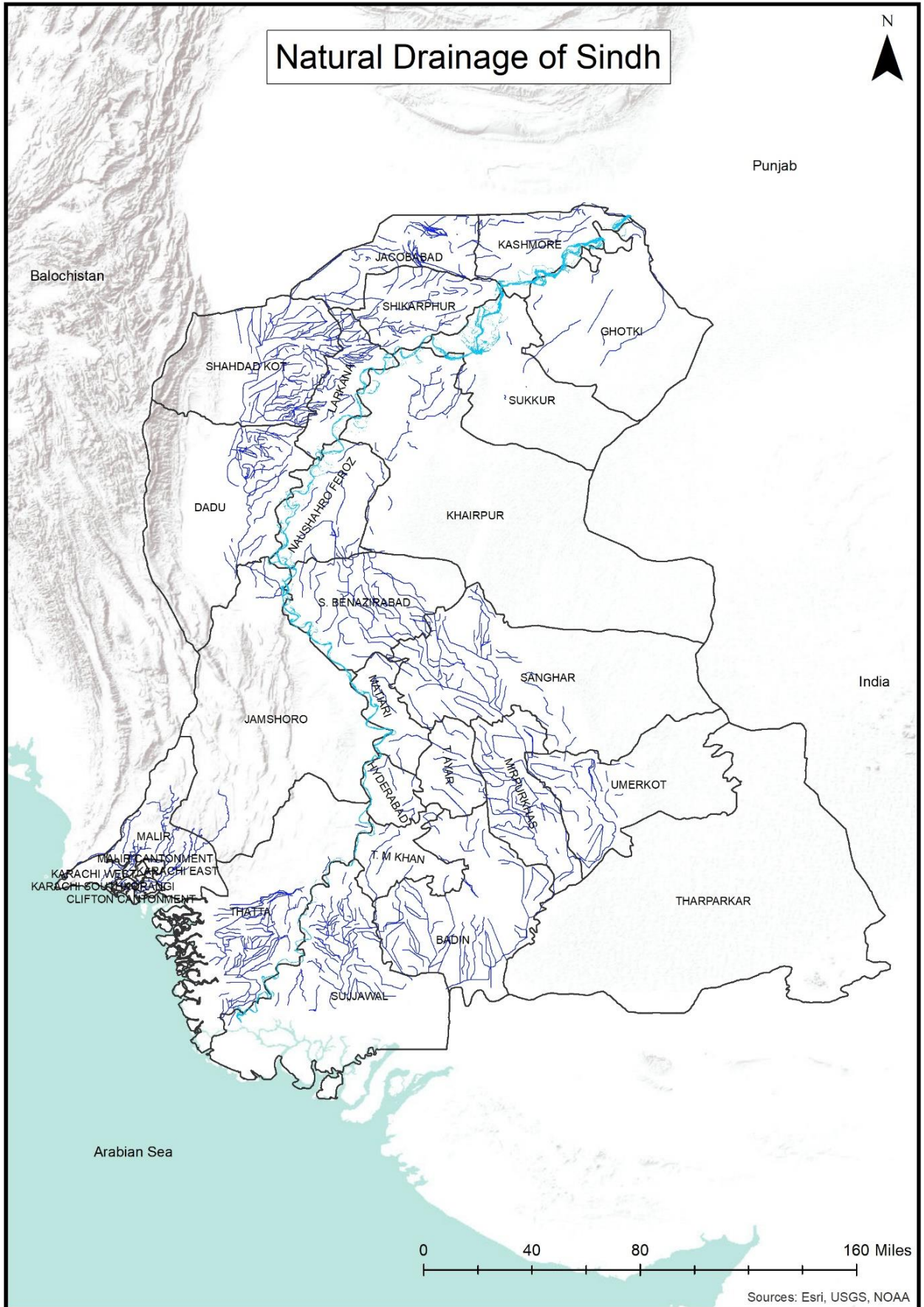


Figure 1.3.2 Natural Drainage of Province

## 1.4 Characteristics of Indus River and Flood Plain

Sindh province lies in tail of the Indus River, hence deltaic characteristics of any river system are predominant in the Province i.e., low flow velocity, more silt deposition, river migration tendency, river flows in braided channels etc. River channels are shallow with almost little or no formal banks. During floods, water surpasses riverbanks and inundation water levels become equal to or higher than surrounding lands. In view of these natural characteristics, after construction of barrages the river was bounded by embankments for protection of settled areas from flooding. Due to equal or higher water levels in comparison to surrounding lands, flood water never connects back to the river if any breach occurs in flood embankment. This is why floods of high, very high and super categories are always high risk in the Province.

Natural land surface features such as oxbow lakes, yazoo channels, silt deposit / dunes wild bushes, shrubs and trees were once dominant in flood plain and large tract of land was reserved for forests. The present condition of plain

has changed due to various human interventions. Currently, flood plain is dominantly used for agriculture purposes and various lateral structures such as private embankments (within flood plain), roads, and construction of bridges have greatly altered its characteristics. The Landuse map of flood plain is shown in Figure-1.4.

Major impacts of these developments can be summarized as;

The forest cover was a natural barrier against erosion and to some extent was protection for embankments. Transition from forest cover to agriculture has disturbed the natural barrier.

The oxbow lakes and depression are either leveled or used for agriculture purposes which once used to distribute flood water. This change has altered the flow pattern in plain.

The construction of bridges over the river has changed the lag time and flow patterns. This results in increased flood discharge time and pressure on flood protective infrastructure.

Increased human interaction within flood plain has compromised the strength and efficacy for flood protective infrastructure.

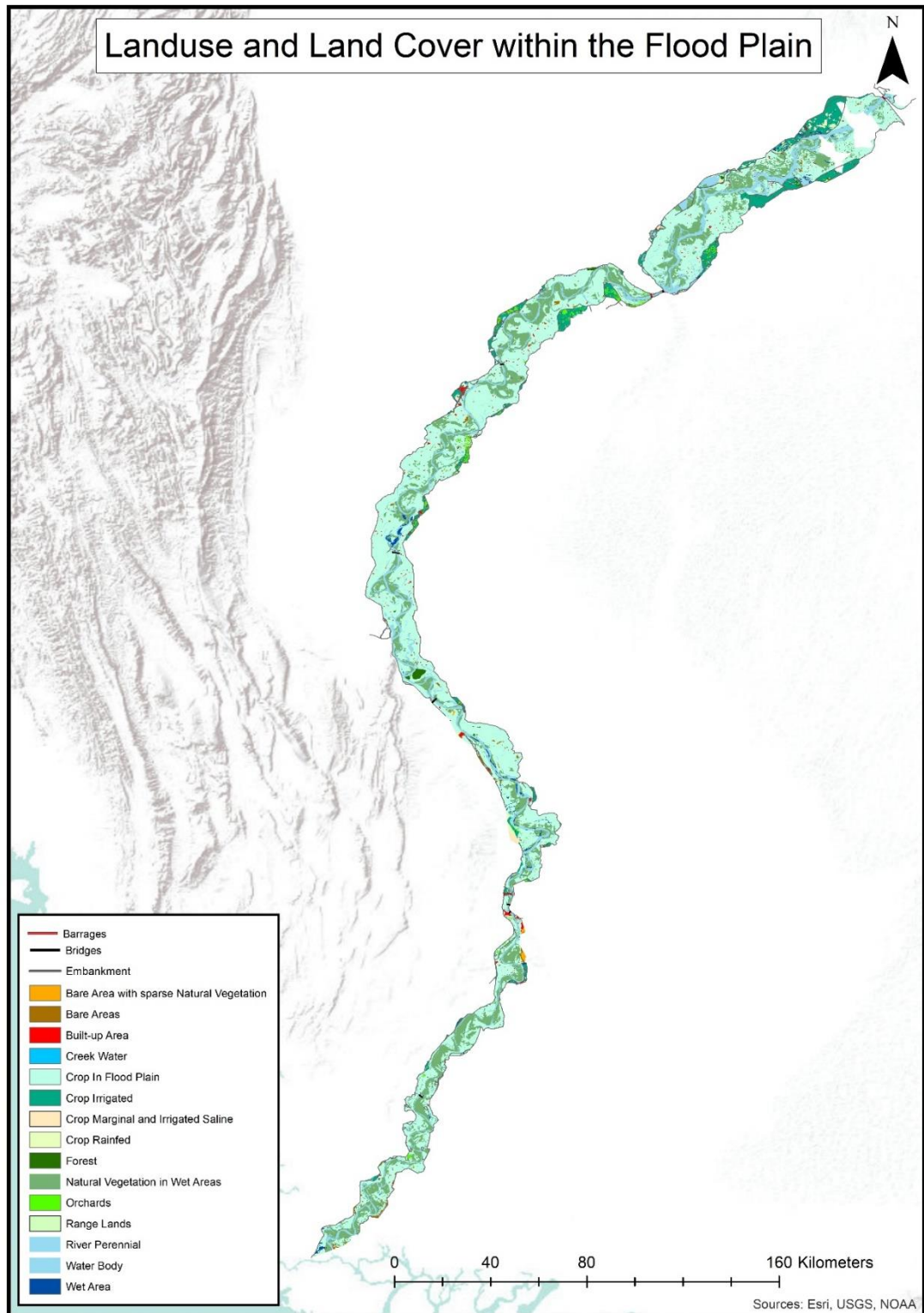


Figure 1.4 Landuse and Landcover within the Floodplain

## 1.5 Types of Floods in Sindh

### 1.5.1 Fluvial or River Floods

Major fluvial floods occur in Indus River particularly during monsoon season from July to September. Historical records suggest that high water flows in Indus is converging effect of snow / glacial melt and rains in upper Indus basin and northern parts of the country. Depending on discharge at different barrages, floods are categorized as medium, high, and super floods. Floods are a normal phenomenon and where there is a river, there is an embedded chance of flooding. Regarding Indus River floods in Sindh, major risk is associated with failure of flood protection infrastructure. If any embankment is breached, it has potential to produce disturbance over large areal extent. On the other hand,

even if flood of super category passes safely to Arabian Sea, all remains normal except population living within flood plain. As a matter of fact, the population living in floodplain and livelihood sources are always naturally at flood risk.

Other fluvial flood sources in Sindh are seasonal rivers including Malir, Lyari, Nai Gaj, Nai Baran and various other streams emanating from Khirthar range. Depending on quantum of precipitation in respective catchments, these rivers can generate flash floods in their courses. During 2020 heavy rains, excessive water in Malir river spilled over and gushed into surrounding villages causing damage and losses.

### 1.5.2 Pluvial or Flash Floods

Pluvial floods in Sindh mainly occur in Khirthar range. Most of the drainage of Khirthar range share waters from Balochistan province i.e., catchment of Nai Gaj is shared and lies in Khuzdar district of Balochistan. In case of heavy rains over catchment in Khuzdar, water

gushes through Nai Gaj and offloads in Kachho plains in district Dadu. Flash flood normally occur with little or no reaction time and cause great damages and losses as it happened during 2020 in Kachho.



### 1.5.3 Coastal Floods

Coastal floods are normally accompanied by cyclones or any major weather disturbance in Arabian Sea.

Almost entire coastal belt of Sindh is prone to coastal flooding during high seas or abnormal weather.

### 1.5.4 Inland or Urban Floods

This most frequent and major disturbing phenomenon occurs in major cities of the Province during moderate to heavy rains. Major reasons include no or

inadequate storm water drainage in cities, disconnected natural slopes, inadequate bridge / culverts in roads and alike issues.

### 1.5.5 Secondary Floods or domino effects

These floods are normally caused by breaches or overtopping in manmade drainage systems during excessive waters in drainage system or choking of drains. These secondary flooding occurs on both sides of Indus particularly in

Left Bank Outfall Drain (LBOD) system and Main Nara Valley Drain (MNVD). Geographical Distribution of Hydro-Met Hazards in the Province is shown in Figure-1.5.5.

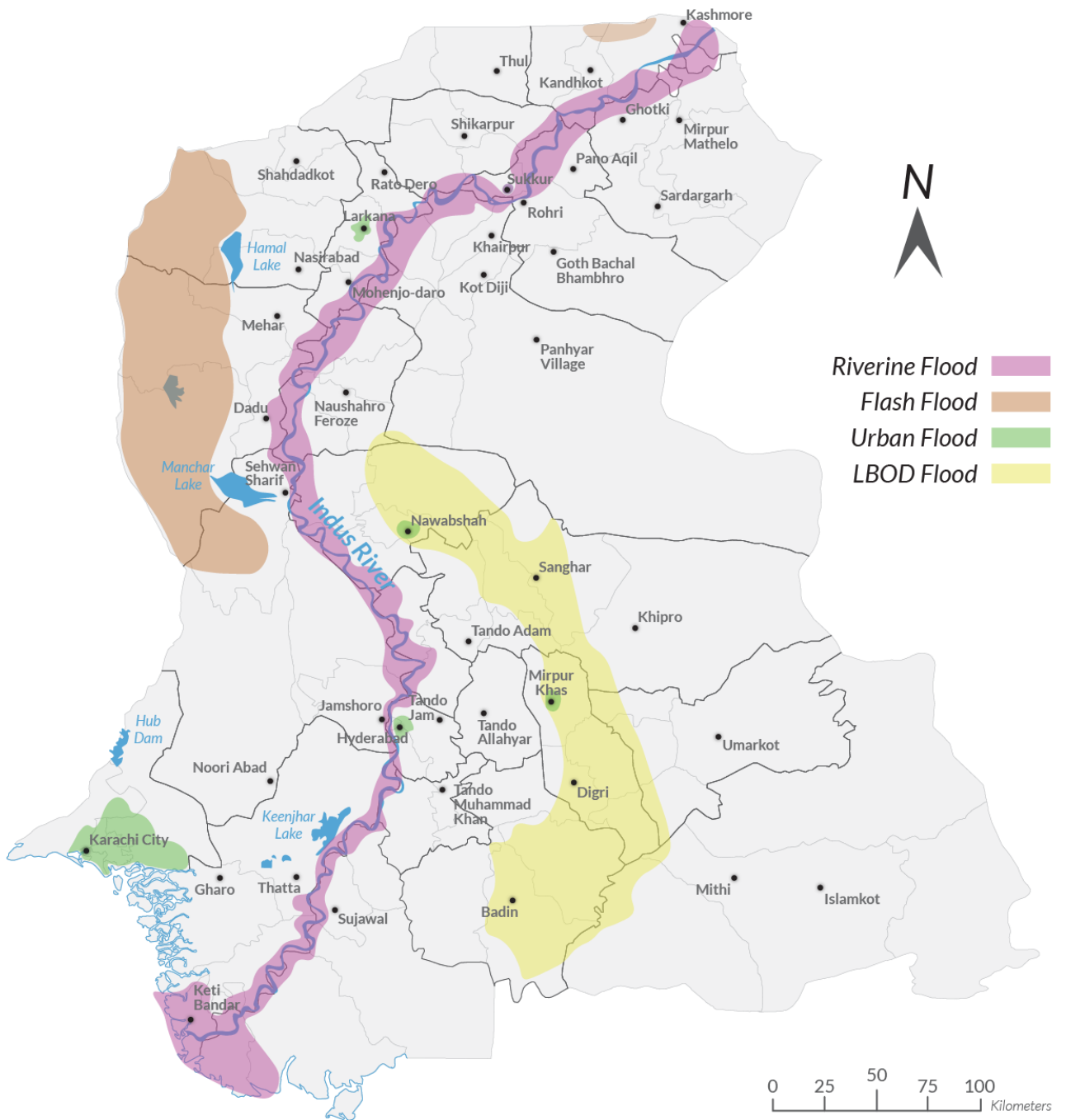


Figure 1.5.5 Geographical Distribution of Hydro-Met Hazards

## 1.6 Flood Levels and Categories at Barrages of Sindh

Before reaching territorial land of Sindh province, the Indus travels through various barrages and other lateral structures. The flow is monitored by

Flood Forecast Division of PMD and provincial irrigation departments. Lag time between the barrages and other prominent structures is calculated and

sufficient reaction time to act according to discharges is available for Sindh. Depending on discharge at barrages and keeping in view barrage discharge

capacity flood levels and categories have been defined by Irrigation Departments. Following is the nomenclature of floods at the barrages of Sindh.

**Guddu Barrage:**

S No	Flood Category	Flow Ranges(cusecs)
1	Medium Flood	200,000 to 350,000
2	High Flood	350,000 to 500,000
3	Very High Flood	500,000 to 900,000
4	Super Flood	Above 900,000

Table 1.6.1 Discharge Flow of Guddu Barrage

**Sukkur Barrage:**

S No	Flood Category	Flow Ranges(cusecs)
1	Medium Flood	200,000 to 350,000
2	High Flood	350,000 to 500,000
3	Very High Flood	500,000 to 900,000
4	Super Flood	Above 900,000

Table 1.6.2 Discharge Flow of Sukkur Barrage

**Kotri Barrage:**

S No	Flood Category	Flow Ranges(cusecs)
1	Medium Flood	200,000 to 300,000
2	High Flood	300,000 to 450,000
3	Very High Flood	450,000 to 650,000
4	Super Flood	Above 800,000

Table 1.6.3 Discharge Flow of Kotri Barrage

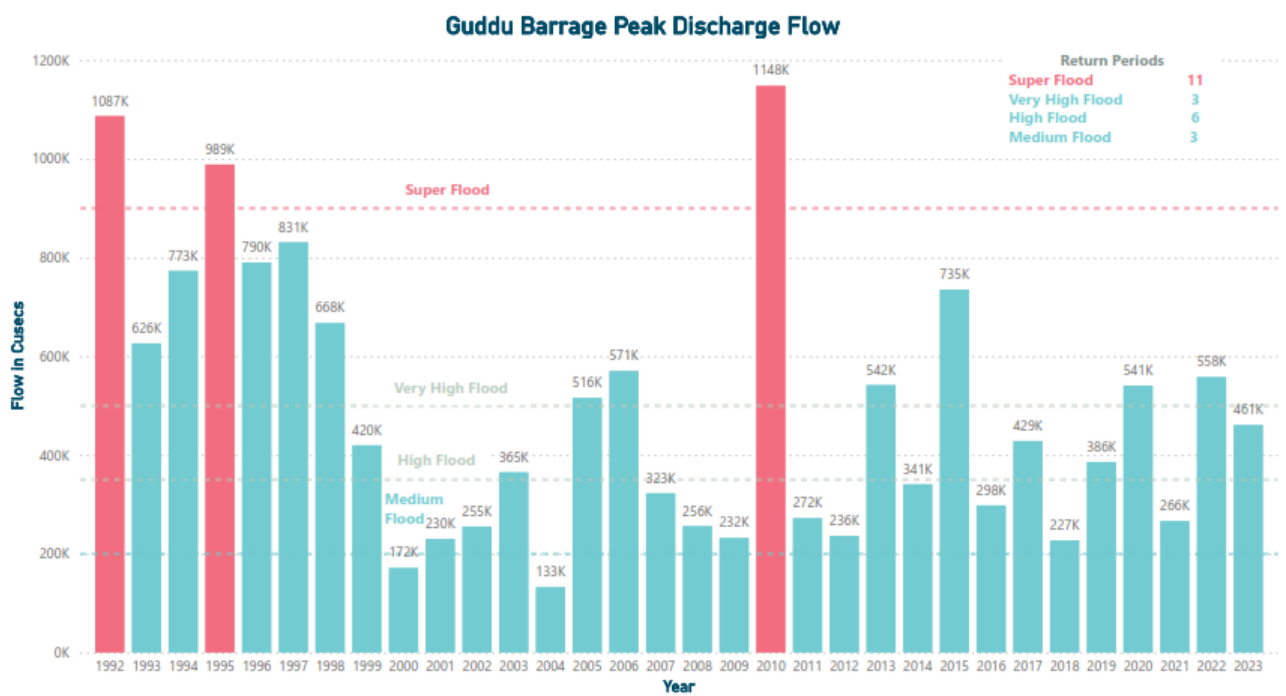
**1.7 Past Flow Trends at Barrages**

Observed peak discharge data from 1992 to 2023 has been analyzed to understand natural trends at different barrages of Sindh. The discharge graphs of Guddu, Sukkur and Kotri are shown in graph 1.7.1, 1.7.2 and 1.7.3 respectively. During this period, Guddu Barrage encountered 3 Super floods, 11 Very High, 5 High and

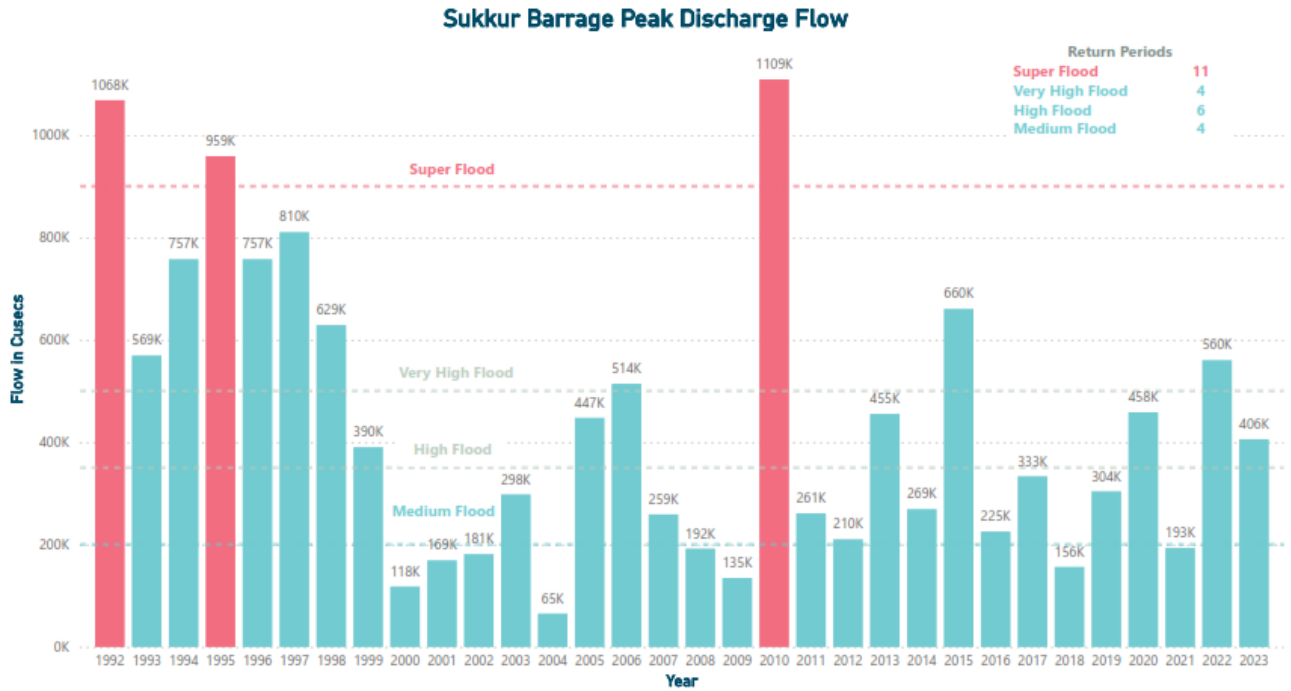
11 Medium floods. The period from 1992 to 1998 remained wet and successive high to very floods occurred during this period. After interval of 12 years, the barrage encountered Super Flood in 2010. The trend shows that, on average, a Super Flood occurred after 11 years at Guddu Barrage, while Very High after 3,

High after 6 and Medium flood after 3 years. During the period, Sukkur Barrage encountered 3 Super Flood, 8 Very High, 5 High and 8 Medium Floods. The average interval between super floods is 11 years, while Very High, High, and Medium floods occurred after 4,6,4 years respectively.

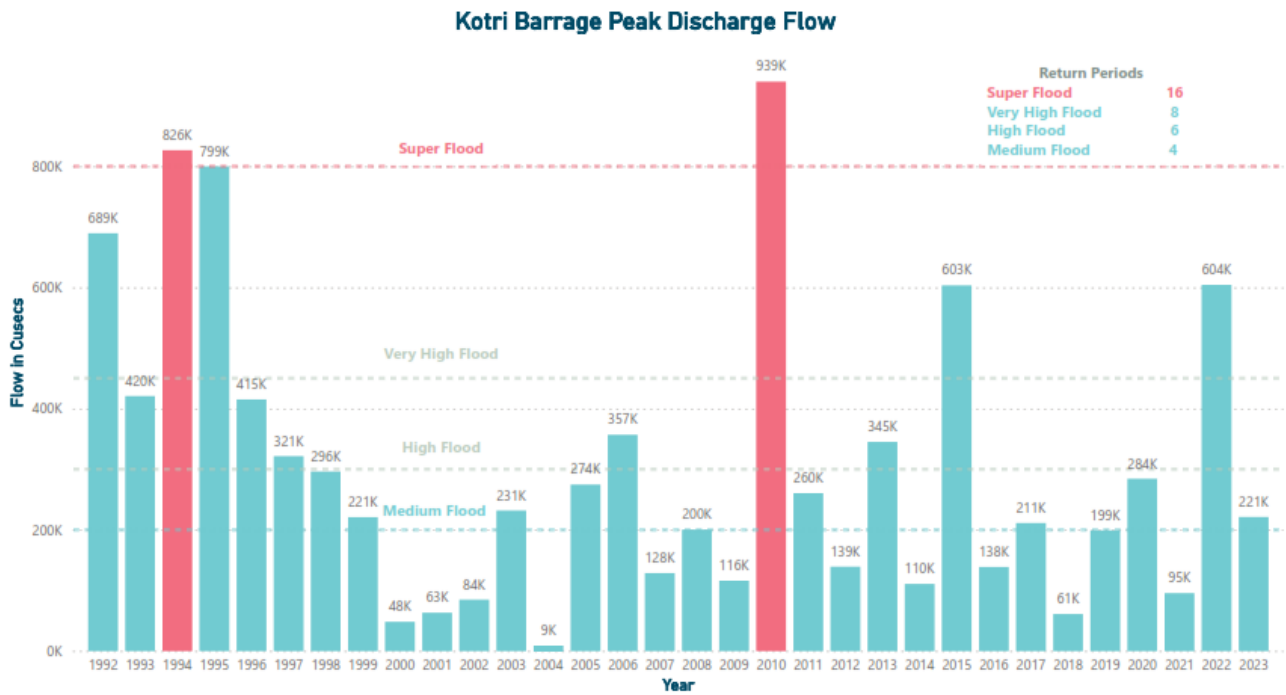
During the period, Kotri Barrage encountered 2 Super Flood, 4 Very High, 5 High and 8 Medium Floods. The average interval between super floods is 16 years, while Very High, High, and Medium floods occurred after 8,6,4 years respectively.



Graph 1.7.1 Peak Discharge Flow of Guddu Barrage



Graph 1.7.2 Peak Discharge Flow of Sukkur Barrage



Graph 1.7.3 Peak Discharge Flow of Kotri Barrage

## Chapter 2: Extended / Seasonal Forecast for Monsoon 2024

### 2.1 Preamble

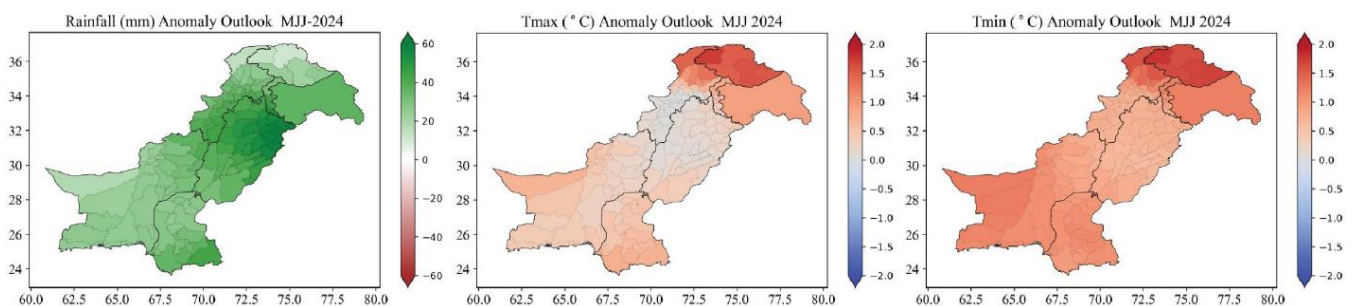
A disaster contingency plan usually relies on forecasted or predicted or simulated event and preparedness and response measures are worked out to manage likely untoward situation. The monsoon is a weather phenomenon and advent of modern tools and techniques have enabled scientists to forecast weather with accuracies required for operational decision making.

Regarding preparation of contingency plan, seasonal forecasts published by Pakistan Meteorological Department and South Asian Climate Outlook Forum have been used to comprehend likely situation during Monsoon 2024. In addition, some other globally reputed weather forecast models have been consulted to reassure and assert likely situation. It is highly important to mention that seasonal forecasts are based on climate models and can vary over time, due to various sudden and emerging factors affecting the weather circulations.

### 2.2 Meteorological Seasonal Forecast

#### 2.2.1 MJJ - 2024 Forecast by Pakistan Meteorological Department

Extract of forecast for May-June-July 2024 is reproduced here, and complete forecast is given in Appendix-I.



**1. Synoptic Situation:**

During the season MJJ 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will shift towards the negative phase (La Niña). Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season of 2024. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

**2. Seasonal Outlook (Rainfall):**

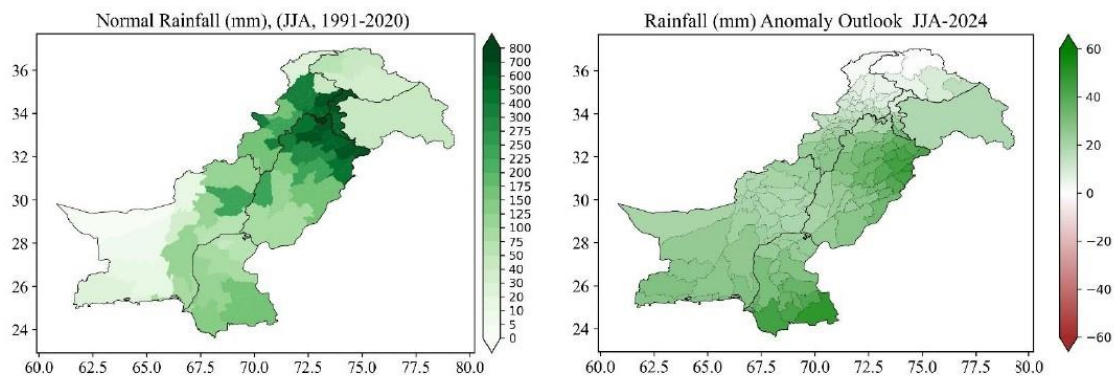
As per seasonal outlook **nearly normal\*** rainfall is expected in most parts of the country, however, the upper half of the country comprising of north-eastern catchments of Punjab and southern Khyber Pakhtunkhwa, as well as, southern parts of Sindh may get slightly above normal rainfall during the season MJJ, 2024.

**4. Impacts:**

- Considerable amount of soil moisture is available in the fields based on the recently prevailed weather conditions, which is expected to persist during the current season.
- Strong winds, dust storms, and hailstorms are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.
- Elevated temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir are anticipated to accelerate snowmelt, consequently increasing river water levels.
- The atmospheric conditions are supportive for the likelihood of heat wave development; especially over the plain areas of the country, particularly over the southern half in the months of May and June.

**2.2.2 JJA – 2024 Forecast by Pakistan Meteorological Department**

Extract of forecast for June-July-August 2024 is reproduced here, and complete forecast is given in Appendix-I



**Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for JJA 2024**

**1. Synoptic Situation:**

During the season JJA 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will persist during the season with a tendency to shift towards the negative phase (La Niña) at the end of the season. Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

**2. Seasonal Outlook (Rainfall):**

As per seasonal outlook **normal\* to above normal** rainfall is expected in most parts of the country, with maximum departure over central to northern Punjab and southern Sindh. Northern Khyber Pakhtunkhwa and Gilgit Baltistan may get nearly normal rainfall whereas most parts of Balochistan may get slightly above normal rainfall during the season JJA 2024. Moreover, the second half of the season is expected to be wetter than the first half.

**4. Impacts:**

- High temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir may accelerate snowmelt, increasing river flow.
- Based on recent weather conditions, a considerable amount of soil moisture is currently available in the fields. However, rising temperatures may reduce moisture content before the onset of monsoon. Therefore, farmers are advised to irrigate according to the needs of their crops.
- Day time temperature is likely to remain above normal all over the country during start of the forecast period but the expected rains towards the end of the season will normalize the high temperature.
- Strong winds, dust storms, and gusts are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas of Koh-e-Suleman and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.
- The atmospheric conditions are supportive for the likelihood of heat wave development; particularly over the plain areas of the country, especially over the southern half in the month of June.

### 2.2.3 JAS - 2024 Forecast by Pakistan Meteorological Department

Extract of forecast for July-August-September 2024 is reproduced here, and complete forecast is given in Appendix-I

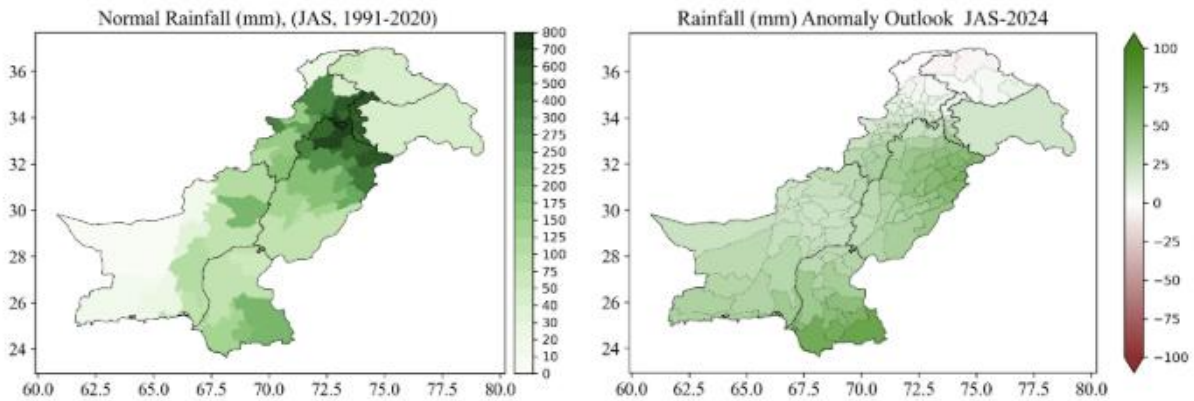


Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for monsoon 2024

#### 1. Synoptic Situation

During the monsoon season 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will persist during the season with a tendency to shift towards the negative phase (La Niña) at the end of the season. Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

#### 2. Seasonal Outlook (Rainfall):

As per seasonal outlook **normal\* to above normal** rainfall is expected in most parts of the country, with maximum departure over upper Punjab and lower Sindh. On the other hand, northern Khyber Pakhtunkhwa and Gilgit Baltistan may get nearly normal rainfall whereas most parts of Balochistan may receive slightly above normal rainfall during the season.

#### 4. Impacts:

- High temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir may accelerate snowmelt, increasing river flow.
- Based on recent weather conditions, a considerable amount of soil moisture is currently available in the fields. However, rising temperatures may reduce moisture content before the onset of monsoon. Therefore, farmers are advised to irrigate according to the needs of their crops.
- Day time temperature is likely to remain above normal all over the country during start of the forecast period but the expected rains towards the end of the season will normalize the high temperature.
- Strong winds, dust storms, and gusts are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas of koh-e-Suleman and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.

### 2.2.4 June - September 2024 Forecast by South Asian Climate Outlook Forum

SASCOF is consortium of meteorologists and hydrological experts from South Asian countries, including Afghanistan, Pakistan, India, Nepal, Bangladesh, Sri Lanka, Bhutan, and Myanmar. The forum is technically supported by World Meteorological Organization (WMO) and other meteorological departments of various countries including UK, Australia and Japan.

Extract of forecast is reproduced below;

According to Long Range Forecast (LRF) of SASCOF

- Above normal rainfall is most likely during the 2024 southwest monsoon season (June - September)



- El Niño conditions are likely to weaken to neutral during early part of the southwest monsoon season
- La Niña conditions are likely to develop during second half of the southwest monsoon season
- Almost entire Pakistan is likely to receive above normal rains. The rainfall anomaly in Sindh province ranges between 35% to 55% above normal rains. Karachi division and Jamshoro, Dadu, Hyderabad, Mirpurkhas, SBA, Jacobabad, Kashmore, Kamber Shahdadkot, Shikarpur, Larkana, Naushahro Feroze, Khairpur, Sukkur districts are expected to receive 45% - 55% above normal rains. While remaining lands of the Province are expected to receive 35% - 45% above normal rains.

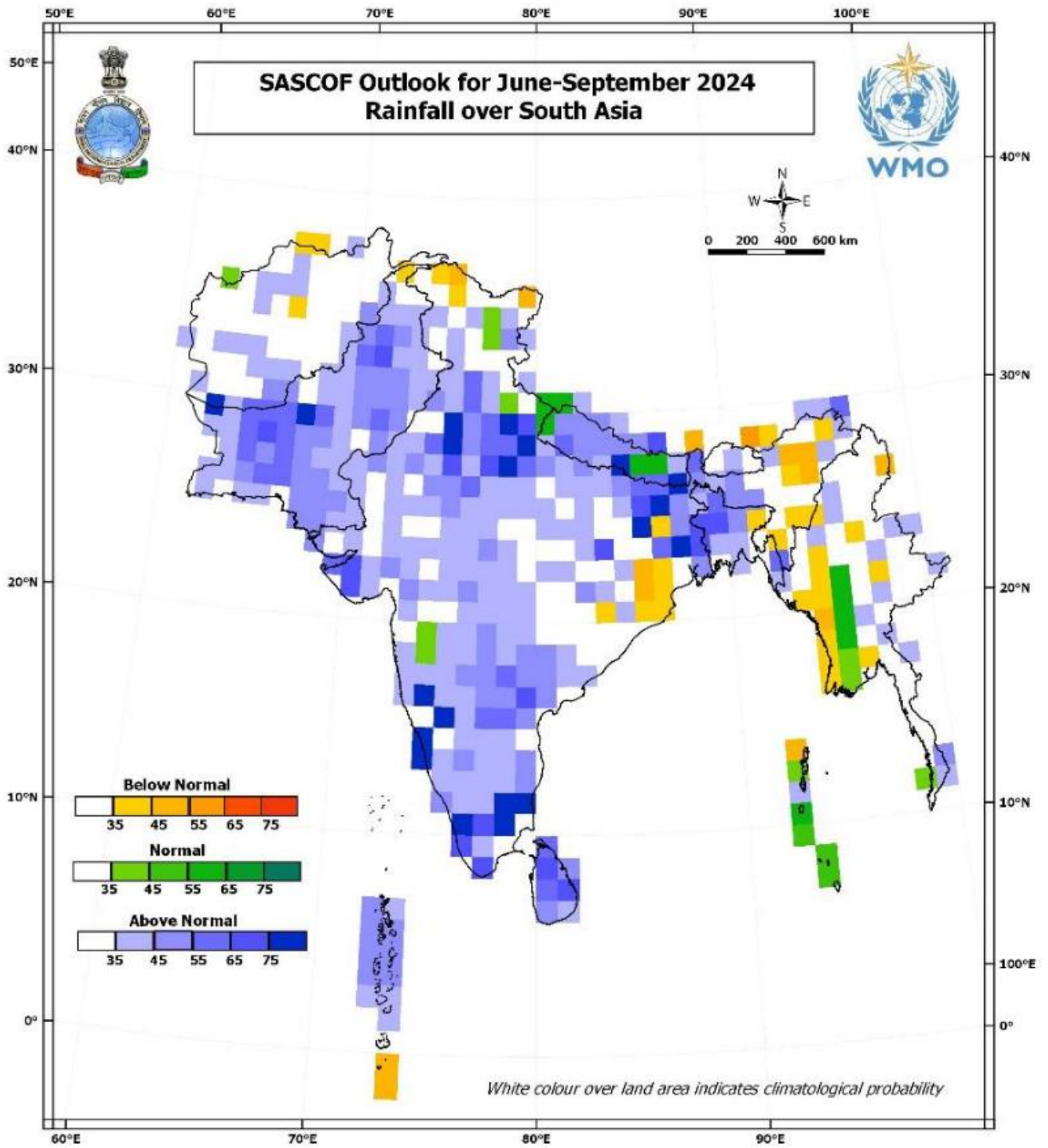


Figure 2.2.4 SASCOF Outlook

## 2.2.5 Indian Meteorological Department (IMD)

### 2.2.5.1 MJJ - 2024

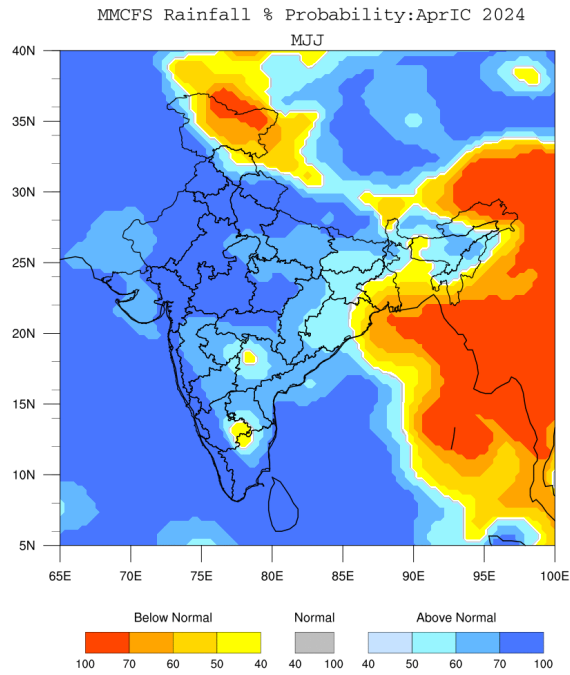


Figure 2.2.5.1 IMD – May-June-July 2024

### 2.2.5.2 JJA - 2024

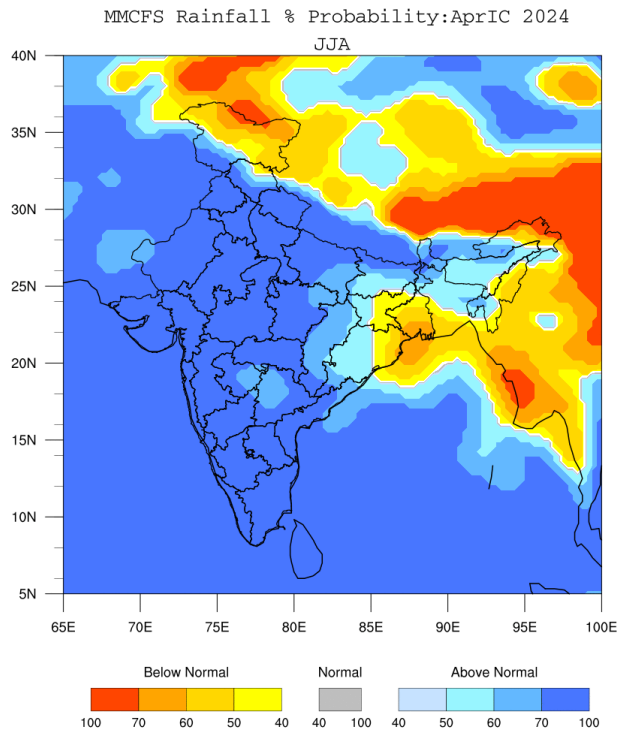


Figure 2.2.5.2 IMD – June-July-August 2024

Indian Meteorological Department (IMD) also issue seasonal forecasts for the region and has been consulted in drawing overall monsoon 2024 behavior in the region. The seasonal forecast for May-June-July and June-July-August is

given in Figure 2.2.3.1-2. The forecast is given in percent probability above normal rains, it can concluded that the probability ranges between 60-70% for May-June-July and 70-100% for June-July-August for Sindh province.

### 2.2.6 ECMWF Seasonal Forecast

Precipitation – SEAS5

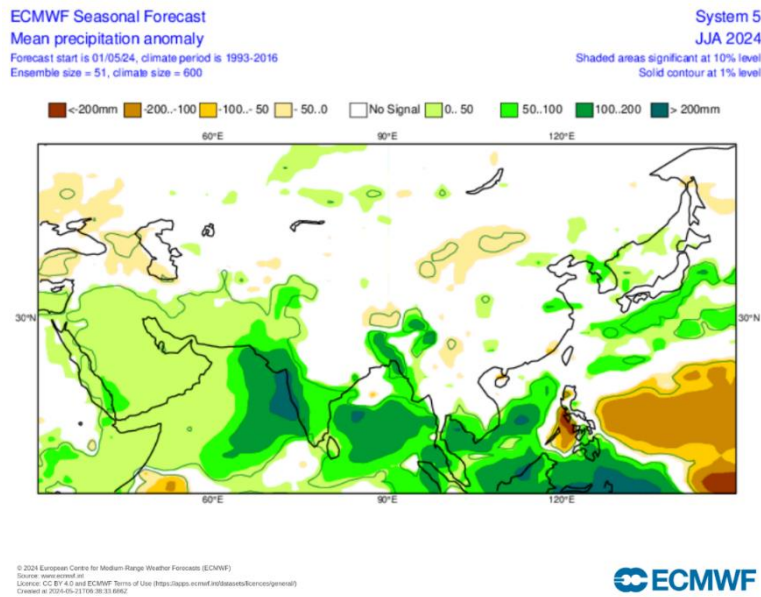


Figure 2.2.6.1 ECMWF – June-July-August 2024

Precipitation – SEAS5

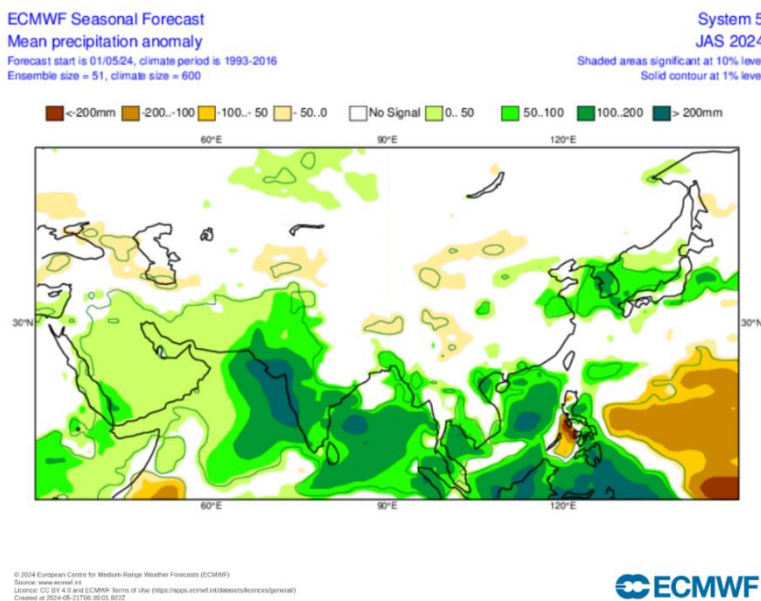


Figure 2.2.6.2 ECMWF – July-August- September 2024

European Center for Medium Range Weather Forecast is a global recognized weather forecast model operated by European Union. The seasonal forecast suggest that Monsoon 2024 is likely to be

wetter. Sindh province is likely to receiver 50-200 mm above normal rains. Sindh is likely to receive more rains during July and August.

### 2.3 Hydrological Seasonal Forecast

Global Flood Awareness System (GloFAS) is a hydrological model to monitor surface runoff specifically in river and river basins. The GloFAS primarily uses ECMWF short, medium and long-range forecast to ascertain runoffs in major rivers and basins

around the globe. GloFAS provides probabilistic hydrological predictions and overviews on time scale from days to months. The probabilistic river flow maps given Figure 2.3 are seasonal hydrological outlook summarizes for upcoming 4 months.

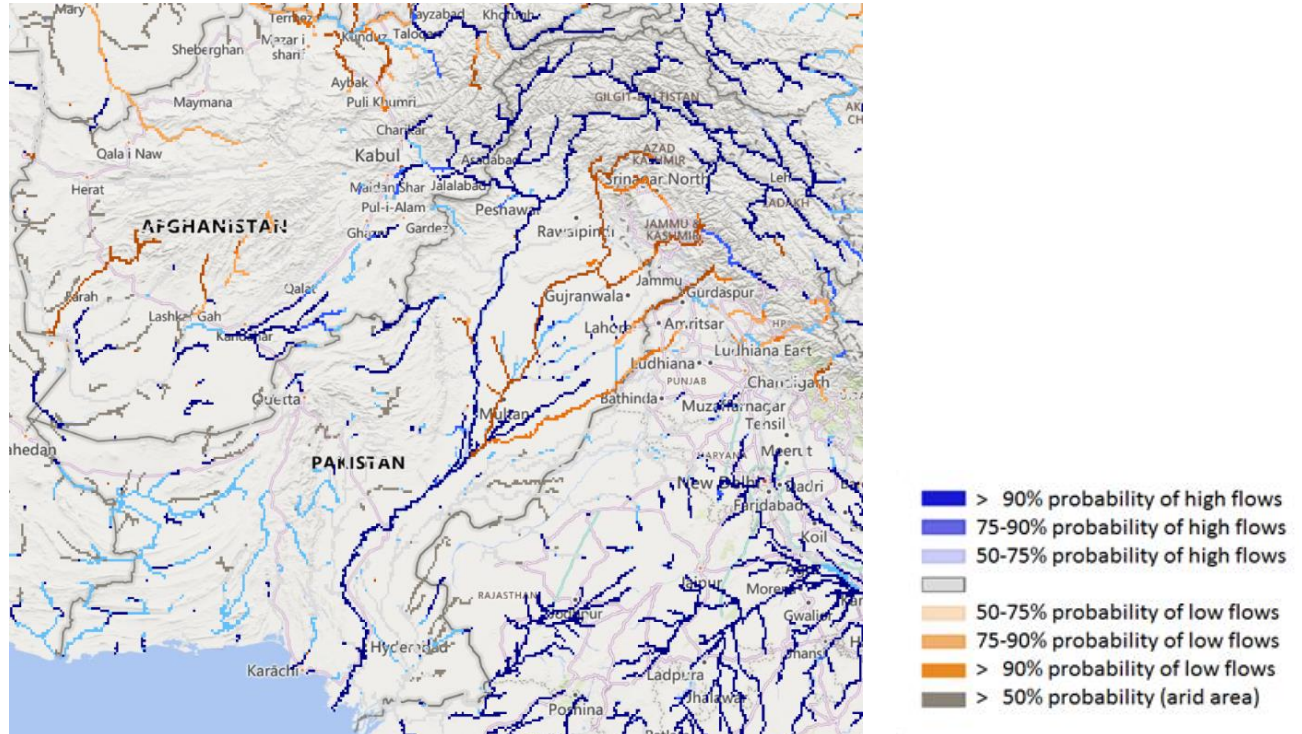


Figure 2.3 GloFAS Seasonal Hydrological Outlook – River Network

As shown in Figure 2.3 there is greater than 90% probability for high flows in

Indus River, Malir River and Hub River and its system. This signifies that

Monsoon 2024 is likely to bring major runoffs resulting in riverine floods.

## 2.4 Conclusions drawn through Hydro - Metrological Forecasts

Based on long range / seasonal forecasts following is concluded with respect to Sindh province;

- Current **El Niño** conditions are expected to cause higher temperatures and heatwaves during pre-monsoon period.
- Weakening **El Niño** in the early monsoon and likelihood of development of **La Niña** conditions in the second half of monsoon are expected to bring above normal rains in the months of July, August till September.
- Raised temperatures are likely to melt snow and glaciers in upper Indus Basin and expected above normal rains in upper Indus basin can generate runoff in Indus which can cause **High Flows** (500,000 – 900,000 cusecs) in part of Indus flowing in Sindh during July – September.
- Due to high temperatures, more water consumption for agriculture and domestic purposes is expected during the pre-monsoon season.
- Above normal rains if persistent during the latter half of monsoon can likely cause flooding in urban dwellings and can cause runoff/water accumulation in rural areas.
- There are similarities between 2022 and 2024 seasonal forecasts, therefore similar heavy rainfall as happened in 2022 is expected in different parts of the Province. Based on hydrological models and return periods determined through historical events, there is high chance of High Flows in Indus River.

## 2.5 Monsoon Onset

Monsoon is predominantly weather pattern developed in Arabian Sea and Indian Ocean by reversal of trade winds which produce favorable weather conditions for rains. Inland interaction of low and high pressures cause moisture to travel over vast lands of South Asia and conduction forms the clouds resulting in rains. The figure-2.5 shows advancement of southwest

monsoon 2024 (courtesy by Indian Meteorological Department). As shown in Figure 2.5, the normal onset of monsoon progression is shown in red lines while actual dates in blue lines. The actual onset of monsoon has already been started two days earlier than its normal onset over Indian basin and territorial lands of Sri Lanka and India.

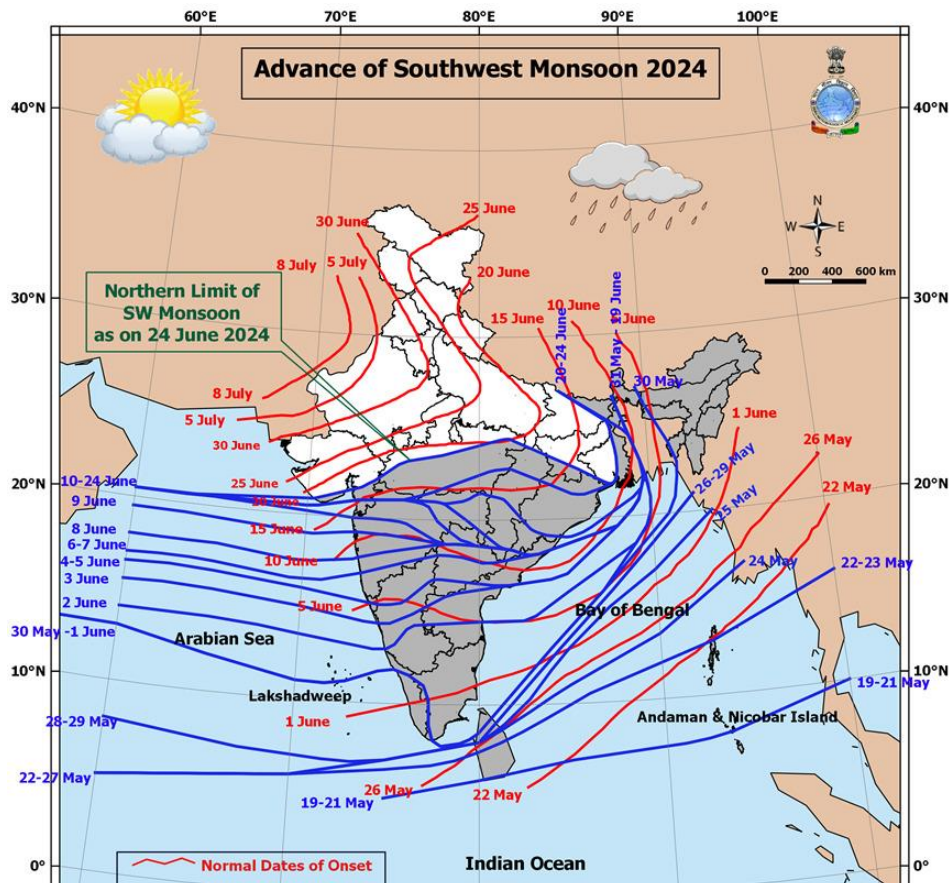


Figure 2.5 Advancement of Southwest Monsoon 2024

**Cautions:** Extended / long-range weather forecasts are based on climate modeling. Climate change impacts have altered the weather patterns; therefore, it is necessary to monitor short-range weather forecasts on regular basis and prepare accordingly to avoid untoward situations.

## Chapter 3: Likely Scenarios and Effects

### 3.1 Riverine Flood

#### 3.1.1 Preamble

Contingency plans are prepared in purview of any abnormal situation which has the potential to disturb the normal flow of life or any business. Contingency plan is in fact 'Plan B' prepared to manage the situation and bring life back to normal in the shortest possible time. To ascertain likely situations in disaster management, forecasts for forecastable hazards form the backbone of contingency plan. Provincial Monsoon Contingency Plan 2024 is based on extended forecasts discussed in Chapter 2. Following scenarios have been considered while determining likely effects and according precautionary and preparedness measures.

- Overall country and Sindh Province is likely to receive above normal rainfall. Therefore, high possibility of runoffs resulting in urban and riverine flooding.
- Floods in Indus River are combined outcome of snow - glacier melt and rains in upper Indus basin. During Monsoon 2024, upper Indus basin is likely to receive above normal rains, hence, combined runoff generated by rains and snow - glacial melt is likely to generate floods in major rivers. Based on hydrological models and return periods, accumulated flows in Indus River at barrages of Sindh can receive High Flows (500, 000 - 900,000 cusecs).
- As High Flows (500, 000 - 900,000 cusecs) is expected at different barrages in Sindh. The population residing within flood-plain is likely to receive major impact of flood. In view caseload considering population within flood-plain have been calculated.

**Note:** *The caseload for riverine flood has been considered keeping in view the flooding within flood-plain. However, in case of occurrence of any breach in flood protective embankments the caseload will exponentially increase depending upon the location of breach.*



For determination of impacts of riverine flood, hydrological model has been used to simulate likely scenarios under different flows at barrages. The simulation results have been overlaid on various datasets used in Disaster

Management Information System (DMIS) developed by PDMA Sindh to ascertain likely impacts on life and livelihood resources within the floodplain.

### 3.1.2 Possible Effects on Human Population and Critical Elements

High Flows scenario has been simulated to estimate extents of flood inundation, population and other critical elements likely to be affected. Summary of human population, critical infrastructure, and landuse likely to be affected is presented

**Scenario: High Flows (500,000 – 900,000 cusecs)**

S#	District	Total Population	Exposed Population	Household	Crop (acres)	No of Villages	Education Facilities	Health Facilities
1	Ghotki	1,925,289	36,400	6,067	40,192	64	7	-
2	Kashmore	1,288,240	116,219	19,370	78,879	91	29	-
3	Shikarpur	1,400,356	19,310	3,218	51,801	35	14	-
4	Sukkur	884,291	57,708	9,618	89,618	119	37	-
5	Dadu	1,771,954	27,981	4,664	99,199	21	28	-
6	Hyderabad	2,505,903	5,073	845	12,522	6	3	-
7	Jamshoro	1,148,327	46,951	7,825	73,061	28	37	-
8	Khairpur	2,776,448	59,516	9,919	106,762	43	80	-
9	Larkana	1,759,446	13,149	2,191	47,863	13	2	-
10	Matiari	887,975	9,979	1,663	65,019	14	4	-
11	Naushahro Feroze	1,878,337	17,117	2,853	73,048	27	-	-
12	Shaheed Benazirabad	1,914,096	27,453	4,575	80,012	21	18	-
13	Sujawal	902,534	76,420	12,737	52,113	48	-	-
14	Tando Muhammad Khan	837,921	5,502	917	5,714	7	2	-
15	Thatta	1,128,756	78,339	13,057	88,932	106	-	2
	<b>Total</b>	<b>23,009,874</b>	<b>597,115</b>	<b>99,519</b>	<b>964,735</b>	<b>643</b>	<b>261</b>	<b>2</b>

Table 3.1.2.2 District wise possible effects in case of high flows.

Detailed information on possible effects on human population and critical elements at Union Council level is given at Appendix II

**Note:** The possible effects of riverine flood have been ascertained through Seasonal Hydrological Forecast. The details are given in section 2.3. As per forecast, there is ≥ 95% chance of High Flows in Indus River. The High Flows at barrages in Indus are considered to be in range between 500,000 – 900,000 Cusecs. Caseload for riverine flood is calculated considering maximum High Flows at barrages of Sindh.

**Note:**

1. Estimated population has been calculated with following method;  
**Estimated 2024 Population** = (Population and Census of 2017 x 2.57% (growth rate of Sindh province
2. Average household has been estimated as;  
**Household** = Estimated Population likely to be Affected / 6 (six persons per family)

### 3.1.3. Relief Caseload

The anticipated flows in Indus at barrages of Sindh is likely to be in range between 500, 000 – 900,000 cusecs which may develop significant human

disturbance within floodplain. High flows are expected to prevail during monsoon 2024.

### Caseload and Relief Requirements

Scenario	Population likely to be affected	Household Likely to be affected	***Relief Requirements
High Flows (500,000 – 900,000)	597,115	99,519	1. 99,519x family size tents to accommodate 6 (average) person’s family  2. 99,519x chatai for flooring in tent  3. 99,519x water coolers/Jerry Cans  *4. 199x relief camps for entire Province (500 families per camp i.e., household / number camps)  5. ****3,160 portable toilets (40 in each camp. 20x for women and children. 20x for men)

Scenario	Population likely to be affected	Household Likely to be affected	***Relief Requirements
			<p>6. 99,519x solar powered light and fan (1x for each household)</p> <p>7. 1,990x water tank of (250 gallons capacity 10x for each camp)</p> <p>8. 298,557 Cotton Mattress (3 mats per household)</p> <p>9. 99,519x hygiene kits (items in hygiene kit can vary according to women and girl population)</p> <p>10. 298,557 mosquito nets (3 nets per household)</p> <p>11. 99,519 Animal Mosquito Nets (1 net per household)</p> <p>**12. 99,519 kitchen sets (essential utensils only i.e., plates, glasses, cooking pots etc.)</p> <p>13. 398 Filtration units (2 per relief camp)</p> <p>**14. 99,519 ration bags (with essential food items and quantity sufficient for 15 days consumption per family)</p>

Table 3.1.4.1 High Flows - Actual caseload calculation and relief requirements

\*Number of camps can be decided by DDMA's based on ground situation and requirements. The camps in government buildings shall be highly discouraged.

\*\*The affectees shall be provided basic utensils and cooked food in relief camps and tent cities. However, during repatriation process kitchen sets and ration bags shall be provided to affectees.

\*\*\* Relief requirements have been calculated as per NDMA guidelines and PDMA Sindh recommendation based on past experiences.

\*\*\*\* Requirements for portable toilets have been calculated for **tent cities only** identified by DDMA's.

**Note:** For evacuation of population from flood plain 159x boats with OBM shall be required. 01 boat per 4500 persons is recommended in NDMA guidelines. Arrangement shall be made by DDMA's and rescue agencies.

### 3.2 Rainfall and Flash Flooding and Likely Effects

#### Precipitation 10 - 20 mm in Seasonal Forecast of June Month

District	Precipitation in mm			Estimated Exposed Household Living in Katcha Houses	Exposed Crop Area in Acres
	Normal	Anomaly	Seasonal Forecast 2024		
Badin	12.2	20	32.2	4,466	217,203
Sujawal	10.84	20	30.84	12,619	387,464
Tharparkar	14.9	20	34.9	19,528	1,364,119
Thatta	10.73	20	30.73	8,309	344,653
<b>Total</b>				<b>44,922</b>	<b>2,313,440</b>

Table 3.2.1 District wise 10 - 20 mm precipitation anomaly for June with exposed households and crop area

#### Precipitation 30-60 mm in Seasonal Forecast of July Month

District	Precipitation in mm			Estimated Exposed Household Living in Katcha Houses	Exposed Crop Area in Acres
	Normal	Anomaly	Seasonal Forecast 2024		
Badin	73.6	40	113.6	34,643	1,280,767
Dadu	36.95	40	76.95	18,206	987,611
Hyderabad	42.3	40	82.3	1,531	172,321
Jamshoro	45.11	40	85.11	17,563	405,741
Khairpur	37.09	40	77.09	22,920	312,706
Larkana	33.8	40	73.8	2,436	342,365
Matiari	45.37	40	85.37	3,776	319,495
Mirpurkhas	58.01	40	98.01	9,294	559,181
Naushahro Feroze	39.3	40	79.3	3,406	562,205
Sanghar	50.29	40	90.29	2,421	387,593
SBA	48.09	40	88.09	1,694	725,236
Tando Allahyar	47.69	40	87.69	164	338,622
TMK	52.58	40	92.58	5,890	386,703
Tharparkar	61.5	40	101.5	20,337	1,771,997
Thatta	50.87	40	90.87	30,799	622,155
Umerkot	70.2	40	110.2	3,136	152,640
Karachi	53.2	60	113.2	2,232	103,908

Kamber	31.73	60	91.73	513	478,295
Sujawal	56.63	60	116.63	13,050	613,104
<b>Total</b>				<b>194,011</b>	<b>10,522,645</b>

Table 3.2.2 District wise 30 - 60 mm precipitation anomaly for July with exposed households and crop area

### Precipitation 30-60 mm in Seasonal Forecast of August Month

District	Precipitation in mm			Estimated Exposed Household Living in Katcha Houses	Exposed Crop Area in Acres
	Normal	Anomaly	Seasonal Forecast 2024		
Badin	79.9	40	119.9	34,302	1,276,644
Dadu	43	40	83	18,207	987,610
Hyderabad	66.6	40	106.6	1,531	172,321
Jamshoro	55.78	40	95.78	17,562	405,742
Khairpur	40.5	40	80.5	15,978	103,908
Larkana	35.2	40	75.2	945	195,337
Matiari	58.85	40	98.85	3,776	186,202
Mirpurkhas	67.3	40	107.3	302	319,495
Naushahro Feroze	46.4	40	86.4	3,405	60,415
Sanghar	57.45	40	97.45	600	561,281
Sujawal	66.39	60	126.39	13,050	265,757
Karachi	64.6	60	124.6	2,232	103,908
Kambar Shahdadkot	36.74	40	76.74	513	736,150
SBA	51.6	40	91.6	1,694	613,104
Tando Allahyar	63.51	40	103.51	58	215,404
TMK	67.61	40	107.61	5,890	386,703
Tharparkar	68.01	40	108.01	1,471	171,470
Thatta	62.29	40	102.29	30,798	622,156
<b>Total</b>				<b>152,315</b>	<b>7,383,607</b>

Table 3.2.3 District wise 30 - 60 mm precipitation anomaly for August with exposed households and crop area

### Precipitation 20-30 mm in Seasonal Forecast of September Month

District	Precipitation in mm			Estimated Exposed Household Living in Katcha Houses	Exposed Crop Area in Acres
	Normal	Anomaly	Seasonal Forecast 2024		
Badin	37.9	30	67.9	34,643	1,280,768
Hyderabad	23.8	30	53.8	-	36,277
Karachi	23.6	30	53.6	-	5,175
Mirpurkhas	36.85	30	66.85	10,388	598,378
Sangha	32.79	30	62.79	21,112	290,391
Sujawal	30.74	30	60.74	13,050	613,104

Tando Allahyar	27.82	30	57.82	164	152,336
TMK	29.14	30	59.14	4,267	382,313
Tharparkar	44.71	30	74.71	1,501	359,018
Thatta	26.71	30	56.71	20,934	500,265
Umerkot	59.1	30	89.1	14,785	673,034
<b>Total</b>				<b>120,843</b>	<b>4,891,058</b>

Table 3.2.4 District wise 20 - 30 mm precipitation anomaly for September with exposed households and crop area

**Note:** The seasonal forecast issued by European Center for Medium Range Forecast (ECMWF) have been used for determining the monsoon effects for the Province. The precipitation is given in millimeters (mm) and represent monthly rainfall average.

### 3.2.1 Caseload Calculations in wake of Rain induced Flooding in Sindh:

During 2022 the situation remained normal/near normal till the end of July. The successive prolonged spells of rains which occurred during second week of August 2022 created much havoc because the surface drainages and soil percolation attained saturation due to rain spells occurred in June and July. The continuous rain spells caused the stagnation of water around the villages, which in conjunction with rain, weakened the Katcha and old houses, which resulted in structural collapse. As

similar weather forecasted for Monsoon 2024 therefore, the caseload has been calculated with the assumption of maximum damages likely to occur during the month of August.

It is further emphasized that the caseload has been calculated keeping in view the establishment of camp cities at Union Council level in all districts likely to receive major impact of Monsoon 2024.

Scenario	Estimated Exposed Population living in Katcha Houses	Estimated Exposed Household living in *Katcha Houses	**Relief Requirements
Seasonal Forecast for the months of July - August (30- 60 Anomaly Precipitation)	913,888	152,315	1. 152,315x family size tents to accommodate 6 (average) person’s family  2. 152,315x chatai for flooring in tent  3. 350x relief camps for entire Province (500 families per camp i.e.,

Scenario	Estimated Exposed Population living in Katcha Houses	Estimated Exposed Household living in *Katcha Houses	**Relief Requirements
			<p>household / number camps)</p> <p>4. ***5,080 portable toilets (40 in each camp. 20x for women and children. 20x for males)</p> <p>5. 152,315x solar powered light and fan (1x for each household)</p> <p>6. 3500x water tank (250 gallons' capacity 10x for each camp)</p> <p>7. 456,945 Cotton Mattress (3 mats per household)</p> <p>8. 152,315x water coolers/Jerry Cans</p> <p>9. 152,315x hygiene kits (items in hygiene kit can vary according to women and girl population)</p> <p>10. 456,945 mosquito nets (3 nets per household)</p> <p>11. 152,315 Animal Mosquito Nets (1 net per household)</p> <p>12. 152,315x kitchen sets (essential utensils only i.e., plates, glasses, cooking pots etc.)</p> <p>13. 700 Filtration Units (2 per relief camps)</p> <p>14. 152,315 ration bags (with essential food items</p>

Scenario	Estimated Exposed Population living in Katcha Houses	Estimated Exposed Household living in *Katcha Houses	**Relief Requirements
			and quantity sufficient for 15 days consumption per family)

Table 3.2.1.1 Urban Flooding - Caseload calculation and relief requirements

\* The classification of Katcha houses is extracted/drived through high resolution satellite imagery pertaining to 2019 – 2020, changes might have taken place over the period of time and particularly after rain induced floods of 2022.

\*\* Relief requirements have been calculated as per NDMA guidelines and PDMA Sindh recommendation based on past experiences.

\*\*\* Requirements for portable toilets have been calculated for tent cities only identified by DDMA's.

### 3.2.2 Forecasted vs Actual Scenario during 2022

It is important to note that similar seasonal weather situation was forecasted by Pakistan Meteorological Department, SASCOF, and Indian Meteorological Department. However,

the actual rainfall remained much higher than expected which caused devastation in the Province. The anticipated and actual rainfall during monsoon 2022 is given in Table 3.2.2.1.

Station	Anticipated Precipitation	Actual Precipitation	Difference
Badin	74	166	125%
Chhor	81	196	141%
Hyderabad	50	123	144%
Jacobabad	38	199	430%
Karachi A/P	56	135	139%
Larkana	33	224	584%
SBA	52	162	212%
Padidan	39	441	1026%
Rohri	28	172	510%
Sukkur	23	162	604%
Moen Jo Daro	28	248	784%

Table 3.2.2.1 Anticipated and Actual rainfall during monsoon 2022

The Table 3.2.2.2 shows the humanitarian impacts of rains and consequent flooding during 2022. PDMA along with other stakeholders

provided rescue and relief to affected population and quantum of relief is given in Table 3.2.2.3.



### Impacts of Rains and Flood during Monsoon 2022

<b>Population Affected</b>	12,356,860
<b>Household Affected</b>	2,366,393
<b>Total Deaths</b>	1,093
<b>Total Injured Persons</b>	8,422
<b>House Damaged Partially</b>	650,272
<b>House Damaged Fully</b>	1,436,914
<b>Livestock Perished</b>	436,435
<b>Roads (KM)</b>	8,463
<b>Crop Area Affected(acres)</b>	3,777,272
<b>Total Population Displaced</b>	7,383,023

Table 3.2.2.2 Impact of heavy rains and flooding in 2022

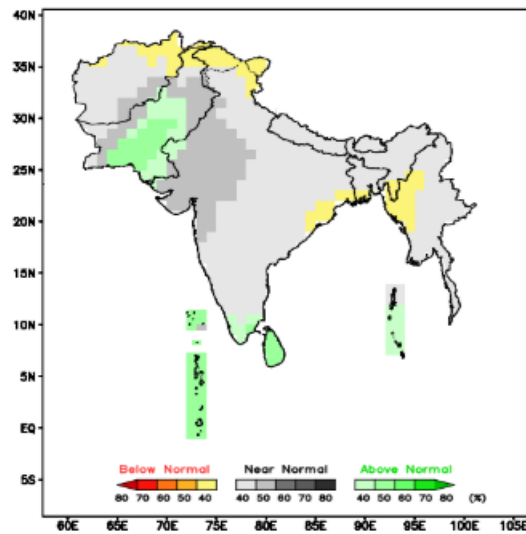
### Relief Provided During Monsoon 2022

<b>Tents</b>	941,538
<b>Tarpaulin</b>	622,070
<b>Mosquito Nets</b>	3,976,600
<b>Animal Mosquito Nets</b>	91,654
<b>Ration Bags</b>	2,553,421
<b>Water (litres)</b>	812,773
<b>Medicines (Tons)</b>	100
<b>Cotton Mattress</b>	96,469
<b>Blankets</b>	1,837,211
<b>Jerry Cans</b>	112,075
<b>RO Plants</b>	28

Table 3.2.2.3 Relief Provided in 2022

### 3.2.3 Outlook and Impacts of Monsoon 2020

16<sup>th</sup> Session of SASCOF forecasted seasonal scenario during the monsoon 2020. The seasonal outlook is given in Figure 3.2.3. It can be seen that above normal rainfall was forecasted for Sindh, Balochistan, southern Punjab and parts of KP province. The impacts and relief operation for rain induced floods in Sindh are given in Table 3.2.3.1 and 3.2.3.2 respectively.



### Impacts of Rains and Flood during Monsoon 2020

<b>Population Affected</b>	3,535,952
<b>Household Affected</b>	565,453
<b>Total Deaths</b>	145
<b>Total Injured Persons</b>	96
<b>House Damaged Partially</b>	168,544
<b>House Damaged Fully</b>	113,279
<b>Crop Area Affected (acres)</b>	1,120,761
<b>Total Population Displaced</b>	143,234

Table 3.2.3.1 Impact of heavy rains and flooding in 2020

### Relief Provided During Monsoon 2020

<b>Tents</b>	100,930
<b>Tarpaulin</b>	3,780
<b>Mosquito Nets</b>	229,249
<b>Animal Mosquito Nets</b>	57,955
<b>Ration Bags</b>	240,350
<b>Water (litres)</b>	15,000
<b>Blankets</b>	5,300
<b>Jerry Cans</b>	5,680

Table 3.2.3.2 Relief Provided in 2020

*Note: Preparation for monsoon 2024 are recommended in accordance with disastrous situations which occurred during 2020 and 2022 floods in Sindh.*

### 3.3 Arrangements to Mitigate Impacts of Monsoon 2024

On the basis of lessons learned after various disasters in the Province following arrangements are required for prepositioning, monitoring and vigilance.

1. Establishment of inter provincial coordination with concerned departments of Balochistan for monitoring of water discharge entering in Sindh Province.
2. Establishment of relief camps at Union Council level. The number of camps are mentioned in the caseload however, the same maybe finalized by DDMA's in view of ground realities. Cooked food shall be provided to families in relief camps by DDMA's. National and international NGOs, local volunteers working in respective districts shall be encouraged to join hands with concerned department of the government for management of relief camps in the light of guidelines provided in Sindh Disaster Management Policy

(Draft available on <https://pdma.gos.pk/disaster-management-policy/>).

3. All relief and rescue activities by all stakeholders and humanitarian partners shall be carried out in coordination with PDMA Sindh for distribution of relief on requirement basis.
4. Strengthening and vigilance flood protective infrastructure of all river and drainage systems shall be ensured by the concerned departments. Necessary machinery, equipment and man and material resources shall be arranged and prepositioned at highly vulnerable locations to avoid any breaching incident.
5. Union councils in all districts shall be declared as facilitation centers for distribution of relief. Concerned DDMA's shall ensure necessary arrangements and engagement of necessary resources at facilitation centers.

6. Health department shall ensure provision of basic health facilities at relief camps.
7. All concerned departments, NGOs, INGOs, philanthropist organizations and volunteers shall ensure coordinated rescue and relief operations and comply the guidelines issued by PDMA and DDMA during the course of rescue and relief operations.
8. DDMA and other partners and stakeholders shall ensure to record beneficiary information along with necessary details for record keeping at PDMA Sindh. For the purpose a web based and mobile application have been developed by PDMA which can be accessed through <https://pdma.gos.pk/login>.
9. Dewatering of stagnant water shall be carried out by concerned authorities i.e., local government, public health, boards and authorities, municipal corporations and irrigation department.
10. The Humanitarian partners specially working in Sindh are required to work in close coordination with PDMA Sindh for emergent requirements and fulfilling supply demand gaps. Further all stakeholder departments and humanitarian partners are required to align their contingency plan for Sindh province in line with Provincial Monsoon Contingency Plan 2024 of PDMA.
11. Arrangements for sand bags shall be ensured by stakeholders and other humanitarian partners so that same can be utilized for protection of vulnerable bunds, cities and towns such as Jhuddo, Mehar, Johi etc.
12. The concerned departments shall ensure the safety and protection of critical facilities such as power stations and health facilities. Necessary actions such as isolation of facilities through sand bags or earthen embankments

shall be ensured for such critical installations.

13. DDMAAs shall ensure detainment of permanent focal person for entire duration of Monsoon season and relief operations.

14. To mitigate effects of urban flooding all concerned departments, authorities, boards, corporations shall ensure cleanliness of drainage and sewerage systems, working condition of dewatering machinery equipment and shall prepared detailed dewatering

plans with PDMA till mid-June 2024.

15. Irrigation department shall prepare detailed contingency plan for main drainages/minor rivers/nallas for safe flow of water specially from Hamal - Manchar Lake, LBOD system and riverine floods and share with PDMA till mid-June 2024.

16. The Building Control Authority, GoS and relevant Boards and authorities shall ensure evacuation of people from damage/weak residential buildings before onset of monsoon to avoid human losses

## Chapter 4: Preparedness State

The unprecedented situation during 2022 flood stretched provincial capacity to cope with the disaster situation and various local and international actors joined hands with government of Sindh to manage demand and supply for disaster response and relief.

Based on likely scenario modelled through extended weather forecast during monsoon 2024, necessary stocks have been prepared at provincial and district levels to response any untoward situation. Details of available stock are given in successive tables and graphs.

### 4.1 Provincial Level (PDMA) Store Status

#### Machinery

Dewatering Pumps (Varying Power)	572
RO/Filtration Plants (Varying Capacities)	7

#### Hygiene/ Sanitation

Portable Toilet	302
Squat Toilet	310
Clothes/ Sanitary Napkins	10,050
Commode Chair	2,080
Dignity/ Hygiene Kit	20,736

#### Shelter

Tent	301,922
Mosquito Nets	1,930,351
Animal Mosquito Nets	68,975
Tarpaulin	44,303
Water Tank (Varying Capacities)	530
Plastic Mats	61,500



## Household

Blankets	258,425
Plastic Bucket	25,196
Jerry Cans / Water Cooler	67,979
Steel Buckets	60
Kitchen Sets	22,943
Wheel Chair	2,102
Stoves	50
Solar Lamps	280
Solar Home System	236



## Rescue:

Fiber Boats with OBM	45
Life Jackets	6,862
Life Rings	100
Mega Phone	23
Life Living Floating Rope	76
Signboard	99
Emergency Solar Lights	203

Table 4.1 Provincial level (PDMA) store status

## 4.2 Preparedness Status of Partners

### 4.2.1 District Disaster Management Authorities

#### Heavy Machinery

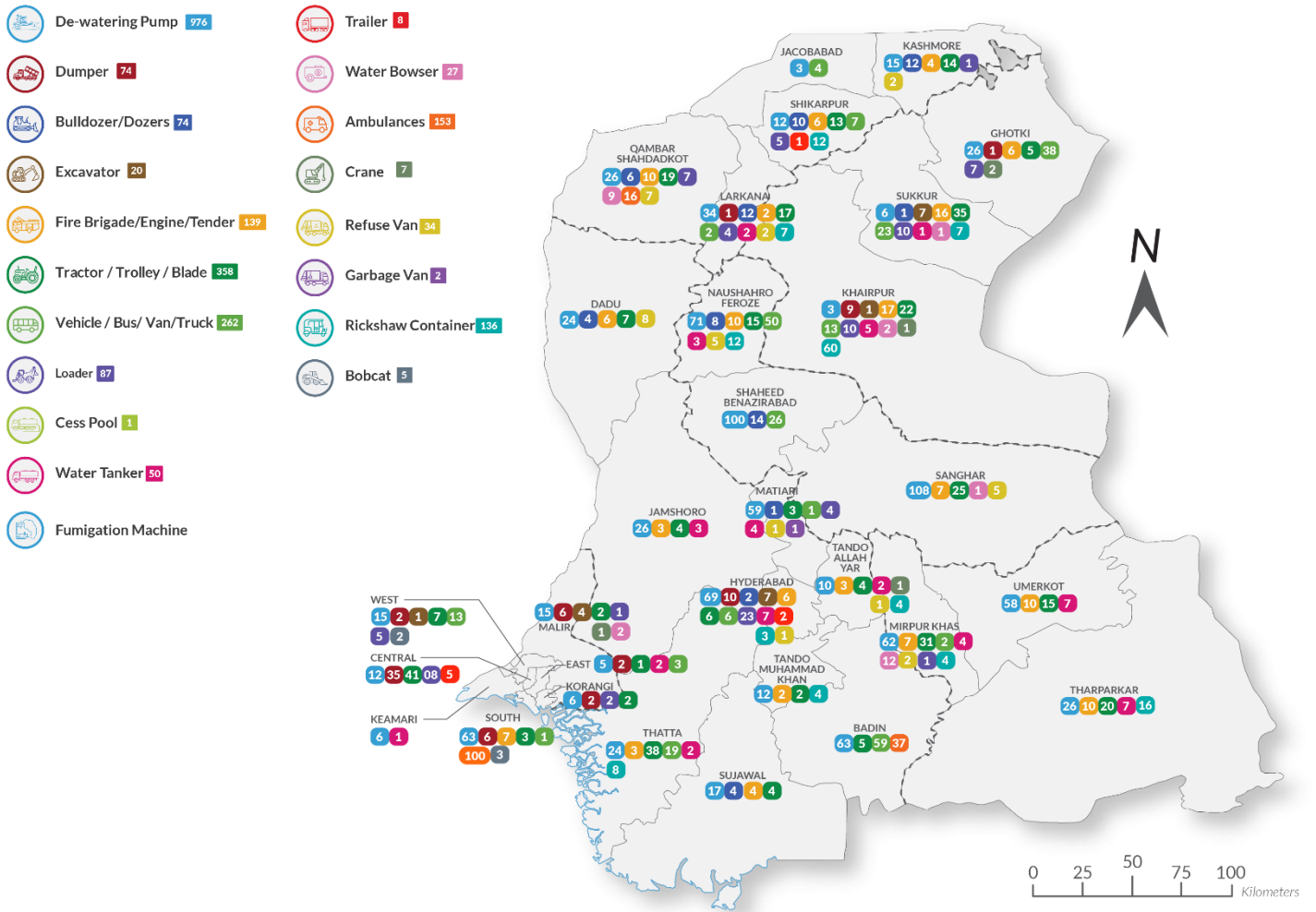


Figure 4.2.1 District wise Heavy Machinery Available



### 4.2.2 Private Owned Resources

#### Heavy Machinery

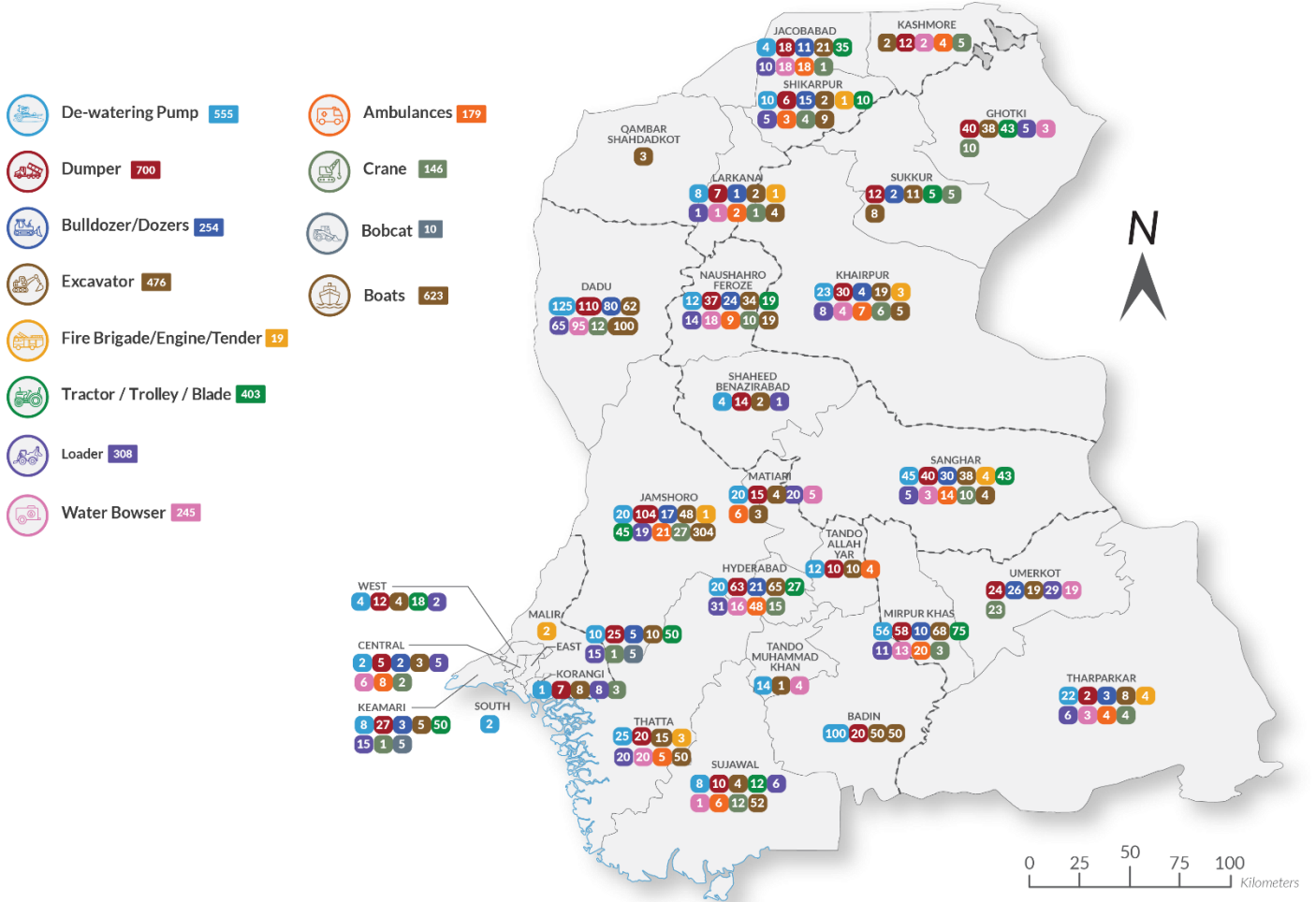


Figure 4.2.2 District wise Private Owned Resources

### 4.3 Supply Demand Gap

Anticipated supply demand gap in relief and response is presented below

S#	Items	Required Quantity	Available Quantity	Shortfall	Roundoff
1	Tents	251,834	301,922	Nil	-
2	Chatai	251,834	61,500	190,334	190,000
3	Water Cooler /Jerry Can	251,834	67,979	183,855	184,000
4	Portable Toilet	8,240	612	7,628	7,600

5	Solar Lights	251,834	483	251,351	252,000
6	Water Tank (250 gallons)	5,490	530	4,960	5,000
7	Hygiene Kits	251,834	20,752	231,082	232,000
8	Mosquito Nets	755,502	1,930,351	Nil	Nil
9	Sleeping Mat/Cotton Mattress	755,502	52,995	702,507	703,000
10	Animal Mosquito Nets	251,834	68,975	182,859	183,000
11	Kitchen Set	251,834	22,943	228,891	229,000
12	Filtration Units	1,098	7	1,091	1,100
13	Ration Bags	251,834	-	Shall be purchased during event	252,000

Table 3.4 Stock Availability and Requirement

### 4.4 Dewatering Pump Distribution Plan

The Contingency Plan 2024 is based on seasonal / extended forecasts and anticipated scenario for Sindh is both riverine and urban floods. In view of urban flooding in major cities/towns of the Province, following arrangements shall be made for dewatering from urban centers;

- Dewatering machines / pumps have been stocked in ready position for deployment
- Necessary resources have been identified for deployment

- All critical / problematic low-lying areas in urban centers have been identified.

Following distribution and deployment plan for dewatering machines shall be followed;

To cater for any emergent requirements, PDMA shall retain rest of the pumps in respective warehouses in ready position to support district disaster management authorities.

S#	Division	Number of Machines (to be deployed by PDMA)
1	Karachi	30 +10 (standby)
2	Hyderabad	20 +5 (standby)
3	Shaheed Benazirabad	5 +2 (standby)
4	Mirpurkhas	20 +5 (standby)
5	Sukkur	5 +2 (standby)

6

Larkana

5 +2 (standby)

#### 4.5 Recommended Relief Camps Location by DDMA's - District Wise

Following is the summary of relief camps identified by DDMA's. Taluka wise details of relief camps are mention in Appendix-V

S#	Division	District	No of Relief Camps
1	Karachi	Karachi East	07
		Karachi West	60
		Karachi South	20
		Karachi Central	12
		Malir	06
		Korangi	05
		Keamari	07
<b>Total</b>			<b>117</b>
2	Hyderabad	Hyderabad	20
		Jamshoro	43
		Dadu	78
		Matiari	34
		Tando Allahyar	88
		Tando Muhammad Khan	33
		Thatta	89
		Sujawal	56
		Badin	20
<b>Total</b>			<b>461</b>
3	Sukkur	Sukkur	24
		Khairpur	20
		Ghotki	13
<b>Total</b>			<b>57</b>
4	Shaheed Benazir Abad	Shaheed Benazirabad	71
		Naushahro Feroze	352
		Sanghar	265
<b>Total</b>			<b>688</b>
5	Larkana	Larkana	48
		Kamber Shahdadkot	08
		Shikarpur	17
		Jacobabad	16
		Kashmore	43
<b>Total</b>			<b>132</b>
6	Mirpurkhas	Mirpurkhas	152
		Umerkot	27
		Tharparkar	38
<b>Total</b>			<b>217</b>
<b>Grand Total</b>			<b>1,672</b>

Table 4.5 Recommended Relief Camps Location by DDMA's – District Wise

## 4.6 Actions to Respond Emergency

- In case, the districts fall short of meeting the humanitarian needs, PDMA, Government of Sindh will assist DDMA's through provision of required stocks. In case, disaster exceeds capacities of the Provincial Government, NDMA will be requested to make available the additional stocks from national reserves, prepositioned across the country.
- When required, Armed Forces may be requested for assistance by PDMA, Government of Sindh at any stage, particularly for rescue, evacuation and emergency relief phases. Thus,
  - the DDMA's will have to submit the request to PDMA for assistance of armed forces in aid of civil administration.
  - Special requirements of Aviation / Naval support by any agency will be coordinated by PDMA, Government of Sindh.
  - Resources of Government Departments and Agencies such as, Pakistan Red Crescent Society and domestic philanthropy may be requisitioned, if the intensity of the situation so entails for an effective response

## Chapter 5: Potential Problematic Areas During Monsoon 2024

The major impacts of Monsoon 2024 are anticipated to be riverine, urban and flash flood. South and North West parts of the Province are likely to receive more during this season. Hence, following areas will require significant attention for monitoring and mitigation of any untoward situation.

### Urban Flooding

Major urban hubs like Karachi, Hyderabad, Larkana, Sukkur, Nawabshah and Mirpurkhas are likely to receive urban flooding which may cause serious disturbance to routine life.

### Flash Flood:

The water emanating from Balochistan catchments are likely to cause flash flooding and excessive water in Jacobabad, Kambar Shahdadkot, Dadu and Jamshoro districts.

### LBOD:

The LBOD is expected to be overwhelmed due to rains in its catchment areas and may cause flooding in enroute adjoining areas.

### Weak Embankments along Indus:

In case of High Flows chances of breaching at weak embankments will be high therefore, will require high level of vigilance and appropriate actions before onset of any untoward situation.

## Chapter 6: Identification of Physical Vulnerabilities

Using multiple sources such as DMIS database and information obtained from DDMAAs and other line departments physical vulnerabilities with regard to water hazard have been identified. These vulnerabilities include identification of vulnerable embankments and low-lying areas in major cities where water cannot recede without artificial pumping.

### 6.1 Vulnerable Locations of Embankments

S#	Name of Embankments	Geographical Location
1	K.K Link Bund Mile 0/0 to 2/6 First Defence Line	28.271019, 69.415957
2	K.K. Feeder Bund RD-79 to RD-84.5 First Defence Line	28.263016, 69.399806
3	Qadirpur Bund 0/0 to 1/2 First Defence Line	28.100434, 69.320883
4	Qadirpur Loop Bund 0 0/ to 8 4/ First Defence Line	28.057555, 69.241153
5	New Makhwani Bund Mile 0/0 to 4/0 First Defence Line	28.146390, 69.136555
6	Tori Bund Mile 0/0 to 3/1 First Defence Line	28.080078, 69.028724
7	Ghumra Loop Bund Mile 0/0 to 4/6	27.794639, 68.673563
8	Moria Loop Bund Mile 0/0 to 1/2	27.618121, 68.345774
9	Baiji Bund 0/0 to 10/3	27.799353, 69.034380
10	R.N Front Bund Mile 0/0 to 0/7	27.689707, 68.903616

S#	Name of Embankments	Geographical Location
11	S.B Bund Mile 16/2 to 9/2	27.849654, 68.830936
12	Ruk Loop Bund Mile 0/0 to 2/4	27.786864, 68.641344
13	Akil Loop Bund Mile 0/0 to 0/7	27.584404, 68.292395
14	Abad Ring Bund Mile 0/0 to 0/5	27.460401, 68.262546
15	Larkana Sehwan Bund	27.350910, 68.186334
16	Larkana Sehwan Bund	27.315392, 68.145021
17	S.M. Bund Mile 7/4 to 12/7 First Defence Line	27.175318, 68.199634
18	S.M. Bund Mile 35/4 to 60/0 First Defence Line	26.945787, 68.014380
19	S.M. Bund Mile 35/4 to 60/0 First Defence Line	26.842455, 67.955245
20	Larkana Sehwan Bund	26.939893, 67.879897
21	RBOD In Progress	26.243102, 67.913276
22	Old Mud Loop Bund Mile 0/0 to 2/2 (Acting as Front-Line Bund)	26.133259, 68.137679
23	S.M Bund Mile 123/0 to 137/6 First Defence Line	25.869394, 68.342056
24	Cross Bund Mile 0/0 to 0/4 First Defence Line	25.790396, 68.386526

S#	Name of Embankments	Geographical Location
25	RBOD Under Construction	25.588959, 68.362698
26	Hajipur Bund Mile 0/0 to 20/2	25.114555, 68.359743
27	Hajipur Bund Mile 0/0 to 20/2	25.056143, 68.275149
28	M.S Bund Mile 0/0 to 24/7	24.943535, 68.234221
29	Sonde Hillaya Bund Mile 0/0 to 3/2	24.975071, 68.136861
30	M.S Bund Mile 0/0 to 24/7	24.847446, 68.135802
31	Panna Baghar Bund Mile 0/0 to 15/1	24.673029, 67.921452
32	M.S Bund Mile 29/2 to 58/2	24.619167, 68.025062

Table 6.1 List of Vulnerable Embankments with Geographical Location

## 6.2 Low Lying Areas in Major Cities of the Province

S#	City	Total Locations
1	Karachi	199
2	Hyderabad	43
3	Shaheed Benazirabad	20
4	Mirpurkhas	49
5	Sukkur	12
6	Larkana	121

Table 6.2 Number of Low-Lying Areas in Major Cities

Details of low lying are given at Appendix III.



## Chapter 7: Action Plan

Following action plan is recommended for management of any untoward situation arising during the monsoon / flood season;

### 7.1 Specific Actions

S#	Actions	Execution
1	Close coordination with Pakistan Meteorological Department and Flood Forecasting Division for updated forecast and distribution among stakeholders and population likely to be affected.	PDMA, GoS
2	Mobilization of man and material resources for search and rescue and on-site medical support during rescue operation.	Sindh Rescue 1122, GoS
3	Provision of mobile health facilities at camps.	Rehabilitation Department, GoS
4	On-site medical first aid and transportation of disaster affected critical patients to nearby tertiary health care centers/ hospitals.	Sindh Integrated Emergency & Health Services
5	Maintain law and order in affected areas. Assist in search and rescue. Facilitation in the transportation of affectees to relief camps and safe locations. Safety and security of relief camps.	Sindh Police, GoS
6	Clearance of traffic on main / connecting roads. Closure of roads for public transport in affected areas. Assistance to stranded population stuck on roads. Monitoring of traffic routes and status of traffic-ability and sharing with PDMA for dissemination among public and safety of transportation of relief goods.	Sindh Traffic Police, GoS
7	Assure safe traffic ability during rains, notify route plans on submergence of main communication arteries. Facilitation to stranded traffic and public on roads.	Works and Services Department - GoS, National Highway Authority, Motorway Police.
8	Monitoring and sharing of flows at barrages of Sindh. Inspection, vigilance and prepositioning of necessary man and material resources at highly vulnerable flood protective embankments.	Irrigation Department, GoS

9	The concerned departments shall ensure the cleanliness of drainage system and report to PDMA on updated status of arrangements to cater emergency requirements. Further inspection of machinery used for dewatering and pumping shall be ensured and reported to PDMA before the onset of Monsoon 2024.	Irrigation, Government, Corporations, Authorities Local Municipal Boards and
10	Dissemination of warning for flood plain evacuation	DDMAs official sources and mobilization of local influential
11	Evacuation	In consultation with PDMA, DDMAs will issue and disseminate warnings for evacuation from suspected risk zones. Evacuation shall be conducted by the communities with the assistance of DDMAs.
12	Establishment of relief camps	Concerning DDMAs in their respective administrative jurisdictions with support of PDMA
13	Provision temporary health facilities in relief camps	Health Department, GoS
14	Ensure crops safety, food security and food supply chain management	Agriculture Department, GoS
15	Ensure food security	Food Department, GoS
16	Provision of veterinary health services in relief camps	Livestock Department, GoS
17	Management of Relief Camps	DDMAs with support and engagement of local volunteers and NGOs
18	Ensure safety from electrocution in major cities. Restoration of electricity.	K-Electric and other concerned Supply Companies
19	Round-the-clock announcements and coverage for important warning, alerts and updates.	Information Department, GoS

20	Identification of differently-able population within affectees. Mobilization of social workers and social welfare organizations for humanitarian assistance and relief camp management	Social Welfare Department, GoS
21	Supervision of relief camps with reference to need of affected women and children	Women Development Department, GoS
22	Decommissioning of relief camps and retrieval of non-consumable and reusable camp items	After recession of flood water, DDMA shall discontinue relief camps and shall arrange retrieval of items to stores

Table 7.1 List of Recommended Actions with Stakeholders

## 7.2 Stakeholders Roles and Responsibilities

Stakeholder roles and responsibility have already been worked out and given in approved District Disaster Management Plans. For ready reference the same are reproduced as under:

### 7.2.1 Provincial Disaster Management Authority (PDMA)

#### Pre - Disaster

- Close coordination with national and international institutions engaged in disaster forecasting.
- Coordinate meeting and engage DDMA for preparation of anticipated disasters.
- Ensure readiness of equipment and inventory.
- Disseminate disaster alerts to concerned DDMA with action plans for forecastable disasters.
- Ensure availability of relief goods and other relevant stuff before anticipated disaster.
- Advise concerned departments on removal of congestion from water ways before monsoon and flooding period.
- Aware and sensitize public and private departments on main streaming disaster risk reduction in developing planning.
- Ensure availability and functioning of provincial emergency operation center.
- Provide and report high risk population and infrastructure in anticipated hazard areas.
- Capacity building of line and stakeholder department on disaster risk reduction and management.

**During - Disaster**

- Coordination and mobilization of man and material resources for rescue and evacuation of people.
- Provide and manage temporary shelter and life restoration equipment in disaster affected regions.
- Coordinate with line departments for health and veterinary services in the affected regions and ensure to control outbreak of any communicable diseases.
- Coordinate with DDMA and line departments.
- Coordinate with individual donors, donor organizations, NGOs and INGOs and ensure distribution of relief among disaster affectees.

**Post - Disaster**

- Coordination with DDMA and line departments for need and damage assessment.
- Need and damage assessment reporting to higher management, NGOs, INGOs and other agencies for rehabilitation.
- Ensure rehabilitation on build back better principle.

**7.2.2 District Disaster Management Authority (DDMA)**

**Pre - Disaster**

- Close coordination with PDMA and other relevant stakeholders.
- Risk assessment and identification of disaster-prone areas.
- Aware and sensitize public and private departments on main streaming disaster risk reduction in developing planning.
- Coordinate meeting and engage TDMC for preparation of anticipated disasters.
- Ensure readiness of equipment and inventory.
- Disseminate disaster alerts to concerned TDMC with action plans for forecastable disasters.
- Ensure availability of relevant staff before anticipated disaster.
- Advise concerned departments on removal of congestion from water ways before monsoon and flooding period.
- Ensure availability and functioning of district emergency operation center.
- Arrange emergency response exercises and drills along with volunteer groups, social welfare and civil defense on various disaster scenarios.

**During - Disaster**

- Mobilization of man and material resources for rescue and evacuation of people.
- Provide and manage temporary shelter and life restoration equipment in disaster affected regions.
- Coordinate with TDMC and line departments.

- The DDMA shall lead the evacuation of people to safer places with the assistance of PDMA. DDMA shall also ensure safety, security, supply chain, life commodities and management of relief camps.
- Only authorized officials of DDMA shall brief media on disaster situation and the response activities.

#### **Post - Disaster**

- Coordination with TDMC and line departments for need and damage assessment.
- Need and damage assessment reporting to PDMA.
- Ensure rehabilitation on Build Back Better principle.

### **7.2.3 Sindh Emergency Service - Rescue 1122**

#### **Pre - Disaster**

- Public awareness and trainings on disaster and emergencies.
- Public awareness and trainings on safety and precautionary measures in context of disaster and emergencies.

#### **During - Disaster**

- Disaster control and management
- Urban search and rescue
- Evacuation and assistance in initial settlement of disaster affectees
- Water rescue
- Cascading disaster control and management
- Assistance in relief camp management

#### **Post - Disaster**

- Assistance in decommissioning of relief camps
- Assistance in resettlement of affectees

### **7.2.4 Armed Forces**

#### **Pre - Disaster**

- Coordinate with the DDMA in the pre-disaster planning.
- Prepare necessary equipment, labor, transportation and other materials for emergency interventions.
- Provide training to soldiers and determine the role of soldiers who are stationed in flood prone areas.
- Assist in evacuation of people to safe places

#### **During - Disaster**

- Maintain liaison with the DEOC for vital inputs during response.
- Collect information and warn appropriate Army units for engagement in safety, rescue and evacuation activities.
- Establish communication infrastructure and supplement the civil communication set-up if required.

- Coordinate all military activity required by the civil administration.
- Provision of medical care with the help of the medical teams, including treatment at the nearest armed forces hospital.
- Transportation of relief material.
- Provision of logistic back-up (aircrafts, helicopters, boats).
- Assist in establishment of Relief Camps.
- Assist in evacuation of people to safe places during the disaster.
- Installation of temporary bridges, Bunds.

**Post – Disaster**

- Cooperate and coordinate with district authorities.
- Assist in rehabilitation process if required.

**7.2.5 Police Department**

**Pre – Disaster**

- Coordinate with the DDMA in the pre-disaster planning.
- Participate in DDMA meetings.
- Capacity building of Police department regarding disaster risk management.
- Information dissemination through 15 helpline service to local residents.
- Prepare team for emergency intervention.
- Prepare plan for shifting to safer places and early warning system.

**During – Disaster**

- Co-ordinate with DEOC.
- Assistance in shifting of rescued/affected people to relief camps and hospitals.
- Provide protection and easy access to rescue and relief personnel/ vehicles.
- Maintain law and order.
- Provide warning / instruction to travelers.
- Divert traffic on alternate routes as and when necessary.
- Ensure security to workers of NGOs and INGOS who perform duties for disaster response.
- Ensure safety and security of relief goods and maintain discipline during relief distribution process.
- Provide security in Relief Camps.

**Post – Disaster**

- Assist in relief and rehabilitation process.

## 7.2.6 Civil Defense

### Pre - Disaster

- Assign representatives for DDMA to participate in meetings.
- Information sharing regarding capacities and needs of Civil Defense department regarding disaster risk management.
- Capacity building of Civil Defense department regarding disaster risk management.
- Information sharing regarding technical and personnel expertise with DDMA.
- Conduct trainings for Volunteers regarding Rescue and other relevant expertise in collaboration with Health department and PDMA.
- Create awareness regarding rescue, evacuation and first aid.
- Effectively establish, train and systemize volunteer's initiatives in collaboration with education department / institutions

### During - Disaster

- Rescue and evacuation.
- Assign volunteers in coordination with PDMA and DDMA.
- Communicate to DEOC about details of all activities.
- Communicate to DEOC any additional resources required for performing the above tasks.
- Facilitate line departments as per demand in disaster response.

### Post - Disaster

- Assist in rehabilitation process if required.

## 7.2.7 Irrigation Department

### Pre - Disaster

- Inspection and identification of vulnerable embankments.
- Monitoring and dissemination of river water levels.
- Implementation of SOPs defined by Bund Manual.
- Ensure readiness of equipment and machinery before monsoon and flooding season.
- Monitor and disseminate flood level information to DDMA and PDMA.
- Initiate necessary embankments reinforcing interventions for vulnerable embankments.
- Initiate interventions for river training where necessary.
- Introduce and ensure water harvesting and modern water management interventions in likely drought affected areas.
- Ensure safety and compactness of irrigation channels, canals, branches, etc. before start of monsoon season to avoid breaches in irrigation system during heavy rains.
- Ensure removal of congestion from storm water and draining channels before monsoon.

**During - Disaster**

- Ensure 24/7 vigilance of vulnerable embankments.
- Measure and report flood water inundation levels to DDMA and PDMA.
- Ensure to drain/de-water from agriculture fields and its safe conveyance to minimize losses.
- Coordinate with PDMA and DDMA during entire disaster event for execution of on-demand action plans

**Post - Disaster**

- Conduct assessment of damages and needs and report to PDMA through DEOC.
- Restore and repair damaged irrigation systems.
- Prepare overall report of the department regarding intervention and disseminate to PDMA and DDMA.

**7.2.8 Agriculture, Supply & Prices Department****Pre - Disaster**

- Capacity building of department regarding disaster management and risk reduction and implementation of sector specific disaster risk reduction measures.
- Provide recommendation on changing/rescheduling of cropping patterns with respect to changing climate and weather scenarios.
- Create Community Seed Bank at Union Council level.
- Assessment of high prone areas and estimation of possible damage and needs for recovery regarding crops, irrigation facilities in case of any disaster.
- Mass awareness regarding epidemics and diseases to crops.
- Close coordination with PDMA and DDMA.

**During - Disaster**

- Ensure safety of crops.
- Ensure safety of food security and supply management.
- Close and regular coordination with DDMA and PDMA
- Immediate transfer of current situation to DDMA and PDMA

**Post - Disaster**

- Facilitation to institutions / NGOs/ INGOs which focus on rehabilitation activities as per guidelines provided by DDMA and PDMA
- Submit report on damages and needs to DDMA and PDMA
- Mass awareness regarding epidemics and diseases to crops
- Upgrade Community Seed Bank (CSB)
- Timely compensation to affected farmers



## 7.2.9 Health Department

### Pre - Disaster

- Assign representatives for DDMA, and participate in meetings.
- Information sharing regarding capacities and needs of Health department regarding disaster risk management.
- Build capacity of health department regarding disaster risk management and preventive health care especially in disaster prone areas.
- Monitor the general health situation, e.g. monitor outbreak of diseases.
- Provide specific information required regarding precautions for epidemics.
- Establish a health mobile team in district and taluka headquarter hospital.
- Set-up an information Centre to organize sharing of information for public information purposes.
- Prepare first aid kits, medicines, water test kits, chloramines and anti-snake venom serum.
- Collaboration with relevant organizations / partner NGOs for participation and support through technical resources.
- Up-gradation and smooth functioning of hospitals, BHUs, equipped with required staff, medicines and equipment.
- Database and linkages with ambulance services/blood banks.
- Health and hygiene awareness and education.
- Ensure proper disposal of hospital waste.

### During - Disaster

- Provide emergency treatment for the seriously injured.
- Ensure emergency supplies of medicines and first-aid.
- Supervise food, water supplies, sanitation and disposal of waste.
- Assess and co-ordinate provision of ambulances and hospitals where they could be sent (public and private).
- Provide special information required regarding precautions for epidemics.
- Set-up an information Centre to organize sharing of information for public information purposes.
- Conduct disaster impact assessment on health.
- Intervene in case of disease outbreak.
- Medical camps and vaccination.
- Ongoing surveillance with regard to health issues and disease outbreaks.

### Post - Disaster

- Conduct disaster impact assessment on health situation.
- Prepare plan for the following year along with reports and submit to PDMA and concerned department.
- Medical camps and vaccination.
- Rehabilitation of health infrastructure affected during disaster.

- Preparation of impact assessment surveys covering strengths and weaknesses of interventions and impact on affected victims and dissemination of learning to PDMA and other concerned institutions.

### 7.2.10 Sindh Integrated Emergency & Health Services

#### During - Disaster

- On-site first aid services to disaster affectees.
- Transportation of critical disaster affected critical patients to nearby tertiary care centers/ hospitals.

### 7.2.11 Livestock & Fisheries Department

#### Pre - Disaster

- Provide livestock vaccination and de-worming.

#### During - Disaster

- Provide livestock vaccination and de-worming.
- Provide veterinary health services in disaster affected areas.
- Establishment of mobile veterinary health facilities near relief camps.
- Mass awareness regarding epidemics and diseases to livestock and preventions.
- Collection of losses data and sharing with DDMA and PDMA.
- Liaison with DDMA and PDMA during the course of disaster.

#### Post - Disaster

- Detailed losses assessment report and sharing with concerned department and authorities.

### 7.2.12 Social Welfare and Community Development

#### Pre - Disaster

- Coordination with NGOs and civil society organizations working for disaster risk management.
- Empower the extremely vulnerable people emphasizing women and children through public awareness involving respective departments for various fields such as Education, Health etc.
- Capacity building of community-based groups and volunteers engaged in disaster management activities

#### During - Disaster

- Provide information on the situation of the disaster to the DEOC.
- Coordinate all NGOs / INGOs and civil society organizations working during the emergency response.
- Monitor progress of relief operations in the affected areas.
- In coordination with PDMA, Health, Revenue and other line departments, ensure delivery of relief to most vulnerable segments of society such as children, orphans, widows, destitute.

- Assist and facilitate Damage and Needs Assessment teams from NGOs.
- Share human resources with DDMA.

#### **Post – Disaster**

- Monitor and follow up the status of the extremely vulnerable people.
- Assist and facilitate Damage and Needs Assessment teams from NGOs.
- Conduct impact assessment studies and analysis of strengths and weaknesses of stakeholders and disseminate learning to PDMA, DDMA and other concerned institutions.
- Facilitate institutions / NGOs/ INGOs which focus on rehabilitation activities

### **7.2.13 NGOs and INGOs**

#### **Pre – Disaster**

- Facilitate PDMA and DDMA for capacity building regarding disaster risk management.
- Capacity building of community groups regarding disaster risk management.
- Linkages with concerned departments and institutions for providing technical and financial resources regarding diverse sectors related to disaster management.
- Resource mobilization at local and international level.

#### **During – Disaster**

- Collaborate and facilitate in relief operations.
- Incorporate local and international expertise in disaster response.
- Facilitate establishment of temporary shelters and camps.
- Facilitate in overall disaster response in collaboration with concerned departments.
- Regular updates and alerts to local and international partners.
- Utilization of existing resources and further mobilization at local and international level.
- Assessment of losses using sphere standards.

#### **Post – Disaster**

- Collaborate and facilitate in rehabilitation activities.
- Incorporate local and international expertise in rehabilitation activities.
- Facilitate overall rehabilitation in collaboration with concerned departments.
- Impact assessment studies and sharing findings with PDMA, DDMA, local and international partners.
- Linkages with partners for sustainable resources mobilization

### 7.2.14 Revenue Department

#### Pre - Disaster

- Assign representatives for DDMA, and participate in meetings.
- Information sharing regarding capacities and needs of Revenue department regarding disaster risk management.
- Capacity building of Revenue department regarding disaster risk management.
- Assessment of high prone areas and estimation of possible damage and needs for recovery in case of emergency.
- Arrangement of financial resources.
- Facilitate getting tax exemptions to institutions/NGOs/INGOs focus on disaster risk management.
- Collect and update population data at village level.

#### During - Disaster

- Coordination with the DEOC.
- Establish relief distribution centers.
- Accept relief donations and relief support.
- Timely release of fund.

#### Post - Disaster

- Allocation of funds for recovery and rehabilitation process.
- Assessment of damage of industry/business, crops and livestock and settlement of applicable taxes accordingly in coordination with Industry, Agriculture and Irrigation departments.

### 7.2.15 Finance Department

#### Pre - Disaster

- Regular coordination with PDMA.
- Allocate budget on contingency basis, to handle any emergency situations.
- Facilitate other departments in planning and meeting their financial needs.

#### During - Disaster

- Provide funds to PDMA and other line departments for procurement of material and equipment required for emergency response.
- Provide funds to PDMA and other line departments for rescue and relief activities.

#### Post - Disaster

- Get statistical data regarding actual damage and recovery needs from all line departments.
- Provide funds for execution of rehabilitation process

### 7.2.16 Education Department

#### Pre - Disaster

- Assign representatives for DDMA and participate in meetings.
- Information sharing regarding capacities and needs of Education department regarding disaster risk management.
- Teachers and students are informed about the disaster-prone areas of the district.
- Teachers and students are informed of their responsibilities to take care of materials and documents to safe places during disaster.
- Facilitate and collaborate with PDMA in preparation of disaster management curriculum.
- Collaborate with PDMA and DDMA in synergizing volunteers

#### During - Disaster

- Mobilize human resources for intervention during disaster.
- Inform schools situated in high-risk areas about hazard and hazard forecast.
- Assist in arrangement of relief and shelter camps in educational institutes for the disaster affectees.
- Facilitate Health department and other relevant entities in arranging medical camps, blood donations and provision of medical aid during disaster and emergencies.
- Coordinate with PDMA and DDMA in assigning volunteers for emergency response.

#### Post - Disaster

- Assessment of damages occurred to educational institutes.
- Provide assistance to teachers, students and other staff who are victimized by disasters (lack of food, shelter, etc.).
- Rehabilitation and reconstruction of affected educational facilities.
- Facilitate institutions / NGOs / INGOs which focus on rehabilitation of educational facilities.
- Prepare overall report of the department regarding intervention and disseminate to PDMA and DDMA.

### 7.2.17 Information Department

#### Pre - Disaster

- Close coordination and liaison with PDMA and DDMA.
- During monsoon, flooding season and forecastable hazards issuance of press releases regarding hazards and preparedness plans of the government.
- Issue and publish disaster alerts on appropriate media forums.
- Coverage and publication of government initiatives on disaster risk reduction and management.

- Ensure media coverage and publication of PDMA and DDMA meetings for pre disaster preparations.

#### **During - Disaster**

- Coordination with PDMA and DDMA for announcement of warnings and updates on disasters.
- Publication of bulletins on government actions, facilities, relief and rescue efforts.
- Publication of camp management and relief distribution announcements.
- Publication of safety measures during disasters to minimize disaster domino effects.
- Communicate voice of affectees to concerned departments.

#### **Post - Disaster**

- Focus on problems being faced by the people of the affected area.
- Publish, broadcast / telecast programs highlighting strengths, weaknesses and scams in disaster response activities.
- Publish, broadcast / telecast programs highlighting government initiatives and collective response of NGOs, INGOs and other departments for relief and rehabilitation

### **7.2.18 Pakistan Meteorological Department (PMD)**

#### **Pre - Disaster**

- Update and upgrade forecast equipment.
- Timely and authentic forecast of rains, windstorms and other forecastable hazards.
- Timely transfer of information regarding abnormal weather conditions to PDMA

#### **During - Disaster**

- Monitoring of flood waters, river flows and sharing of information with PDMA.
- Forecasting for any cascading disaster.
- Issuance of precautionary measures to avoid domino effects of disaster

#### **Post - Disaster**

- Technical assistance in rescue and rehabilitation process

## **7.3 Action Plan of Sindh Mobile Health Unit**

The primary objective of the Monsoon Contingency Plan 2024 for the Mobile Diagnostic & Emergency Healthcare Services (MD&EHS) is to ensure the continued provision of essential healthcare services to the communities in Sindh, particularly in areas prone to flooding and other monsoon-related disasters.

### **Pre-Disaster Plan**

- The Directorate of MD&EHS will ensure that the Mobile Healthcare Units are equipped with necessary medical supplies, equipment, and medications to address common monsoon-related health issues such as waterborne diseases, respiratory infections, injuries and Skin Diseases.
- The Directorate of MD&EHS will provide specialized training to the staff of Mobile Healthcare Units for responding to emergencies during the monsoon season, including first aid, infection control, and disaster management.
- The Directorate of MD&EHS will establish a robust communication plan to ensure seamless coordination between the Mobile Healthcare Unit, local authorities, District Managements, and other relevant stakeholders.

### **During Disaster Plan**

- The Directorate of MD&EHS will pre-position the Mobile Health Unit in strategic locations identified as high-risk areas by PDMA before the onset of the monsoon season.
- The Directorate of MD&EHS will be prepared for rapidly respond to emergencies such as floods, rainfalls and disease outbreaks by deploying Mobile Healthcare Units as needed.
- The Directorate of MD&EHS will engage with local communities to raise awareness about preventive measures, early warning systems, and emergency response protocols during the monsoon season.

### **Post-Monsoon Plan**

- The Directorate of MD&EHS will conduct a comprehensive assessment of the Mobile Healthcare Unit's performance during the monsoon season and identify areas for improvement of Health Facilities.
- The Directorate of MD&EHS will analyze the collected data during the monsoon season to identify trends, patterns, and lessons learned for future contingency planning.
- The Monsoon Contingency Plan 2024 for the Sindh Mobile Health Unit aims to ensure the continuity of essential healthcare services during the challenging

monsoon season. By proactively planning, preparing, and responding to potential emergencies, the Mobile Health Unit can effectively mitigate health risks and safeguard the well-being of communities in Sindh.

Unit No	Districts	Facilities	Disastrous Areas	Action Plan
Unit No.01	Tharparkar	1. Laboratory test facilities.	Tharparkar	Mobile Hospital are working in said districts and will be moved to the affected areas as per need and orders.
Unit No.02	Dadu	2. X-Ray facilities.	Dadu	
Unit No.03	Thatta		Thatta	
Unit No.04	Badin	3. Ultrasound facilities.	Badin	
Unit No.05	Jamshoro	4. Nebulization and pulmonary	Jamshoro	
Unit No.06	Shikarpur	functions facility.	Shikarpur	
Unit No.09	Sujawal		Sujawal	
Unit No.10	Umerkot	5. ECG,Initial Eye diseases	Umerkot	
Unit No.11	Sanghar	diagnose,	Sanghar	
Unit No.12	Larkana		Larkana	
Unit No.13	Jacoababad	6. Initial ENT diseased diagnose.		

#### 7.4 Action Plan of Rescue 1122

The Sindh Emergency Rescue Service (Rescue-1122) has developed a detailed action plan in advance for the effective management of flood emergencies. This plan takes into account current weather conditions and lessons learned from past experiences.

#### Core Functions of Rescue 1122 (Sindh) during Flood

To ensure effective management of floods during the monsoon season in Sindh, the following measures should be implemented at the district level:

- Conduct meetings at district-level to ensure comprehensive planning and preparedness.
- Enhance preparedness by conducting scenario-based joint mock exercises with relevant stakeholders.
- Implement a robust system for the timely dissemination of early warnings to facilitate the evacuation of the public from vulnerable areas.
- Execute boat rescue operations to evacuate individuals affected by flooding efficiently.



- Ensure the provision of emergency medical care and the prompt transportation of patients and injured individuals to hospitals.
- Provide necessary support to the district administration in conducting rescue operations whenever required.
- At the district level, officers and the 1122 team maintain complete coordination with the district administration to ensure the strategic deployment of staff, tailored too the specific intensity of each incident. This collaborative approach enables a proportionate response, optimizing resource allocation and effectiveness.
- The Rescue 1122 team may receive resource support from the Provincial Disaster Management Authority (Sindh) to enhance their response capabilities during monsoon flood-related emergencies. This collaboration enables the team to access additional resources, expertise, and equipment, ensuring a more effective and coordinated response to flood-related disasters.
- In districts where Rescue 1122 services are not yet operational, other stakeholders will be engaged to respond to emergencies. This collaborative approach ensures that emergency response capabilities are leveraged from various stakeholders, filling the gap in service provision and ensuring timely assistance to those in need.

## **Tiers of Response**

### **1<sup>st</sup> Tier**

Local response by the Community Emergency Response Team, local NGOs, and stakeholders of Rescue 1122, supported by Divisional Rescue 1122 teams.

### **2<sup>nd</sup> Tier**

Divisional efforts, including logistics and human resources, coordinated by District Rescue 1122 teams with the support of district administration.

### **3<sup>rd</sup> Tier**

Provincial response by Rescue 1122 Headquarters, coordinated through the Central Command and Control, with the ability to collaborate with other provincial Rescue 1122 teams, to provide additional flood response if required.

### The Central Command and Control

The Central Command and Control plays a vital role in emergency response, coordinating efforts with stakeholders to respond effectively to any emergency situation. The strategic and situational operation of command and control enable the swift deployment of resources, ensuring a unified response that maximizes impact and minimizes harm.

All stakeholders are integrated through the Central Command and Control, enabling seamless collaboration to execute joint operations for evacuating the community in the event of a flood or monsoon emergency. This unified approach ensures a coordinated response, maximizing efficiency and effectiveness in emergency management.

### Emergency Contacts & Resources

EMERGENCY CONTACTS	
<p><u>Overall Supervision:</u>  <b>Dr. Abid Jalal Uddin Shaikh</b>                      Director General                      Sindh Emergency Rescue Service (Rescue-1122)                      0300-3024899</p> <p><u>Focal Person:</u>  <b>Lt. Col ® Sardar Ali Shah.</b>                      Institutional Development Specialist / Director (Admin)                      Sindh Emergency Rescue Service (Rescue-1122)                      0332-1751110</p>	<p><u>Emergency Response Helpline:</u>  <b>1122</b></p> <p><u>Rescue 1122 (Sindh) Headquarter:</u>  <b>+92-21-99334071-3</b></p> <p><u>Focal Person for Ambulance Service:</u>  <b>Lutuf Ali Mangrio</b>                      Director (Operations)                      SIEHS                      0301-8226187</p>

OPERATION WINGS, RESCUE 1122 (SINDH)				
S#	Division	Name of Officer(s) / Focal Person(s)	Designation	Contact Details
1	Karachi (HQ) Wing - I	Asif Ali	Emergency Officer	0301-3406433
2	Karachi (HQ) Wing - II	Hassaan Ul Haseeb	Station In-charge	0334-3356007
3	Karachi District Station (KIHD)	Saad Ullah Bhutto	Emergency Officer	0332-4510567
4	District Station, Hyderabad	Roshan Ali Mahesar	Emergency Officer	0333-3116117
5	District Station, Mirpurkhas	Fayaz Samo	CLO/Station In-charge	0335-3548887

6	District Station, Shaheed Benazirabad	Roshan Ali Mahesar	Emergency Officer	0333-3116117
7	District Station, Sukkur	M. Awais	Station In-charge	0320-3625154
8	District Station, Larkana	Iftikhar Ahmed	CLO/Station In-charge	0333-1977776
<b>NON-OPERATION WINGS, RESCUE 1122 (SINDH)</b>				
9	Training and Medical Wing (Karachi Headquarter)	Rehana Yasmeen	Emergency Officer	0311-2200483
10	Admin Wing (Karachi Headquarter)	Irfan Ali	Station In-charge	0333-7432723
11	Central Command and Control (Karachi Headquarter)	Rabnawaz Uqaili	Communication and Liaison Officer	0322-3118737

<b>RESOURCES OF RESCUE 1122 (SINDH)</b>								
S#	Resources Rescue, Tools, Equipment, Machinery and Vehicles	Karachi	Hyderabad	Mirpurkhas	Shaheed Benazirabad	Sukkur	Larkana	Total
1	Human Resources	282	58	32	18	43	54	487
2	Emergency Response Staff Cabin	9	1	1	1	1	1	14
3	Water Resuce Vehicle (Incl. All Equipment)	4	1	1	1	1	1	9
4	Boats vInflatable with OBM	1	1	1	0	1	0	4
5	Boat Rigid with trolley and OBM	4	2	0	1	5	2	14
6	Fire Truck	3	2	0	0	0	0	5
7	USAR Vehicle	4	1	1	1	1	1	9
8	Recovery Vehicle	1	1	0	0	1	1	4
9	Dumper	1	1	1	0	2	1	6
10	Wheel Dozer	1	0	0	0	0	0	1
11	Emergency Response Vehicle	3	1	0	0	1	1	6

## 7.5 Action Plan of Pakistan Navy/Pakistan Marines/HQ 301 Creeks Brigade

The deployment details of the Pakistan Navy/Pakistan Marines/HQ 301 Creeks Brigade in the Creeks AoR are as follows:

1. **\*31st Creeks Battalion\***: Responsible for relief and rescue operations at Keti Bandar, Shah Bandar, Chuhar Jamali, and the rural areas of Thatta district through respective ERTs.
2. **\*32nd Creeks Battalion\***: Responsible for relief and rescue operations in both urban and rural areas of Sujawal, including Jati Tehsil through respective ERTs.
3. **\*23rd Air Defense Battalion\***: Responsible for relief and rescue operations in the urban areas of Thatta district.
4. **\*Marines Field Engineering Company\***: Responsible for supporting the above-mentioned battalions anywhere in their respective AoR.

Additionally, due to the availability of various waterborne assets, including hovercrafts, Z boats, and LCUs, and considering the Marines' expertise in riverine operations and past experience in rescue and relief activities in flood-affected areas, they can be deployed anywhere upon approval of Higher Headquarters.

## Chapter 8: Emergency Contacts

The communities and any other relevant entity can contact on following number during emergency

Office	Contact No
Provincial Emergency Operation Center (PEOC), Provincial Disaster Management Authority, Government of Sindh	Emergency No: 1736 (Toll free) (021) 35381810 0335-5557362

Table 8.1 Provincial Emergency Operation Centre Contact Information

### LIST OF DIVISIONAL COMMISSIONERS

S#	Designation	District	Tel Off.	Fax
<b>KARACHI DIVISION</b>				
1	Commissioner	Karachi	9205610- 14 9205607	99205652, 99205639
2	Deputy Commissioner	East	99231214 99231215	99230994
3	Deputy Commissioner	West	99333177 99333172	99333173
4	Deputy Commissioner	Keamari	99333177 99333172	99333173
5	Deputy Commissioner	South	99205644	99202296
6	Deputy Commissioner	Central	99260037 99260038	99260036
7	Deputy Commissioner	Malir	99333785-6	35001301
8	Deputy Commissioner	Korangi	99333922	99333923
<b>HYDERABAD DIVISION</b>				
1	Commissioner	Hyderabad	(022) 9200112 - 13	9200114 9201316
2	Deputy Commissioner	Hyderabad	(022) 9200244	9200976
3	Deputy Commissioner	Jamshoro	(0223) 870135, 871942 - 44	871199, 871954
4	Deputy Commissioner	Dadu	(025) 9200250, 9200251	9200252
5	Deputy Commissioner	Matiari	(022) 2760033, 2760032	2760011
6	Deputy Commissioner	Tando Allahyar	(022) 9250702-3	9250703
7	Deputy Commissioner	Tando M. Khan	(022) 9260701-2-9	9260709
8	Deputy Commissioner	Thatta	(0298) 920061, 770359	R:920058, O:920069
9	Deputy Commissioner	Sujawal	(0298) 510051	510051
10	Deputy Commissioner	Badin	(0297) 920013	861471, 920021
<b>SUKKUR DIVISION</b>				
1	Commissioner	Sukkur	(071) 9310834, 9310835	O:9310837, R:9310619

2	Deputy Commissioner	Sukkur	(071) 9310601-600	9310602
3	Deputy Commissioner	Khairpur	(0243) 9280200, 9280201	9280202
4	Deputy Commissioner	Ghotki	(0723) 661616, 661675	(Of)661677 (Re)651628
<b>SHAHEED BENAZIRABAD DIVISION</b>				
1	Commissioner	Shaheed Benazirabad	(0244) 9370333, 81069	9370392, 381068
2	Deputy Commissioner	Shaheed Benazirabad	(0244) 381494, 9370337	9370338
3	Deputy Commissioner	N. Feroze	(0242) 92010, 448256	920103
4	Deputy Commissioner	Sanghar	(0235) 920116-7	920101
<b>LARKANA DIVISION</b>				
1	Commissioner	Larkana	(074) 9410244, 9410245	(R)9410293, (O)9410394-5
2	Deputy Commissioner	Larkana	(074) 9410318, 9410243	9410336, 9410293
3	Deputy Commissioner	Kamber Shahdadkot	(074) 9411100	9411102, 9411108
4	Deputy Commissioner	Shikarpur	(0726) 920200, 920201	920202
5	Deputy Commissioner	Jacobabad	(0722) 921201-2	921003
6	Deputy Commissioner	Kashmore	(0722) 570904, 35843006	570902
<b>MIRPURKHAS DIVISION</b>				
1	Commissioner	Mirpurkhas	(0233) 9290052, 9290053-54	9290055-59
2	Deputy Commissioner	Mirpurkhas	(0233) 9290069, 9290070	9290254
3	Deputy Commissioner	Umerkot	(0238) 920019-20	920020
4	Deputy Commissioner	Tharparkar	(0232) 920667, 920825	920818

Table 8.2 Commissioner Office - Contact Information

## Chapter 9: Appendixes

To maintain the readability of the document, the maps and charts have been provided separately accessible on Disaster Management Information System (DMIS). DMIS can be reached at <http://www.dmis-pdma.gos.pk/DMIS/dashboard.php>.

The interested users are required to register themselves for accessing the maps available in Sindh GIS module of DMIS. The maps are available on;

Step 1: Sindh GIS module

Step 2: Layers

Step 3: Contingency Plan 2024

- Vulnerable Embankments
- Landuse within Flood Plain
- Topographic and Drainage Map of Sindh
- Low Lying Areas
- Likely Riverine Flows and Inundation Maps (Very High – Super Flood)
- Relief Camps

## Appendix-1: Detailed Seasonal Forecast



Tel:051-9250364  
Fax:051-9250368

Government of Pakistan  
Ministry of Aviation (Aviation Division)  
Pakistan Meteorological Department  
Sector: H-8/2, Islamabad.

Date: 30<sup>th</sup> April 2024

### Outlook for May-June-July (MJJ), 2024

#### 1. Synoptic Situation:

During the season MJJ 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will shift towards the negative phase (La Niña). Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season of 2024. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

#### 2. Seasonal Outlook (Rainfall):

As per seasonal outlook nearly normal\* rainfall is expected in most parts of the country, however, the upper half of the country comprising of north-eastern catchments of Punjab and southern Khyber Pakhtunkhwa, as well as, southern parts of Sindh may get slightly above normal rainfall during the season MJJ, 2024.

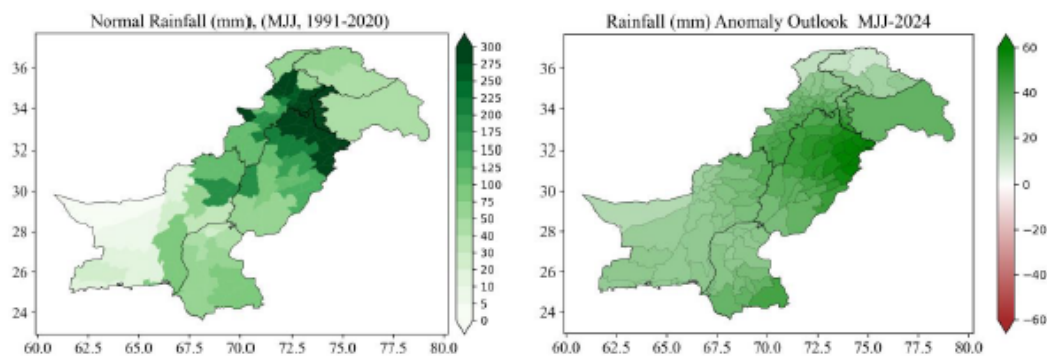


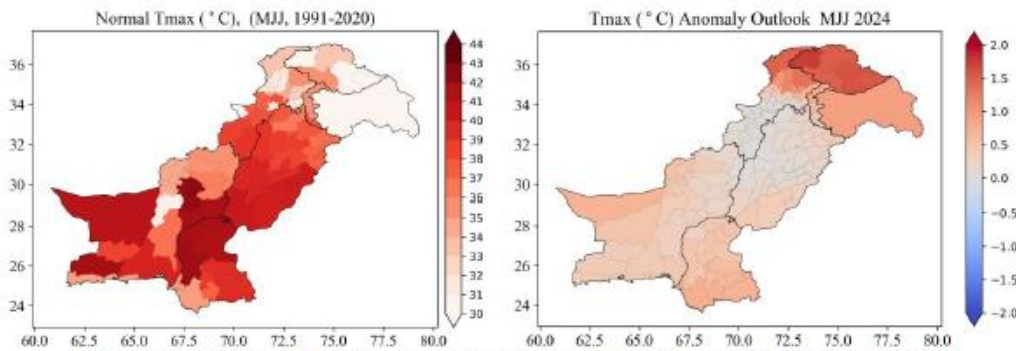
Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for MJJ 2024

#### 3. Seasonal Temperature Outlook:

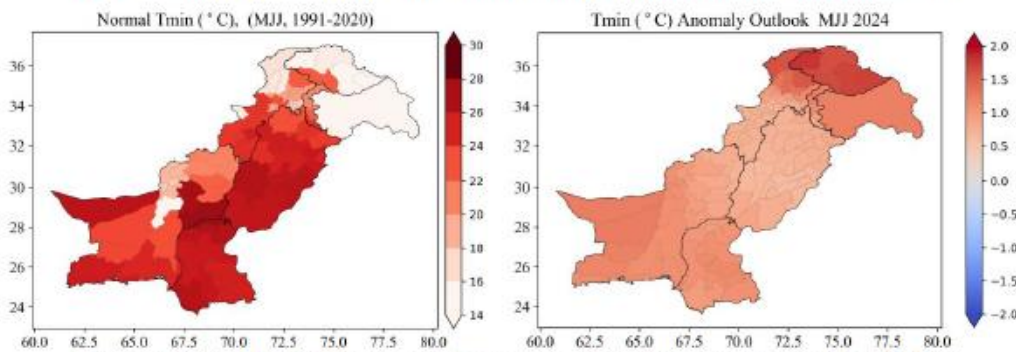
Nationwide, temperatures, including both daytime and nighttime, are forecasted to be higher than normal\*. However, the central parts of Punjab and lower Khyber Pakhtunkhwa may experience nearly normal maximum temperature. The nighttime temperatures may surpass normal levels across most regions of the country, with the most significant deviation expected over northern Khyber Pakhtunkhwa and Gilgit-Baltistan.

\*Normal = 30-years (period) average climatology





**Figure 2:** Normal (1991-2020) maximum temperature and monthly anomaly outlook for MJJ 2024



**Figure 3:** Normal (1991-2020) minimum temperature and monthly anomaly outlook for MJJ 2024

**4. Impacts:**

- Considerable amount of soil moisture is available in the fields based on the recently prevailed weather conditions, which is expected to persist during the current season.
- Strong winds, dust storms, and hailstorms are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.
- Elevated temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir are anticipated to accelerate snowmelt, consequently increasing river water levels.
- The atmospheric conditions are supportive for the likelihood of heat wave development; especially over the plain areas of the country, particularly over the southern half in the months of May and June.

Note: Considering the dynamic nature of the climate system the outlook is updated monthly during the last week of each month.

\*Normal = 30-years (period) average climatology



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Government of Pakistan  
Ministry of Aviation (Aviation Division)  
Pakistan Meteorological Department  
Sector: H-8/2, Islamabad.

Date: 24<sup>th</sup> May 2024

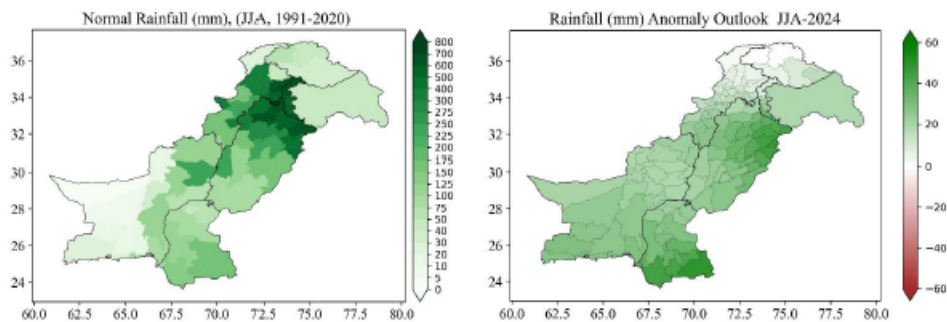
## Outlook for June-July-August (JJA), 2024

### 1. Synoptic Situation:

During the season JJA 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will persist during the season with a tendency to shift towards the negative phase (La Niña) at the end of the season. Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

### 2. Seasonal Outlook (Rainfall):

As per seasonal outlook **normal\*** to above normal rainfall is expected in most parts of the country, with maximum departure over central to northern Punjab and southern Sindh. Northern Khyber Pakhtunkhwa and Gilgit Baltistan may get nearly normal rainfall whereas most parts of Balochistan may get slightly above normal rainfall during the season JJA 2024. Moreover, the second half of the season is expected to be wetter than the first half.



**Figure 1: Normal (1991-2020) rainfall and monthly anomaly outlook for JJA 2024**

### 3. Seasonal Temperature Outlook:

Nationwide, the daytime maximum temperature is expected to be nearly normal however northern Khyber Pakhtunkhwa and Gilgit-Baltistan may experience warmer than normal maximum temperature during the season. Nighttime temperatures are likely to exceed normal levels across most regions of the country, with marked deviation anticipated over northern Khyber Pakhtunkhwa, Gilgit-Baltistan and southwestern Balochistan.

\*Normal = 30-years (period) average climatology

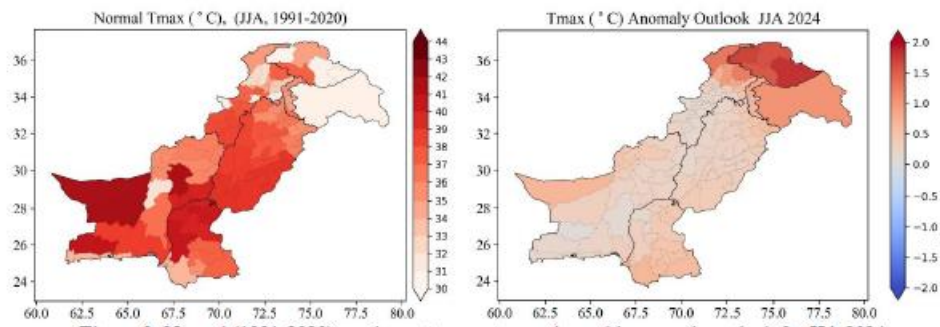


Figure 2: Normal (1991-2020) maximum temperature and monthly anomaly outlook for JJA 2024

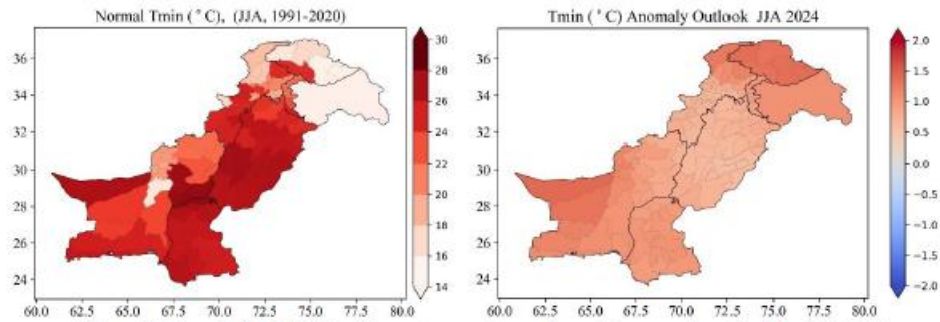


Figure 3: Normal (1991-2020) minimum temperature and monthly anomaly outlook for JJA 2024

4. Impacts:

- High temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir may accelerate snowmelt, increasing river flow.
- Based on recent weather conditions, a considerable amount of soil moisture is currently available in the fields. However, rising temperatures may reduce moisture content before the onset of monsoon. Therefore, farmers are advised to irrigate according to the needs of their crops.
- Day time temperature is likely to remain above normal all over the country during start of the forecast period but the expected rains towards the end of the season will normalize the high temperature.
- Strong winds, dust storms, and gusts are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas of koh-e-Suleman and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.
- The atmospheric conditions are supportive for the likelihood of heat wave development; particularly over the plain areas of the country, especially over the southern half in the month of June.

Note: Considering the dynamic nature of the climate system the outlook is updated monthly during the last week of each month

\*Normal = 30-years (period) average climatology



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**Government of Pakistan**  
Ministry of Aviation (Aviation Division)  
**Pakistan Meteorological Department**  
**Research and Development Division**  
Sector: H-8/2, Islamabad.

Date: 14<sup>th</sup> June 2024

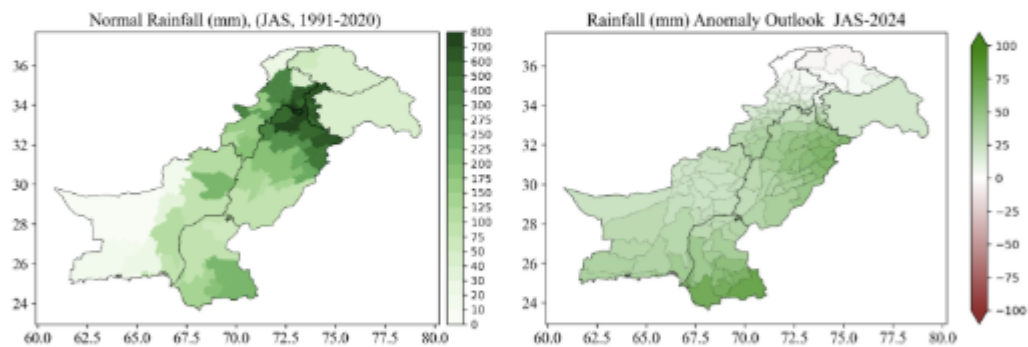
## Outlook for Monsoon (Jul - Sep), 2024

### 1. Synoptic Situation:

During the monsoon season 2024, it is anticipated that the neutral phase of climate indicators such as the El Niño Southern Oscillation (ENSO) will persist during the season with a tendency to shift towards the negative phase (La Niña) at the end of the season. Concurrently, the Indian Ocean Dipole (IOD) is forecasted to persist in a positive phase throughout the season. Given the prevailing atmospheric conditions, the climatic forecast for Pakistan is as follows:

### 2. Seasonal Outlook (Rainfall):

As per seasonal outlook **normal\* to above normal** rainfall is expected in most parts of the country, with maximum departure over upper Punjab and lower Sindh. On the other hand, northern Khyber Pakhtunkhwa and Gilgit Baltistan may get nearly normal rainfall whereas most parts of Balochistan may receive slightly above normal rainfall during the season.



**Figure 1:** Normal (1991-2020) rainfall and monthly anomaly outlook for monsoon 2024

### 3. Seasonal Temperature Outlook:

Nationwide, the daytime maximum temperature is expected to be nearly **normal\*** however, northern Khyber Pakhtunkhwa and Gilgit-Baltistan may experience warmer than normal maximum temperature during the season. Nighttime temperatures are likely to exceed normal levels across most regions of the country, with marked deviation anticipated over northern Khyber Pakhtunkhwa, Gilgit-Baltistan and southwestern Balochistan.

\*Normal = 30-years (period) average climatology

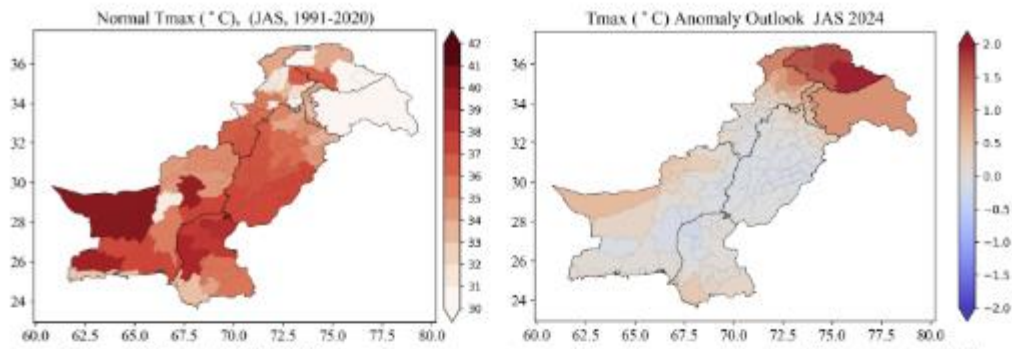


Figure 2: Normal (1991-2020) maximum temperature and monthly anomaly outlook for monsoon 2024

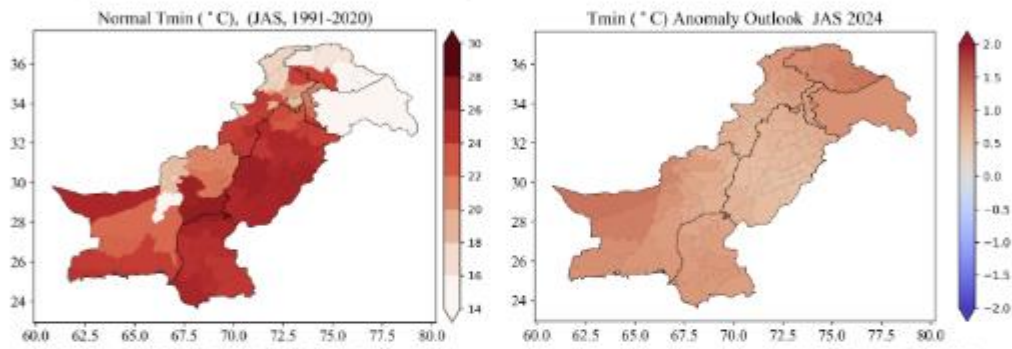


Figure 3: Normal (1991-2020) minimum temperature and monthly anomaly outlook for monsoon 2024

**4. Impacts:**

- High temperatures in Upper Khyber Pakhtunkhwa, Gilgit-Baltistan, and Kashmir may accelerate snowmelt, increasing river flow.
- Based on recent weather conditions, a considerable amount of soil moisture is currently available in the fields. However, rising temperatures may reduce moisture content before the onset of monsoon. Therefore, farmers are advised to irrigate according to the needs of their crops.
- Day time temperature is likely to remain above normal all over the country during start of the forecast period but the expected rains towards the end of the season will normalize the high temperature.
- Strong winds, dust storms, and gusts are highly likely in the season.
- The extreme hydro-meteorological events over catchment areas of the major rivers of the country are likely to generate riverine floods.
- Flash or urban flooding is anticipated in hill torrent areas of koh-e-Suleman and plains of major cities in Sindh, Punjab, AJK, and KP due to heavy rainfall events during the season.

**Note:** Considering the dynamic nature of the climate system the outlook is updated monthly during the last week of each month

**Spokesperson**

\*Normal = 30-years (period) average climatology



RELEASED ON 30<sup>th</sup> April 2024

**28<sup>th</sup> Session of South Asian Climate Outlook Forum (SASCOF-28)  
and Climate Services User Forum (CSUF)**

**Pune, India  
29<sup>th</sup> April 2024**

**Statement on the Seasonal Climate Outlook over South Asia for the  
2024 Southwest Monsoon Season (June – September)**

### Summary

Above normal rainfall is most likely during the 2024 southwest monsoon season (June – September) over most parts of the South Asia except some areas over northern, eastern and north-eastern parts of the region, where below normal rainfall is most likely. The seasonal rainfall is most likely to be normal or of climatological probabilities over the remaining areas of the region.

During the season, above normal minimum temperatures are most likely over most parts of South Asia except a few areas over the south-eastern part of the region where normal temperatures are most likely. The seasonal maximum temperatures are most likely to be above normal over most parts of the region except some isolated areas over northern, north-western, southern and eastern parts of the South Asia, where normal to below normal maximum temperatures are most likely.

This regional climate outlook for the 2024 southwest monsoon season over South Asia has been collaboratively developed by all nine National Meteorological and Hydrological Services (NMHSs) of South Asia with the support from international experts at the 28<sup>th</sup> session of the South Asian Climate Outlook Forum (SASCOF-28) conducted online. The process involved an expert assessment of the prevailing global climate conditions, national level forecasts and forecasts from different climate forecasting agencies around the world.

Currently moderate El Niño conditions are prevailing over the tropical Pacific Ocean. Based on the global climate model forecasts, there is strong consensus among experts that the prevailing the El Niño condition is likely to weaken further to neutral El Niño Southern Oscillation (ENSO) conditions during early part of the monsoon season and La Niña conditions are likely to develop during second half of monsoon season. However, there is uncertainty in its strength and the time of its onset. It is recognized that the global climate model predictions prior to and during the spring season generally have noticeable uncertainty due to spring barrier in the seasonal predictability. It is also recognized that other regional and global factors as well as the intra-seasonal features of the region can also affect the seasonal climate patterns over the region.

For more information and further updates on the southwest monsoon outlook on national scale, the respective National Meteorological and Hydrological Services (NMHSs) may be consulted.

## **Introduction**

The climate outlook for the 2024 southwest monsoon season (June to September) was finalized during the 28<sup>th</sup> session of the South Asian Climate Outlook Forum (SASCOF-28) held on 29 April 2024 at Pune, India. The session was attended by the experts representing the National Meteorological and Hydrological Services (NMHSs) of nine South Asian countries as well as those representing several global and regional climate agencies including World Meteorological Organization (WMO), WMO Regional Climate Centre (RCC) Pune, Indian Institute of Tropical Meteorology (IITM), Met Office, UK (UKMO), International Research Institute for Climate and Society (IRI), Regional Integrated Multi-hazard Early-warning System (RIMES), Japan Meteorological Agency (JMA), Lead Centre of LRFMME, Korean Meteorological Agency etc. The forum deliberated on various observed and emerging climatic features that influence the performance of the southwest monsoon such as the El Niño-Southern Oscillation (ENSO), Indian Ocean Dipole (IOD), winter and spring Northern Hemisphere (NH) snow cover, land surface temperature anomalies etc. The key features of these climate drivers are as follows:

### **ENSO Conditions over the Pacific Ocean**

The ENSO is one of the global scale climate phenomena that have significant influence on the year-to-year variability of the monsoon over South Asia. Currently, moderate El Niño conditions are prevailing over the equatorial Pacific region. It is likely to weaken further to neutral El Niño Southern Oscillation (ENSO) conditions during early part of the monsoon season and La Niña conditions are likely to develop during second half of monsoon season.

### **IOD Conditions over the Indian Ocean**

In addition to ENSO conditions over the Pacific, other factors such as Indian Ocean Dipole (IOD) have also influence on the South Asian southwest monsoon. A positive (negative) IOD is associated with a stronger (weaker) than normal southwest monsoon over the region. At present, neutral IOD conditions are prevailing over the Indian Ocean. The recent forecasts from coupled global models suggest that the

positive IOD conditions are likely to develop during the later part of the southwest monsoon season.

### **Snow Cover over the Northern Hemisphere (NH)**

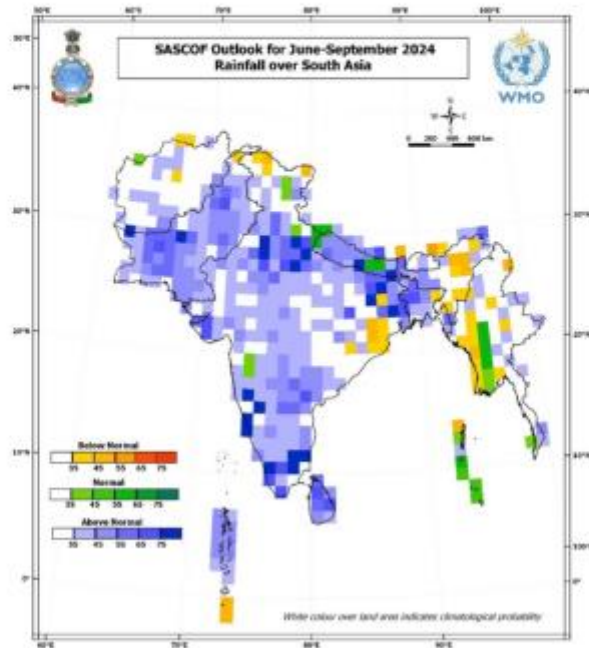
The NH winter and spring snow cover extent has generally an inverse relationship with the subsequent southwest monsoon rainfall over South Asia. The NH snow cover areas during January to March 2024 were below normal. The snow cover area during February and March respectively was 8<sup>th</sup> and 7<sup>th</sup> lowest ever recorded during the past 58 years.

### **Regional Outlook for the 2024 Southwest Monsoon Rainfall over South Asia**

A regional climate outlook for the 2024 Southwest monsoon season rainfall over South Asia was prepared based on the expert assessment of prevailing large-scale global climate indicators mentioned above, experimental models developed during capacity-building workshops conducted for the South Asian countries in association with the previous SASCOF sessions, and experimental as well as operational long-range forecasts based on statistical and dynamical models generated by the NMHSs in the region and various other operational and research climate centres of the world.

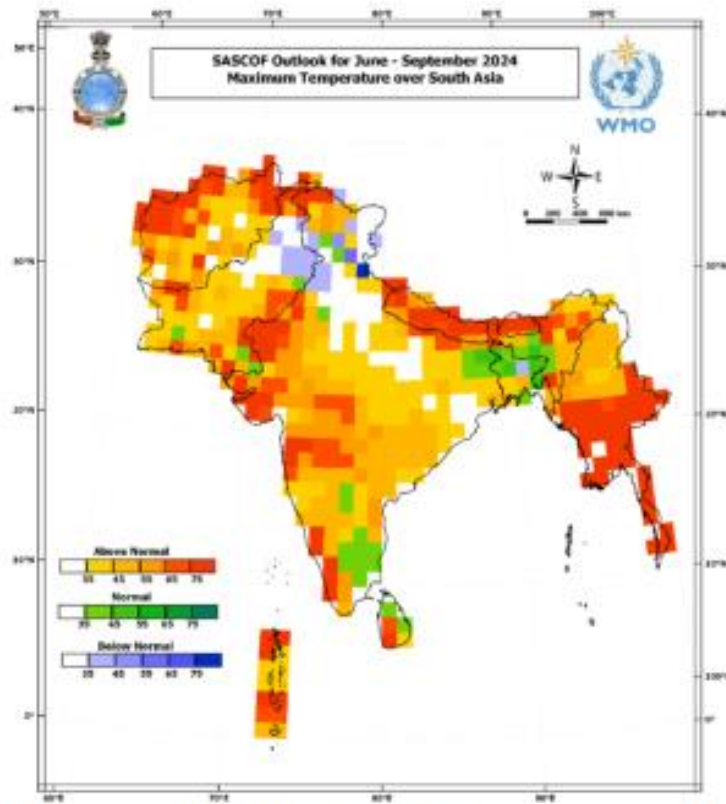
There is a strong consensus among the experts that the La Niña conditions are likely to develop over the equatorial Pacific during the second half of southwest monsoon season. Further, it is well-known that ENSO predictions at this time of the year generally have substantial uncertainty due to the so-called spring barrier in seasonal predictability. It is also recognized that the La Niña conditions are generally associated to the normal to above normal southwest monsoon rainfall over most parts of the South Asia. However, it is important to note that ENSO conditions are not the only factor that determines the performance of Southwest monsoon over the region. Other relevant climate drivers such as the state of the IOD, tropical Atlantic sea surface temperatures, Eurasian land heating etc. are also important. The relative impact of all these parameters needs to be considered to determine the expected state of the monsoon over the region. These are implicitly considered by the dynamical climate models that underpin the present outlook.



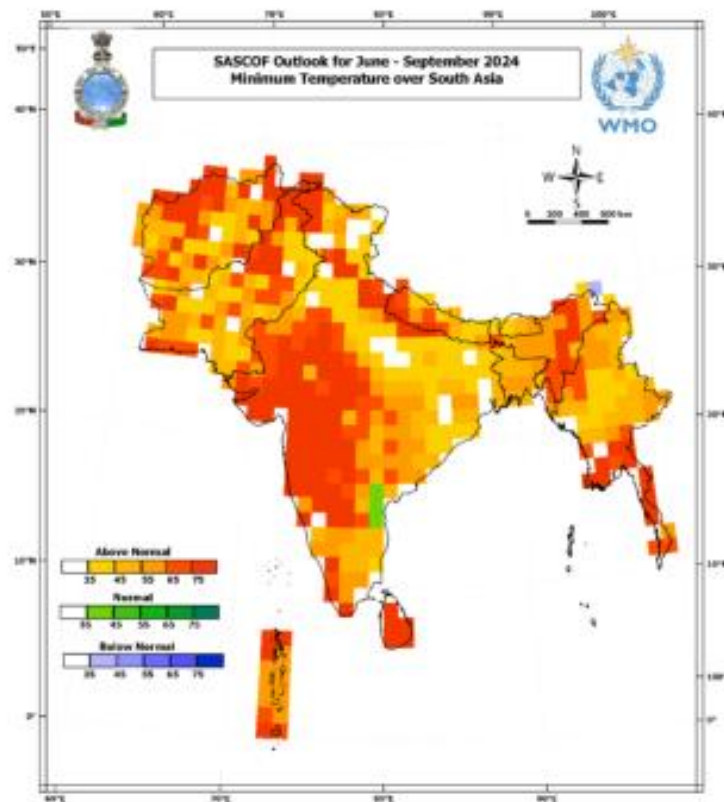


**Fig.1a.** Probability of the most likely category for the 2024 southwest monsoon rainfall over South Asia.

Tercile categories have equal climatological probabilities, of 33.33% each.



**Fig.1b.** Consensus outlook for the monsoon season (June to September 2024) Minimum Temperature over South Asia.



**Fig.1c.** Consensus outlook for the monsoon season (June to September 2024) Maximum Temperature over South Asia.

The outlook for the southwest monsoon rainfall and Temperatures (Minimum and Maximum) for the southwest monsoon season (June to September) over South Asia is shown in Fig. 1a-c. The Figure illustrates grid wise most likely tercile category<sup>1</sup> as well as its probability for each of the 1° latitude x 1° longitude spatial grid boxes over the region. The box-wise tercile probabilities were derived by a synthesis of the available information and expert assessment. It was derived from an initial set of gridded objective forecasts and was iterated through collaborative assessment to synthesize predictive signals from reliable multiple sources.

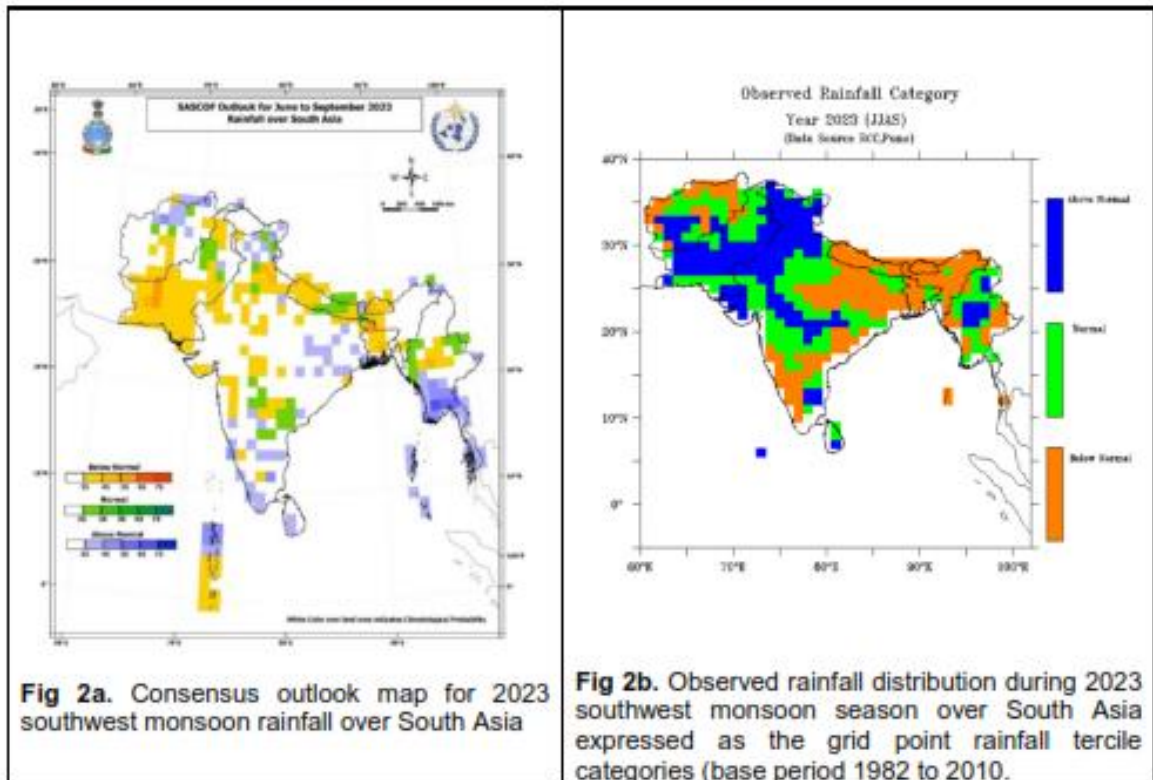
The outlook suggests that above normal rainfall is most likely during the 2024 southwest monsoon season (June – September) over most parts of the South Asia except some areas over northern, eastern and north-eastern parts of the region; where below normal seasonal rainfall is most likely. The seasonal rainfall is most likely to be

normal over the green shaded area. There is no clear signal from the models over the white shaded areas over the land regions.

Consensus outlook on minimum temperatures for June to September 2024 season suggests that above normal minimum temperatures are most likely over most parts of South Asia except a few areas over the south-eastern part of the region where normal temperatures are most likely. Consensus outlook on maximum temperatures for June to September 2024 season suggests that the seasonal maximum temperatures are most likely to be above normal over most parts of the region except some isolated areas over northern, north-western, southern and eastern parts of the South Asia, where normal to below normal maximum temperatures are most likely.

As the rainfall and temperatures during the southwest monsoon season depicts strong intra-seasonal variability, it is advised to watch the extended range forecasts along with updated seasonal forecasts for better decision making. The extended range forecasts for rainfall, temperature, cyclone genesis, MJO etc. over the region can be obtained from Regional Climate Centre. (RCC), Pune website (<http://rcc.imdpune.gov.in/exrange.html>). These forecasts are updated every week.

**Verification of rainfall outlook for JJAS 2023 issued by SASCOF-25**



The outlook for the 2023 southwest monsoon season (June to September) shown in Fig.2a suggested below-normal rainfall over many areas of the northwest and central parts of South Asia, along the foot hills of Himalayas. However, above normal rainfall was predicted over some areas of south and south eastern parts of the region.

Fig.2b shows the observed rainfall distribution during the 2023 southwest monsoon season expressed in terms of tercile categories. It was seen that above normal rainfall was observed over the parts of north-western and central South Asia. The below normal rainfall was observed along the foothills of the Himalayas and Northeastern parts of the region. Above normal rainfall observed over the parts of north-western and central South Asia could not predict well in the outlook. However, below normal rainfall over foothills of the Himalayas could be indicated in the outlook.

## **Background of SASCOF**

Climate predictions are of substantial benefit to many parts of the world in risk management and adaptation to the impacts of climate variability and change, and it is considered useful for countries having common climatological characteristics to come together and collaboratively assess the available prediction information to develop consensus outlooks. Recognizing this, regional climate outlook forums (RCOFs) were conceived with an overarching responsibility to produce and disseminate a joint assessment of the state of the regional climate for the upcoming season. Built into the RCOF process is a regional networking of the climate service providers and user sector representatives. In Asia, China has been coordinating the 'Forum on Regional Climate Monitoring, Assessment and Prediction for Regional Association II' (FOCRA II) since 2005, covering the entire Asian continent.

Asia is a large continent with large differences in the climatological settings on sub-regional scales. Therefore, WMO's Regional Association II (Asia) recommended sub-regional RCOFs devoted to specific needs of groups of countries having similar climate characteristics. Implementation of the South Asian Climate Outlook Forum (SASCOF) in 2010 is a step in that direction with specific focus on the climate information needs of nations affected by the Asian southwest monsoon climate. The first three sessions of the SASCOF were held at Pune, India (during April) and its 4th session was held in April, 2013 at Kathmandu, Nepal. SASCOF-5 (April 2014) was again held in Pune, India.

SASCOF-6 (April 2015) was held in Dhaka, Bangladesh along with Climate Service User Forum (CSUF) for water sector. SASCOF-7 (October 2015), which was the first forum focused on the winter season, was held in Chennai, India in conjunction with the first CSUF-Agriculture. From SASCOF-7 onwards RIMES joined IMD and WMO in co-sponsoring and co-ordinating the SASCOF events and associated user forum. SASCOF-8 (April 2016) was held in Colombo, Sri Lanka along with CSUF Water and CSUF-Health in parallel sessions. SASCOF-8 was also preceded by a capacity building training workshop on seasonal prediction for the operational climate experts of the South Asian countries. SASCOF-9 (September 2016) was held in Nay Pyi Taw, Myanmar in September 2016, in conjunction with the second CSUF-

Agriculture. SASCOF-10 was held in Thimphu, Bhutan (April 2017) and SASCOF-11 in Male, Maldives (September 2017). The SASCOF-12 (April 2018) and associated training workshop on Climate Data Base Management and seasonal prediction were held in Pune, 2018. SASCOF-13 (September 2018) was held in Colombo, Sri Lanka. The SASCOF-14 and associated Pre-COF training workshop on seasonal prediction and CSUF was held in Katmandu, Nepal and hosted by Department of Hydrology and Meteorology (DHM). Met Office, UK joined other existing agencies (IMD, WMO and RIMES) in co-sponsoring the SASCOF events since SASCOF-14 event held during 18-23 April, 2019. The SASCOF-15 and associated Pre-COF training workshop on seasonal prediction and CSUF was held during 23-25 September 2019 in Thiruvananthapuram, India hosted by India Meteorological Department (IMD).

The 16th to 24th Sessions of the SASCOF and associated Climate Service User Forum (CSUF) were held online in the backdrop of the extraordinary circumstances of Covid-19 pandemic prevailing in the world. The table below shows the brief details of these SASCOF sessions held online during 2020-2023

Sectors invited for User Forums	Coordinating Agencies	Sectors invited for User Forums	Coordinating Agencies
SASCOF-16	2020 (20-22 April)	All the Sectoral Users	IMD, WMO, RIMES, BMD, UKMO
SASCOF-17 & CSUF	2020 (23-24 & 28 September)	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC, UKaid
SASCOF-18	2020 November	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC, UKaid
SASCOF-19 & CSUF	2021 (26-28 April)	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC,
SASCOF-20 & CSUF	2021 (27-30 September)	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC, UKaid
SASCOF-21	2021 (25 November)	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC, UKaid
SASCOF-22 & CSUF	2022 (26-28 April)	All the Sectoral Users	IMD, WMO, RIMES, UKMO, ARRC, UKaid
SASCOF-23 & CSUF	2022 (26-29 September)	All the Sectoral Users	IMD, WMO, RIMES
SASCOF-24	2022 (24 November)	All the Sectoral Users	IMD, WMO, RIMES
SASCOF-25	2023	All the Sectoral Users	IMD, WMO, RIMES

& CSUF	(27-29 April)		
SASCOF-26 & CSUF	2023 (27-30 September & 3 October)	All the Sectoral Users	IMD, WMO, RIMES
SASCOF-27	2023 (29 November)	All the Sectoral Users	IMD, WMO, RIMES

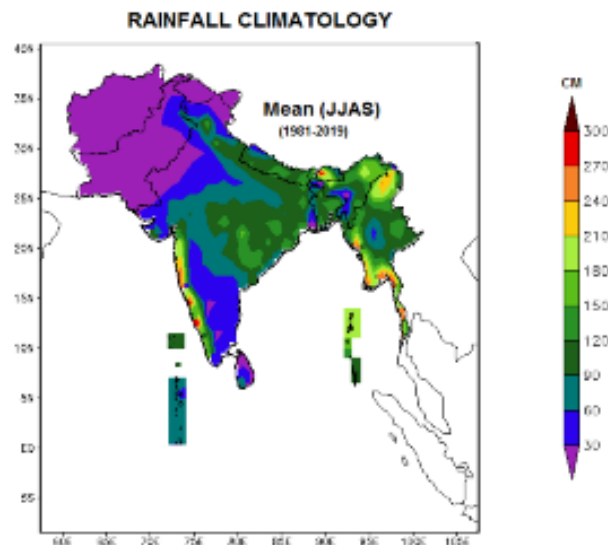
After four years of online sessions of SASCOF, it was decided to restart the physical sessions of the SASCOF. Thus, the current and 28th Session of SASCOF (SASCOF-28) was held in Pune, India coinciding with the celebration of 150th year of establishment of IMD. The SASCOF-28 is jointly coordinated and co-sponsored by IMD, WMO, RIMES and UKMO.

For preparing the consensus forecasts, the forecast products from various centres such as RCC Pune, JMA, CMA, WMO's Lead Centre for Long Range Forecasting –Multi-Model Ensemble (WMO LC-LRFMME), National Centre for Environmental Prediction (NCEP), USA, Météo France, Met Office UK, European Centre for Medium Weather Forecasting (ECMWF), Canadian Meteorological Centre (CMC), Bureau of Meteorology (BoM), Australia, International Research Institute for Climate and Society (IRI), USA, Japan Agency for Marine-Earth Science and Technology (JAMSTEC), APCC, and CPTEC, Brazil etc. were also considered.

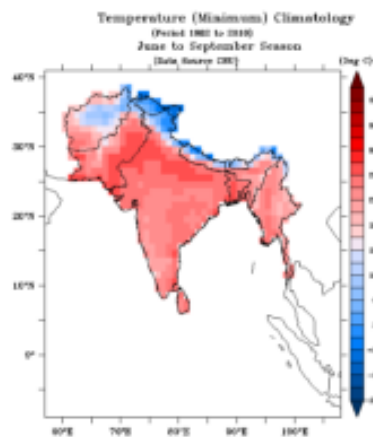
The long-term historical patterns of the southwest monsoon rainfall over South Asia (Fig.3), characterized by remarkable spatial variability, provide the general reference points at the respective locations for the rainfall anomalies indicated in the outlook.

The long-term historical patterns of the Temperature (Minimum and Maximum) over South Asia during June to September (Fig.4 a & b), characterized by large spatial variability, provide the general reference points at the respective locations for the temperature anomalies indicated in the outlook.

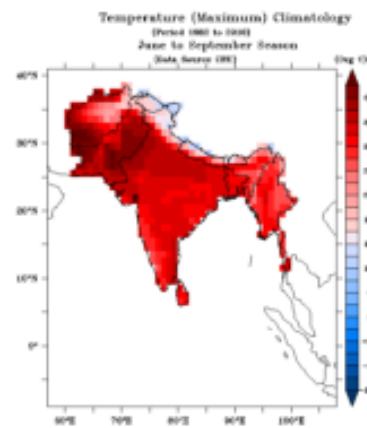




**Fig.3** Rainfall climatology for the period 1981-2019 over South Asia  
Source: Merged rainfall data over south Asia of RCC, Pune)



**Fig.4 (a)** Minimum Temperature climatology based on data of 1982-2010 for June to September Season over South Asia



**Fig.4 (b)** Maximum Temperature climatology based on data of 1982-2010 for June to September Season over South Asia

## Appendix-II: Possible Effects on Human Population and Critical Elements at Union Council Level

### Very High Flood Scenarios Guddu to Sukkur

#### District Ghotki

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Ghotki	Bagodeho no 29	62,473	7,131	1,188	11	-	-
	Hussain Beli no 25	30,186	2,126	354	2	-	-
	Kadirpur no 26	54,896	2,053	342	2	-	-
	Ruk no 30	30,297	95	16	1	-	-
Ubauro	Langho no 02	30,107	1,721	287	5	-	-
	Ranwati no 04	50,421	934	156	2	-	-
	Wasti Jiwan Shah no 03	62,679	384	64	1	-	-
<b>Total</b>		<b>321,059</b>	<b>14,444</b>	<b>2,407</b>	<b>24</b>	<b>-</b>	<b>-</b>

#### District Kashmore

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kandhkot	Dari (Ghouspur)	102,005	7,297	1,216	5	-	-
	Haibat	48,606	4,325	721	2	1	-
Kashmore	Gublo	77,837	40,250	6,708	18	3	-
	Khewali	40,763	2,650	442	8	-	-
<b>Total</b>		<b>269,210</b>	<b>54,522</b>	<b>9,087</b>	<b>33</b>	<b>4</b>	<b>-</b>

#### District Shikarpur

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Khanpur	Gari Tegho	21,375	1,230	205	2	-	-
	Mehmooda Bagh	36,530	6,687	1,115	6	4	-
Lakhi	Sehwani	44,801	891	149	4	6	-
<b>Total</b>		<b>102,706</b>	<b>8,809</b>	<b>1,468</b>	<b>12</b>	<b>10</b>	<b>-</b>

### District Sukkur

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
New Sukkur	Tamachani	404,874	4,943	824	10	5	-
Pano Aqil	Baiji	23,795	39	7	1	-	-
	Hingoro	20,979	4,227	704	8	3	-
	Nauraja	21,190	19,298	3,216	40	6	-
	Sadhuja	79,264	15,306	2,551	17	13	-
	Sangi	23,831	693	115	6	-	-
Rohri	Ali Wahan	6,716	534	89	2	-	-
	Panhwar	60,514	2,785	464	7	1	-
	Arore	287,559	145	24	1	-	-
<b>Total</b>		<b>928,720</b>	<b>47,971</b>	<b>7,995</b>	<b>92</b>	<b>28</b>	<b>-</b>

### Sukkur to Kotri

#### District Dadu

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Dadu	Allahabad	40,017	2,168	361	1	-	-
	Monder	81,225	5,073	845	2	4	-
	Sial	171,626	1,170	195	2	5	-
Mehar	Nao Goth	139,411	742	124	3	1	-
<b>Total</b>		<b>432,279</b>	<b>9,153</b>	<b>1,525</b>	<b>8</b>	<b>10</b>	<b>-</b>

#### District Jamshoro

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kotri	A	54,484	26,114	4,352	6	4	-
	Allah Bachyo Shoro	320,185	4,361	727	2	1	-
	Unerpur	128,901	4,429	738	1	2	-
Manjhand	Lakha	32,388	777	129	1	4	-

	Manjhand	59,553	3,143	524	7	10	-
Sehwan	A	2,648	2,648	441	1	1	-
<b>Total</b>		<b>598,160</b>	<b>41,470</b>	<b>6,912</b>	<b>18</b>	<b>22</b>	<b>-</b>

### District Khairpur

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Gambat	Agra	56,529	1,506	251	2	5	-
	Khemta	19,436	210	35	1	1	-
	Ripri	36,954	1,818	303	2	4	-
<b>Total</b>		<b>112,919</b>	<b>3,534</b>	<b>589</b>	<b>5</b>	<b>10</b>	<b>-</b>

### District Larkana

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Bakrani Taluks	Purano Abad	70,571	1,230	205	3	1	-
<b>Total</b>		<b>70,571</b>	<b>1,230</b>	<b>205</b>	<b>3</b>	<b>1</b>	<b>-</b>

### District Matiari

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Hala	Bhanoth	27,600	3,760	627	4	3	-
	Hala Old	20,759	1,626	271	3	-	-
	Karam Khan Nizamani	111,775	594	99	1	-	-
Saeedabad	Saeed Abad	48,169	3,998	666	6	1	-
<b>Total</b>		<b>208,304</b>	<b>9,979</b>	<b>1,663</b>	<b>14</b>	<b>4</b>	<b>-</b>

### District Naushahro Feroze

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kandiario	Bhorthi	17,371	2,068	345	2	-	-
	Kamaldero	27,058	4,298	716	6	-	-
	Mohabat Dero Jagir	22,872	321	53	2	-	-
<b>Total</b>		<b>67,300</b>	<b>6,687</b>	<b>1,115</b>	<b>10</b>	<b>-</b>	<b>-</b>

**District Shaheed Benazirabad**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kazi Ahmed	Said Kando	38,843	488	81	2	2	-
	That	40,924	8,546	1,424	5	4	-
Sakrand	Guhram Mari	17,248	3,503	584	2	-	-
<b>Total</b>		<b>97,016</b>	<b>12,537</b>	<b>2,089</b>	<b>9</b>	<b>6</b>	<b>-</b>

**Sukkur to Kotri**

**District Hyderabad**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Latifabad	Latifabad 1	371,468	4,507	751	2	-	-
	Latifabad 4	33,017	278	46	1	-	-
<b>Total</b>		<b>404,485</b>	<b>4,785</b>	<b>798</b>	<b>3</b>	<b>-</b>	<b>-</b>

**District Sujawal**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Jati	Mureed Khoso	25,756	901	150	4	-	-
Kharo Chan	Kharo Chan	11,192	11,192	1,865	14	-	-
Shah Bunder	Doulat Pur	18,129	3,378	563	4	-	-
	Goongani	94,500	46,559	7,760	11	-	-
	Jongo Jalbani	14,778	620	103	3	-	-
Sujawal	Belo	18,585	4,710	785	3	-	-
	Bijora	57,885	630	105	1	-	-
<b>Total</b>		<b>240,826</b>	<b>67,992</b>	<b>11,332</b>	<b>40</b>	<b>-</b>	<b>-</b>

**District Tando Muhammad Khan**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Bulri Shah Karim	Janhan Soomro	32,755	135	23	1	-	-
	Mullan Katiar	38,184	860	143	2	1	-
	Saeedpur	65,292	4,251	708	3	1	-
<b>Total</b>		<b>136,231</b>	<b>5,246</b>	<b>874</b>	<b>6</b>	<b>2</b>	<b>-</b>

**District Thatta**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Ghorabari	Khan	61,944	4,415	736	2	-	-
	Kotri Allah Rakhio Shah	42,605	3,676	613	6	-	-
	Mahar	32,724	1,004	167	3	-	-
	Udassi	30,330	9,515	1,586	16	-	-
	Keti Bunder	Keti Bundar	55,652	13,208	2,201	19	-
Thatta	Chato Chand	16,699	398	66	1	-	-
	Domani	16,392	854	142	3	-	-
	Jhurrk	28,270	3,774	629	11	-	-
	Kalan Kot	14,200	4,320	720	9	-	-
	Tando Hafiz Shah	26,511	20,172	3,362	19	-	1
<b>Total</b>		<b>325,326</b>	<b>61,336</b>	<b>10,223</b>	<b>89</b>	<b>-</b>	<b>2</b>

**Super Flood Scenarios  
Guddu to Sukkur**

**District Ghotki**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Ghotki	Bagodeho no 29	62,473	17,617	2,936	26	4	-
	Ghotki	69,264	245	41	1	-	-
	Hussain Beli no 25	30,186	3,296	549	7	-	-

	Kadirpur no 26	54,896	10,008	1,668	17	3	-
	Ruk no 30	30,297	95	16	1		-
Ubauro	Langho no 02	30,107	2,127	355	8	-	-
	Ranwati no 04	50,421	2,628	438	3	-	-
	Wasti Jiwan Shah no 03	62,679	384	64	1	-	-
<b>Total</b>		<b>390,323</b>	<b>36,400</b>	<b>6,067</b>	<b>64</b>	<b>7</b>	<b>-</b>

**District Kashmir**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kandhkot	Dari (Ghouspur)	102,005	24,259	4,043	15		-
	Haibat	48,606	22,597	3,766	15	8	-
Kashmore	Gihalpur	22,308	3,031	505	2		-
	Gublo	77,837	50,353	8,392	28	4	-
	Kashmore Colony-I	196,853	5,859	976	6	7	-
	Kashmore -II	28,220	2,513	419	2	2	-
	Khewali	40,763	7,607	1,268	23	8	-
<b>Total</b>		<b>516,592</b>	<b>116,219</b>	<b>19,370</b>	<b>91</b>	<b>29</b>	<b>-</b>

**District Shikarpur**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Khanpur	Garhi Tegho	21,375	2,524	421	8	2	-
	Mehmood a Bagh	36,530	15,746	2,624	22	5	-
	Pir Bux Shujrah	38,108	149	25	1	-	-
Lakhi	Sehwani	44,801	891	149	4	7	-
<b>Total</b>		<b>140,815</b>	<b>19,310</b>	<b>3,218</b>	<b>35</b>	<b>14</b>	<b>-</b>

**District Sukkur**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
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New Sukkur	Tamachani	404,874	7,178	1,196	11	8	-
Pano Aqil	Baiji	23,795	39	7	1		-
	Hingoro	20,979	4,227	704	8	3	-
	Nauraja	21,190	20,232	3,372	44	8	-
	Sadhuja	79,264	21,874	3,646	38	17	-
	Sangi	23,831	693	115	6		-
Rohri	Ali Wahan	6,716	534	89	2		-
	Panhwar	60,514	2,785	464	7	1	-
	Arora	287,559	145	24	2		-
<b>Total</b>		<b>928,720</b>	<b>57,708</b>	<b>9,618</b>	<b>119</b>	<b>37</b>	<b>-</b>

**Sukkur to Kotri**

**District Dadu**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Dadu	Allahabad	40,017	2,168	361	1	-	-
	Monder	81,225	12,595	2,099	3	8	-
	Sial	171,626	4,871	812	8	14	-
Mehtar	Bali Shah	73,354	2,060	343	1	4	-
	Nao Goth	139,411	6,288	1,048	8	2	-
<b>Total</b>		<b>505,633</b>	<b>27,981</b>	<b>4,664</b>	<b>21</b>	<b>28</b>	<b>-</b>

**District Jamshoro**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kotri	A	54,484	26,114	4,352	7	7	-
	Allah Bachyo Shoro	320,185	8,594	1,432	6	8	-
	Unerpur	128,901	4,429	738	1	2	-
Manjand	Amri	30,289	868	145	3	5	-
	Lakha	32,388	1,155	193	2	4	-
	Manjhand	59,553	3,143	524	7	10	-
Sehwan	A	2,648	2,648	441	2	1	-
<b>Total</b>		<b>628,448</b>	<b>46,951</b>	<b>7,825</b>	<b>28</b>	<b>37</b>	<b>-</b>



**District Khairpur**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Gambat	Agra	56,529	12,840	2,140	9	16	-
	Khemta	19,436	1,768	295	4	5	-
	Ripri	36,954	18,794	3,132	16	11	-
Khairpur	Baberloi	31,478	166	28	1	1	-
Kingri	Hadad Shah	139,709	20,864	3,477	8	13	-
	Piryaloi	16,431	208	35	1	-	-
Sobho Dero	Pir Hayat Shah	37,626	2,882	480	2	15	-
	Sagyoon	26,632	1,993	332	2	19	-
<b>Total</b>		<b>364,795</b>	<b>59,516</b>	<b>9,919</b>	<b>43</b>	<b>80</b>	<b>-</b>

**District Larkana**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Bakrani Taluks	Purano Abad	70,571	5,717	953	7	1	-
Dokri	Bagi	61,686	1,337	223	3	1	-
Larkana	Akil	41,298	6,095	1,016	3	-	-
<b>Total</b>		<b>173,556</b>	<b>13,149</b>	<b>2,191</b>	<b>13</b>	<b>2</b>	<b>-</b>

**District Matiari**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Hala	Bhanoth	27,600	3,760	627	4	3	-
	Hala Old	20,759	1,626	271	3	-	-
	Karam Khan Nizaman i	111,775	594	99	1	-	-
Saeedabad	Saeed Abad	48,169	3,998	666	6	1	-
<b>Total</b>		<b>208,304</b>	<b>9,979</b>	<b>1,663</b>	<b>14</b>	<b>4</b>	<b>-</b>

**District Naushahro Feroze**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kandiaro	Abad	20,063	2,269	378	4	-	-
	Bhorti	17,371	2,068	345	3	-	-
	Dabhro	17,363	2,037	340	1	-	-

	Kamaldero	27,058	6,931	1,155	11	-	-
	Mohabat Dero Jagir	22,872	321	53	2	-	-
Moro	Fatoo Balal	123,984	769	128	1	-	-
	Gachero	70,984	2,722	454	5	-	-
<b>Total</b>		<b>299,695</b>	<b>17,117</b>	<b>2,853</b>	<b>27</b>	<b>-</b>	<b>-</b>

**District Shaheed Benazirabad**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Kazi Ahmed	Qaiz Ahmed 02	25,988	1,515	253	1	1	-
	Said Kando	38,843	1,632	272	4	5	-
	That	40,924	16,468	2,745	9	7	-
Sakrand	Bhura	48,265	2,763	461	3	2	-
	Guhram Mari	17,248	3,503	584	2	2	-
	Hamal Faqir	35,541	1,571	262	2	1	-
<b>Total</b>		<b>206,811</b>	<b>27,453</b>	<b>4,575</b>	<b>21</b>	<b>18</b>	<b>-</b>

**Sukkur to Kotri**

**District Hyderabad**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Latifabad	Latifabad 1	371,468	4,507	751	3		-
	Latifabad 25	204,909	287	48	2	3	-
	Latifabad 4	33,017	278	46	1		-
<b>Total</b>		<b>609,393</b>	<b>5,073</b>	<b>845</b>	<b>6</b>	<b>3</b>	<b>-</b>

**District Sujawal**

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Jati	Mureed Khoso	25,756	901	150	4	-	-

Kharo Chan	Kharo Chan	11,192	11,192	1,865	14	-	-
Shah Bunder	Doulat Pur	18,129	3,378	563	4	-	-
	Goongani	94,500	51,300	8,550	16	-	-
	Jongo Jalbani	14,778	620	103	3	-	-
Sujawal	Ali Bahar	83,725	2,447	408	2	-	-
	Belo	18,585	4,710	785	3	-	-
	Bijora	57,885	1,871	312	2	-	-
<b>Total</b>		<b>324,551</b>	<b>76,420</b>	<b>12,737</b>	<b>48</b>	<b>-</b>	<b>-</b>

### District Tando Muhammad Khan

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Bulri Shah Karim	Janhan Soomro	32,755	135	23	1	-	-
	Mullan Katiar	38,184	1,116	186	3	1	-
	Saeedpur	65,292	4,251	708	3	1	-
<b>Total</b>		<b>136,231</b>	<b>5,502</b>	<b>917</b>	<b>7</b>	<b>2</b>	<b>-</b>

### District Thatta

Taluka	UC	Total Population of UC	Population	Household	Villages	Schools	Hospital
Ghorabari	Khan	61,944	4,415	736	2	-	-
	Kotri Allah Rakhio Shah	42,605	10,428	1,738	8	-	-
	Mahar	32,724	1,004	167	3	-	-
	Udassi	30,330	13,949	2,325	18	-	-
	Keti Bunder	Keti Bundar	55,652	14,923	2,487	22	-
Thatta	Chato Chand	16,699	398	66	1	-	-
	Domani	16,392	1,136	189	5	-	-
	Jhurrk	28,270	4,347	724	12	-	-
	Kalan Kot	14,200	5,492	915	10	-	-
	Tando Hafiz Shah	26,511	22,248	3,708	25	-	1
<b>Total</b>		<b>325,326</b>	<b>78,339</b>	<b>13,057</b>	<b>106</b>	<b>-</b>	<b>2</b>

## Appendix-III: Details of Low-Lying Areas

S#	District	Location	Geographical Location
1	District West	4K Chowrangi	25.0063948, 67.0644031
		Aligarh Colony	24.9358538, 67.0129493
		Baba More	25.0058639, 67.0537904
		Bukhari Colony	24.9360474, 67.0163002
		Karimi Chowrangi	25.0118963, 67.0640878
		Khuda Ki Basti	25.0325221, 67.0956092
		Khuwaja Ghareeb Nawaz	24.9691647, 67.0696141
		Muhammad Nagar, Sec 11	24.9412934, 66.9969608
		Sector 11 1/2, Orangi Town	24.9574728, 66.9828432
		Sector 12/L	24.9470095, 67.0138372
		Sector 12-C	24.9418113, 66.9548688
		Sector 4 A	25.0220959, 67.0658209
		Sector 4 B	25.014182, 67.0687997
		Sector 4-B	25.0156631, 67.0690723
		Sector 7 B	24.9428985, 67.0110876
		Surjani Town "Power House" Chowrangi	25.0252755, 67.0632657
Thorani Goth	24.9516672, 66.9947271		
Yousuf Goth	25.0090667, 67.0717785		

2	Karachi Central	Abdul Shakoor Chona Depo	24.900722, 67.037332
		Ayesha Manzil Chowrangi	24.927333, 67.064578
		Cafe Piyala	24.945789, 67.067785
		Gujar Nala	24.93483, 67.056711
		Haji Mureed Goth	24.896087, 67.035289
		KDA Chowrangi Bus Stop	24.931101, 67.037947
		Khameeso Goth / Ali Ibrahim Goth UC-9	25.005047, 67.08881
		Lyari Nala	24.9377, 66.949092
		Mandi at Cafe Piyala	24.945059, 67.068008
		Moosa Colony in Front of Sambroz Hospital	24.920808, 67.051076
		Mujahid Colony	24.920532, 67.037151
		Allah Wali near Nadi	24.928467, 67.051814
		Nadeem Arcade	24.962403, 67.063506
		Orangi Nala	24.891381, 67.024449
		Paposh Market & Chandni Chowk	24.921583, 67.021337
		Power House Chowrangi	24.984032, 67.066131
		Paposh Vegetable-Fruit Market	24.921487, 67.020991
		Samanabad Market Gulberg	24.942409, 67.071275
		Shamim Pump between Block 8 & 9	24.917969, 67.073617
		UC-3 Fatima Jinnah Colony	24.967531, 67.076796

		Up More Main Stop Nala Sector 11-I	24.9728, 67.066754
		Water Pump Chowrangi	24.936822, 67.075996
3	Karachi East	Area Opposite to Agha Khan & Liaquat National Hospital	24.890254, 67.070982
		Baran Goth	24.885619, 67.032318
		Bilawal Shah Noorani Goth	24.948076, 67.133963
		Central Jacob Lines	24.867714, 67.038674
		Essa Nagri	24.901724, 67.065821
		Govt Boys School Azeem Khan Gabol Goth Gulshan E Iqbal	24.93705, 67.096545
		Guru mandir near Sabil Wali Masjid	24.879373, 67.038855
		Hansa Cooperative Housing Society Limited	24.955493, 67.163291
		Hasan Square	24.90099, 67.073148
		Jehangir Road	24.886554, 67.041385
		Jutland Lines	24.864906, 67.039385
		Karachi Administration Employees Housing Society - KAECHS	24.862129, 67.080715
		Kashmir Colony	24.839826, 67.076991
		KESC Society	24.943196, 67.160392
		Khudadad Colony	24.872753, 67.046524
		Martin Quarters	24.890766, 67.04482
		Mehmoodabad Number 6 Bus Stop	24.857814, 67.083139
National Stadium Karachi	24.892193, 67.081986		

	New Town Police Station	24.888888, 67.060613
	Nipa Chowrangi Bus Stop	24.917857, 67.09707
	Nishtar Road	24.885393, 67.030507
	Rim Jhim Towers	24.940353, 67.160379
	Saadat e Amroha Society	24.962892, 67.166488
	Sunlay Society	24.941231, 67.154603
	Saadi Town	24.966631, 67.173063
	Sachal Goth	24.951506, 67.131356
	Shahabuddin Market	24.865516, 67.036127
	Soldier Bazaar	24.87683, 67.033055
	Soomra Society	24.96133, 67.161892
	Union Committee Office (UC1 Jamshed Town)	24.839338, 67.074905
	15 Hub Chowki Rd	24.943319, 66.93397
	bhit shah	24.817625, 66.963432
	Football Ground	24.921737, 66.926492
	Golimar	24.885391, 67.015935
	Gul Bai Chowrangi	24.875648, 66.967449
	Gulshan Ghazi Graveyard	24.941807, 66.971572
	Jahanabad	24.885232, 67.000663
	Katchi Para	24.823906, 66.992276

4	Karachi Keamari	Machar Colony	24.862724, 66.979837
		Metroville	24.909166, 66.995078
		Mianwali Colony	24.880961, 67.008854
		Moach Goth	24.921109, 66.9437
		Moulvi Tamizuddin Khan Road	24.844784, 66.999648
		Noorani Ground	24.912475, 66.966969
		Pak Colony	24.900289, 67.013694
		Police Training Center, Saeedabad, Baldia Town, Karachi West, Karachi, Sindh, Pakistan.	24.921784, 66.957192
		Sindh Baluchistan Hotel	24.818759, 66.975886
		Nagina Center	24.829497, 66.982463
		Qasba Colony	24.942563, 67.024119
		Sher Shah Colony	24.883591, 66.988376
		Sikandarabad	24.90349, 67.057257
		Seaman Hostel	24.824564, 66.979358
		Gaib Shah Mazar	24.823298, 66.977774
		Sultanabad	24.839838, 67.018534
		Sadullah Goth	24.956222, 66.944105
Yusuf Goth	24.956024, 66.934765		
KDLB Office	24.849098, 66.990087		



Jungle Shah College	24.824808, 66.9806947
Jungle Shah Mazar	24.823698, 66.981929
KMC Compound	24.88135, 67.045651
Toheed Masjid	24.865126, 67.003302
Farooq-e-Azam Masjid	24.824315, 66.98433
Nagina Center	24.829677, 66.98249
Habib Bank	24.823633, 66.981907
Pathan Masjid	24.978358, 66.88912
Shareef Clinic	24.855051, 67.06695
Quba Masjid	24.862015, 67.000689
Tajbar Shop	24.859145, 67.00095
Qasim Shah House	24.92745, 66.938687
Chahchi Hotel	24.823445, 66.994731
Minar Masjid	24.903, 67.054736
Mubarak Masjid	24.89458, 67.047011
KPT Ground	24.821429, 66.986874
Jadoon House	24.823843, 66.995553
Al-Felah Masjid	24.925677, 67.008774
Massan Chowk	24.820772, 66.994929
Usman Ghani Masjid	24.87521, 66.954353

Bilal Masjid Nallah	24.865191, 66.980521
Saeedia Masjid Nallah	24.826157, 66.994597
Haji Camp	24.839732, 67.015144
NLC head quarter gate	24.818772, 66.974275
Mai Kalachi Road	24.836542, 67.013683
500 Quarters	24.888638, 66.89725
KANUPP	24.853705, 66.774148
Dilfulabad Culvert	24.872672, 66.918695
Telephone Exchange	24.86642, 66.917761
Urdu Bazar	24.882779, 66.985621
Shaheen Hotel	24.86046, 67.000813
Muhammadi Road	24.880855, 66.986516
Akbar Road	24.877449, 66.983513
Iqbal road wali pullia	24.926721, 66.967777
Graveyard Baldia Town	24.915428, 66.971024
Awami Street	24.917631, 66.969556
Bukhari Masjid wali pulia	24.95276, 66.948682
PSO Rasheedabad 20. No Bus Stop	24.819254, 66.99511
Gulshane-E-Ghazi Chowk Masjid	24.931042, 66.970706
Jeddah Hazara Colony Jumma Bazaar Culvert	24.929876, 66.965571

		Gousia Masjid Culvert	24.912675, 66.93833
		PSO Pump Moach More	24.924095, 66.946002
		Raja Tanveer Colony Culvert	24.977795, 66.94653
		Hassan Goth Culvert	25.02869, 67.092076
		Dawood Goth Culvert	24.950149, 66.945929
		Sajjan Goth Culvert	24.926273, 66.95279
		Pakora Chowk Culvert	24.940906, 66.963166
		Qazi Hospital Culvert	24.939035, 66.958928
		Kabari Chowk Culvert	24.93851, 66.958799
		19-D Bus Stop	24.954764, 66.949855
		Quetta Hotel Jungle School Road	24.924263, 66.969075
		Stadium Chowk	24.929348, 66.959183
		Police Complex	24.921247, 66.957052
5	Karachi Malir	Shell Petrol Pump to Airport Turning	24.887195, 67.163336
		Falak Naz to Airport Nallah	24.886763, 67.14587
		Dawood Chowranghi Nallah	24.850399, 67.20724
		Juvenile Prison Malir District (Bacha Jail)	24.853222, 67.253963
6	Karachi South	Amir Khusro Park	24.814265, 67.030361
		Arts Council of Pakistan Karachi	24.852986, 67.02165
		Bakhtawar Tower	24.811918, 67.011608

Bilawal Chorangi	24.81557, 67.020488
Clifton Bridge	24.843839, 67.032219
Consulate General of Japan in Karachi	24.845425, 67.032263
Doctor Ziauddin Ahmed Road	24.844196, 67.028233
Ghulam Hussain Qasim Rd	24.874646, 67.016454
Glass Tower Street	24.835719, 67.033317
Haroonabad	24.893531, 66.993588
Hijrat Colony Nallah	24.835308, 67.020906
Hyperstar	24.802781, 67.03059
Jillani Centre	24.848653, 66.996693
Jubilee Chowk	24.865022, 67.018566
Kalri Rd Nallah	24.857074, 66.99607
Karachi Club	24.84354, 67.028954
Karachi Metropolitan Corporation Building	24.854638, 67.007177
Kutiyana Memon Hospital	24.852173, 66.993296
Metropole hotel	24.850634, 67.029656
Metropole Roundabout	24.84661, 67.02496
MPA Hostel	24.856103, 67.024273
Nabi Bux & Garden Police Station	24.86955, 67.01729
Nehr-e-Khayyam Nallah	24.825343, 67.03496

		PC Hotel	24.84722, 67.026288
		Pitchar Nallah	24.855194, 66.996427
		Provincial Assembly of Sindh	24.854429, 67.020151
		Railway Colony	24.84535, 67.04832
		Shahrah-e-Attar	24.80431, 67.028321
		Shahrah-e-Liaquat	24.854512, 67.010913
		Siddiq Wahab Road	24.862532, 67.002335
		Sindh Secretariat Nallah	24.85385, 67.016852
		Spencer Eye Hospital	24.863869, 67.002371
		Urdu Bazar Karachi	24.858866, 67.017537
7	Korangi	3 Main Korangi Rd	24.833998, 67.100131
		Chakra Goth	24.817609, 67.128459
		College Of Business Management	24.812844, 67.117468
		Gulshan e Sikandar	24.815697, 67.119485
		Korangi 1 1/2	24.823532, 67.137731
		Korangi GPO	24.839918, 67.143365
		RCD Ground Road	24.899517, 67.197212
		Shah Faisal Colony 2	24.88071, 67.149402
		Shan Chorangi Bus Stop	24.838764, 67.120795
		Singer Puliya (Culvert)	24.842666, 67.161019

		Vita Chorangi Bus Stop	24.841327, 67.133717
		Zaman Town	24.831622, 67.152209
8	Hyderabad	Abdullah Town	25.403835, 68.338026
		Ahsanabad Colony	25.403957, 68.383421
		Al Shahbaz Colony Kachi Abadi	25.397114, 68.329713
		Allah Bachayo Shoro	25.323806, 68.330485
		Apwa Girls High School - Latifabad No 8	25.366868, 68.362612
		Baban Shah Colony - Latifabad No.1	25.379094, 68.34089
		Bachal Solangi Goth Halanaka	25.419873, 68.378271
		Bangali Colony - Latifabad No 1	25.377676, 68.341753
		B-Block Latifabad No. 9	25.36171, 68.352725
		Bhitai Town Road	25.419722, 68.340778
		Bhittai Nagar	25.421521, 68.343243
		Bilal Jama Majid - Latifabad No. 11	25.356178, 68.362008
		Christian Colony - Latifabad No 10	25.381938, 68.370632
		Citizen Colony	25.41111, 68.346441
		E Block - Latifabad No 11	25.359684, 68.36041
		F Block - Latifabad No 8	25.363651, 68.363214
Farooqia Masjid 7D - Latifabad no. 7	25.372848, 68.353537		
Feroz Colony - Ltifabad No 12	25.369392, 68.369053		

G.G Hani School - Latifabad No 7	25.373579, 68.362915
GBHS Mir Nabi Bux town	25.401772, 68.389903
GOR Colony - Latifabad No 1	25.379247, 68.345106
Goth karan Khan Shoro	25.435683, 68.332437
Gulistan-e-Sajjad	25.417824, 68.344361
Gulshan-e-Mehran	24.973748, 67.199876
Husri	25.314765, 68.42485
Hussainabad - Latifabad No.3	25.378033, 68.323494
Hussaini Imambargah Masjid - Latifabad No 11	25.358662, 68.362938
Hyder Chok	25.385931, 68.367328
Ikram Traders motor pump Hyderabad, Shahzad pumps hyd.	25.382137, 68.368651
Imam Bargha Ali Abad	25.392976, 68.383174
Khursheed Town	25.415609, 68.381929
Lab-e-Mehran	25.384928, 68.326822
Liaqat Colony Ground	25.402232, 68.378338
Marvi Town	25.421945, 68.339144
Mumtaz Colony	25.381621, 68.366066
Norai Sharif	25.170978, 68.474782
Mir NabiBux Town (Noorani Basti)	25.404293, 68.385068
Old Wahdat Colony	25.381225, 68.33281

		Railway Colony	25.380097, 68.368955
		Sheedi Goth	25.390744, 68.326102
		Tando Alam Mari	25.299535, 68.502729
		Tando Fazal	25.251963, 68.53962
		Tariq Colony	25.362288, 68.347712
9	Mirpurkhas	Daulatpur Minor	25.442777, 68.946944
		Deh 143	25.230158, 68.975716
		Deh 149	25.208737, 68.993989
		Deh 150	25.1904908, 68.991576
		Deh 151	25.506595, 69.013592
		Deh 153	25.17016, 69.02896
		Deh 154	25.202389, 69.05886
		Deh 155	25.216139, 69.038128
		Deh 160	25.175632, 69.04199
		Deh 161	25.181162, 69.046132
		Deh 164	25.106217, 69.104056
		Deh 170	25.110667, 69.067716
		Deh 171	25.12831, 69.091463
		Deh 172	25.132496, 69.093992
Deh 178	25.143472, 69.114324		



Deh 190	25.05449, 69.14681
Deh 194	25.048698, 69.187487
Deh 195	25.042281, 69.203312
Deh 196	25.035093, 69.15342
Deh 197	25.002604, 69.174095
Deh 201	25.017793, 69.180099
Deh 202	25.028318, 69.247185
Deh 253	25.362397, 69.113913
Deh 293	25.230511, 69.232537
Deh 297	25.2271462, 69.223314
Deh 301	25.207529, 69.272396
Deh 307	25.118215, 69.315618
Digri	25.156775, 69.111924
Gharibabad City Pumping station Khad Plot	25.529921, 69.020262
Village Ghulam Muhammad Rind	25.483232, 68.942306
Gulshan Colony Para	25.515323, 69.00878
Hingorjo Restaurent	25.713731, 69.137042
Village Jam Laghari	25.458848, 69.011357
Village Lal Khan Laghari	25.378798, 69.096787
Village Niaz Baloch Deh 383	25.413069, 69.061151

		Village Ch. Ghulam Muhammad Laghari Deh Mirwah	25.328993, 69.034099
		Village Taju Khaskheli	25.412056, 68.975439
		Village Wali Muhammad Khatiyani Deh Chahoo	25.4194, 69.105543
		Village Hameer Khaskheli Deh Toori	25.398598, 69.070035
		Jamrao Canal	25.282248, 69.266535
		Jhudo	24.9655078, 69.293713
		Kot Ghulam Muhammad	25.285151, 69.254973
		Deh Malook Halepoto	24.973011, 68.45861
		Mithrao	25.530846, 68.999049
		MMD Near Ratanabad	25.513905, 68.948643
		Naseer Canal	25.050766, 69.103747
		Rahim Nagar Para	25.516827, 69.009483
		Sarfaraz Wah Bridge	25.159668, 69.11102
		Sindhri	25.709017, 69.128515
10	<b>Shaheed Benazirabad</b>	Village Mir Sher Muhammad Talpur Panhwarki	25.513975, 69.025112
		Azeem Colony	26.237797, 68.398765
		Bandhi	26.586219, 68.301135
		Bhangwar Colony	26.235458, 68.401746
		Bukhari Mohallah	26.13904, 68.270443
		Daur Town Office	26.352004, 68.363888

		Village Muhammad Ali Halepoto Deh 246	25.466854, 69.092918
		Hirabad City Pumping Station Azizabad and Khad Plot	25.53144, 69.010607
		Jam Sahib	26.2978795, 68.6260691
		Khadhar Market	26.1425535, 68.3700633
		Makhand Village	26.577888, 68.204811
		Mehrabpur Road	26.1361637, 68.2704784
		Mehar Cinema City	25.534246, 69.014058
		Mehran Colony	26.2403113, 68.3946666
		Mukhtiarkar Office	26.2434481, 68.4049575
		Taj Colony	26.2646361, 68.3976477
		Village Jari, Dehjari	26.482697, 68.181956
		Village Makhan Samoon	25.434785, 69.019332
		Manzoorabad Panhwarki	25.507892, 69.018782
		Zanowr Colony Khadhar Road	26.140301, 68.28183
11	Sukkur	Ali Wahan	27.6666279, 68.9355791
		Bagarji	27.7553689, 68.7585003
		Khan Belo Panhwari	27.8182662, 69.0180414
		Khadri Katcho Mando Dero	27.68581, 68.948945
		Mando Dero Rohri	27.6800944, 68.9521578
		New Sukkur	27.7001367, 68.8694187

	Old Sukkur	27.7093847, 68.8779522
	Pano Aqil	27.8144456, 69.1089444
	Rohri	27.685893, 68.89739
	Sadhuja	27.9448697, 69.0851015
	Shahpur	27.728823, 68.808882
	Sukkur	27.7243563, 68.8228082

## Appendix-IV: District wise Inventory Stock Availability

### CENTRAL KARACHI 5 TMC Central District

Name of Machinery	Quantity
Sanitary Worker	800
Dumper	25
Loader	04
Shovel	09
Open Truck	05
Tractor Trolley	20
Dewatering Pump	12

### SSWMB

Name of Machinery	Quantity
Dumper	10
Loader	04
Shovel	07
Trolleys	18
Tractor Blade	03

### KW& SB

Name of Machinery	Quantity
Kundiman	500
Suction Machines	04
Roding Machines	04

### KARACHI EAST

#### Detail of Machinery deputed for Rain Emergency

1	D/Watering Pumps (Diesel)	02
2	D/Watering Pumps 3x3 (Petrol)	03
3	Sullage Water Tanker with rear dewatering pumps	02
4	Suzuki Pickup	02
5	Hyundai Shehzore	01
6	Tractor with Auto Loader	01
7	Electric Vehicle	01
8	Dump Truck (to be provide by Conservancy Contractor)	02
9	Excavator. Heavy Machinery	to be provided by workshop in charge by hiring from local market as and when required.

KEAMARI

Particular	Available Quantity	Remarks
De-Watering Pumps	6	-
Electric Vehicle	01	-
Bobcat	-	-
Dumper	-	04 Nos may be provided from KMC
Wheel Barrow	10	-
Spades	20	-
Shovels	20	-
Water Tanker	1	-
Brushes	40	-
Tikam	20	-
Bleaching Power	02 Bags	-
Excavator	-	May be provided from KMC
Cess Pool	-	May be provided from KMC
Life Board	-	May be provided from KMC
Front Loader	-	-

KORANGI

TMC Shah Faisal  
Machinery Available

Name of Vehicle	Quantity
De-Watering Pumps	04
Fumigation Machine	02
Vipers	24
Electric Van	01
Sky Life	01
Mazda Truck	01

TMC Landhi

Name of Vehicle	Quantity
De-Watering Pumps	02
Loaders	01
Dumpers	02
Electric Van	01
Sky Life	01

MALIR

Status of Stock/ Dewatering Pumps / Machinery Availability in District Malir

Main power	263
Vehicles	4 excavator and 6 dumpers
De-watering pump	03 (held) & 2 (serviceability) total= 05
Rain coat	50
Long shoes	50

TMC machinery available Malir zone

S#	Machinery Type	Number Of Machinery
1	Dewatering Pumps	10
2	Tractors Blade	01
3	Tractor Shawls	01
4	Truck FTR	01
5	Electric Vans	01
6	Water Bowser	02
7	Lifter	01

KARACHI SOUTH

Following vehicles/machinery engaged for monsoon emergency duty

Name of Department	Quantity of Pumps	Dumper	Shovel	Cespool	Tractor Trolley	Suction Machine	Bom Cat
KMC	12 Pumps of 4 Diameter	20	-	-	-	-	-
	8 Pumps of 6 Diameter						
DMC	33 Pumps of 4 Diameter	43	6	2	1	3	-
	10 Pumps of 3 Diameter						
KWSB	-	-	-	-	-	10	-
SSWMB	SSWS	Ensure proper Brushing in Various low-lying areas and emergency team of 150 labour with proper equipment.					
Fire Bridge	Fire tender 5, Rescue Vehicles 1, Snorkel 1						
Cheepa Welfare	Ambulance 50						
Edhi Foundation	Ambulance 50						
Rescue	1122						

**KARACHI WEST**  
Machinery and Vehicles available in DMC West Karachi

S#	Make & model	Registration
1	Volvo fl-06	Ch-101122
2	Volvo fl-06	Ch-159038
3	Volvo fl-06	Ch-101284
4	Volvo fl-06	Ch-159039
5	Volvo fl-06	Ch-158505
6	Hino fb dumper	Ch-16068
7	Hino fb dumper	Ch-11398
8	Hino fb	Ch-10905
9	Hino fb	Ch-10784
10	Hino fb	Ch-16112
11	Hino ff	Ch-21291
12	Hino ff	Ch-21287
13	Hino fd	Ch-10044
14	Bed ford	Gs-3240
15	Issuzu	Gs-8756
16	Tractor trolly	Ch-g002807
17	Tractor trolly	Ch-g002907
18	Tractor trolly mf240	Ch-161453
19	Tractor trolly mf240	Ch-616353
20	Tractor trolly mf240	Gs-9056
21	Tractor ford	Ch-161427
22	Tractor trolly	Ch-2808

**List of mechanical machineries**

1	Front wheel loader	702571
2	Front komatso loader	Ch-19912
3	Tractor front loader 385	Ch-g 2806
4	Tractor front loader 385	Ch-500253
5	Tractor excavator	Ch-2902
6	Komatso skid loader (bob cat)	Ch-204021
7	Bob cat skid loader	703571
8	Bach hoe front loader	702405
9	Electric van	G-6046
10	Electric van	GI-5441
11	Spray machines	04
12	Dewatering pump	15

**BADIN**

S#	MC/TC	Total No. of De-watering machine (Diesel)	Total No. of De-watering machine (Petrol)
1	District Council Badin	4	-
2	MC Badin	5	5
3	MC Matli	3	4
4	TC Panerio	3	1
5	TC Kario Ghanwar	5	2



6	TC Khoski	4	4
7	TC Nindo Shahar	2	1
8	TC Tando Ghulam Ali	-	3
9	TC Tando Bago	3	1
10	TC Kadhan	4	-
11	TC S.F Rahu	4	-
12	TC Khorwah	3	-
13	TC Talhar	2	-

Sr.	Name of Department	No. of Vehicles in working condition
1	Local Govt. Department	10 (5 Tractors & 5 Cars)
2	Revenue Department	05 Jeeps / Cars
3	Agricultural Department	3 Jeeps & 01 double cabin
4	Health Department/Indus/1122	37 Ambulance
5	Education Department	07 Cars
6	Irrigation Department	13
7	Drainage/LBOD, Department	05
8	PHED, Department	05
9	NGOs	15

DADU

	Taluka Dadu	Taluka Johi	Taluka KN Shah	Taluka Mehar	Total
Diesel Engine/ Pump Mechines	09	05	05	05	24
Tractor with Trolley	02	01	01	03	07
Tractor with Dozer blade	01	01	01	01	04
Refusal Van	04	01	0	03	09
Fire Brigade	02	01	01	02	06

HYDERABAD

Status of Stock/ Dewatering Pumps / Machinery Availability in District Hyderabad

S#	Machinery/ Equipment	Hmc (city/ Latifabad)	Wasa	Sida	Agriculture engineering	Cmo qasimabad	Cmo tando jam	District council	W&s	Provincial building	Civil defence	Total
	(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(11)	(12)	(13)	(14)
1	Diesel Engine 30 HP	-	Yes	-	-	0		0	-	-	-	-
2	Diesel Engine 16 HP	28	-	-	-	41		0	-	-	-	-
3	Petrol Engine	10	-	-	-	116	5	15	-	-	-	-
4	Mud Pump	0	-	-	-		-	-	-	-	-	-
5	Hino Dutro	22	-	-	-		-	-	-	-	-	-
6	IVECO	1	-	-	-		-	-	-	-	-	-
7	New ISUZU FTR 0Cesspool/Lorry		-	-	-		-	-	-	-	-	-
8	New China Loader		-	-	-	0	1	-	-	-	-	-
9	New Master Lorry	02	-	-	-			-	-	-	-	-
10	Messy Tractor Sweep	-	Yes	-	-	-	-	-	-	-	-	-
11	Loader Komatsu	-	-	-	-	-		-	-	-	-	-
12	Belarus/ Tractor trolies	-	-	-	-	-	1	-	-	-	-	-
13	Bobcat Loader	-	-	-	-	-		-	-	-	-	-
14	New Excavator China	-	-	-	-	-		-	-	-	-	-
15	New Shawal Loader China	-	-	-	-	-		-	-	-	-	-
16	Skip Loader	-	-	-	-	-		-	-	-	-	-
17	Tractor Blade		Yes	-	-	-	1	-	-	-	-	-
18	New ISUZU NPR Garbage Vehicle	-	-	-	-	-	-	-	-	-	-	-
19	Loader Komatsu	-	-	-	-	-	-	-	-	-	-	-
20	Old Tractor Messy	01	-	-	-	-	1	-	-	-	-	-

21	Messy Tractor Sweep	-	-	-	-	-	-	-	-	-	-	-
22	Mazda (3500)	01	-	-	-	-	-	-	-	-	-	-
23	Cesspool Larry (Bedford)	-	-	-	-	-	-	-	-	-	-	-
24	Excavator	-	Yes		7	-	-	-	-	-	-	-
25	Buldozer/Dozzer	-	Yes		2	-	-	-	-	-	-	-
26	Jack Hammer with compressor	-	Yes	-	-	-	-	-	-	-	-	-
27	Dumper Vehicle	-	Yes	-	10	-	-	-	-	-	-	-
28	Master Loader	-	Yes	-	-	-	-	-	-	-	-	-
29	Vehicles	-	Yes	-	-	-	3	-	-	-	-	-
30	Hydraulic Crane	-	Yes	-	-	-	-	-	-	-	-	-
31	Water Bouzer with Sucking pumps	01	Yes	-	-	-	-	-	-	-	-	-
32	Trailer	-	-	-	2	-	-	-	-	-	-	-
33	Water Tanker	-	-	-	06	-	01	-	-	-	-	-
34	Refusal van	-	-	-	-	-	01	-	-	-	-	-
35	Fire Brigade	05	-	-	-	-	01	-	-	-	-	-
36	Chingchi	-	-	-	-	-	03	-	-	-	-	-
37	Generator	-	-	-	-	-	03	-	-	-	-	-
38	Grader	-	-	-	-	-	-	-	-	-	-	-
39	Road Roller	-	-	-	-	-	-	-	-	-	-	-
40	Jetting Unit big	01										
41	Jetting unit	01										
42	Shahzor	01										

JAMSHORO

Taluka	De-watering Pumps/Machines	Water tankers	Tractors	Fire Tenders
Kotri	4x4 pump (01No) 3x3 Pump (02 No)	Nil	01 Massey Tractor Front end loader tractor (01 No)	1
MC Bolahari	4x4 pump (01No)	02	02	02 01 Fire Tenders is off road
TC Jamshoro	4 NOs D/W Diesel Machine & 9 NOs D/W Petrol Machine	1 No. water Boozzer with	1 No Rusi Tractor &1 No Messi	Nil

Sehwan	07 Total Working 03 Not working 4	-	-	-
TC Bhan	04 working condition	-	-	-
Manjhand	Total 02 One is working Dewatering petrol 3 not working	-	-	-

MATIARI

AVAILABILITY OF MACHINERY / EQUIPMENT

02 De-watering Machines and (14) watering machine fans are available in Deputy Commissioner Office Matiari

Machinery / equipment at taluka / tmas

	Municipal Committee Hala	Town Committee Matiari	Town Committee Khyber	Town Committee Oderolal Station	Town Committee Bhitshah	Town Committee Hala Old	Town Committee Saeedabad
Water Tanker	03	-	-	-	01	-	-
Loaders	02 Loaders With 01 dozer	01 Loader 01 Master garbage	-	-	-	-	01
Refuse Van	01	-	-	-	-	-	-
Tractor Trolley	-	01 Tractor 01 Trolley 01 tractor	-	-	01	-	01
Shahzor Pickup	-	-	-	-	-	-	01
De-watering machine	11 Machines 12 Water Pumps	01	04	09	02	03	01

TANDO ALLAHYAR

S #	Taluka	Description	Quantity	Avaiambe With Authority	Remarks
1	Tando Allahyar	Petrol Engine 4" radius	06	MC Tando Allahyar	All Disposal Stations and water supply infrastructure has been handed over to PHED in complaine of orders of Water Commission. PHED Administration must visit all water schemes and disposals stations and make sure perfectness of infrastructure and no unpredicted situation may appear during monsoon season 2024
		Motor at Main Disposal Main Khad (standy)	05		
		Motor at MNA Scheme (standy)	02		
		Motor at Deh Naheki (standy)	02		
		Motor at Soomra Colony Disposal (standy)	02		
		Motor at Mirwah Disposal (standy)	02		
		Motor at Pir Colony Disposal (standy)	01		
		Motor at Bheel Colony Disposal (standy)	02		
		Motor at Main Road Disposal Station (standy)	02		
		Lift Machine Chamber Road	01		
		Motor at Zardari Colony Disposal (standy)	03		
		Motor at Naseer Canal Water Supply Scheme (standy)	04		
		Motor at Mirwah Road Water Supply Scheme(standy)	02		
		Intalled Motor at Disposal Scheme No. 01 Noor Shah Graveyard Moter 30 HP & Motor 15 HP Generator Available	02	TC Nasarpur	
		Intalled Motor at Disposal Scheme No. 02 Oderolal Bus STop Motor 20 HP Generator Available	01		
		De-Watering Pumps	02		
		Tanker	01		
		Fire Brigade	01		
		Tractor Trolley	01		
De-Watering Machine 3" dia with equipments	01	TC Sultanabad	Functional		
2	Jhando Mari	Diesal Engine De-Watering Machines 8" dia	01	TC Piyaro Lund	
		De Watering Machine 6" dia with all equipment	01		
		De Watering Machine 4" dia with all equipment	03		
		De Watering Machine 3" dia with all equipment	03		
		Water Tank	01		
		Fire Brigade	01		
		Refuse Van	01		
		Tractor Trolley	01		
		Hydraulic Tractor	01		
		Rickshaw Container	02		
3	Chambar	Diesel Engine 20 HP	01		Functional

	Tractor with Trolley	01	Town Committee Chambar	
	Stand by Generator 25kv	01		
	Petrol Engine 3x3	04		
	Fumigation Machine	01		
	Garbade Lifting Van	01		
	Fire Tender	01		
	Petrol Engine 3x3	04	TC Sanjarchang	Fuctional
	Rakshaw Loader	02		
	Diesel Engine 20HP	01		
	Fumigation Machine	01		
	Fumigation Machine	32	District Council	
	Pump 4"x4" petrol Engine	26		
	Diesel Engine 30 HP 6"X6" Pump	26		
	Pump 3"*3" Petrol Engine	02		
	Pump 4"*4" Petrol Engine	25		
	Diesel Engine 30 HP 6"X6" Pump	04		
	Pump 12"X12" Diesel Engine	10		

TANDO MUHAMMAD KHAN

Name of Machinery	Quantity
Diesel Engine 25 HP	02
Diesel Engine 20 HP	02
Diesel Engine 16 HP	03
Diesel Engine 7 HP	05
Petrol Engine 3 HP	05

THATTA

Resource available at Taluka level (de watering pumps, fire tender's shelters)

Taluka Municipal Administrations:

TMA	Dewatering pumps	Water Tankers	Raksha With Trolley	Tractors	Fire tenders	Trucks	Sprayers
Thatta	8	2	8	4 with 2 trolleys	1	1	1
Ghorabari	4	-	-	2	1	-	-
MP Sakro	12	-	-	4	1	1	2

(MACHINERY AND VEHICLES, PUBLIC/PRIVATE)

Resources required in practical terms: Resource available at Taluka level (de watering pumps, fire tenders, shelters)

Sr.	Type of Vehicle/ machine	Public/ Private	Owner Name	Owner Contact Number (S)	Postal Address
1	Wooden Boat	Private	Ahsan Mirbahar	0303-3220742	P.O Baghan
2	Wooden Boat (2 Nos)	Private	AbanRoonjho	0321-3184898	P.O Baghan
3	Datsun	Private	Abu Shah	0333-3722468	P.O Baghan
4	Woodan Boat	Private	Abu Katiar	0302-2404544	P.O Baghan
5	Shehzore	Private	Mayo Murghar	-	P.O Baghan
6	Datsun	Private	Master Ahmed	0306-3281313	P.O Baghan
7	Datsun	Private	Abbas Perozani	0300-8952039	P.O Baghan
8	Woodan Boat	Private	Abbas Perozani	0300-8952039	P.O Baghan
9	Tractor Trolley	Private	MisriPahnwar	0312-3065633	PO Mehar Village
10	Tractor Trolley	Private	Muhammad Yousif Khaskheli	0305-2729958	PO Mehar Village
11	Wooden Boat	Private	Ghulam Qadir Parheri	0306-3006197	Village MuradParheri
12	Tractor Trolley Trucks Datsun	Private Private	Haji Amir Ahmed Bukero	0308-2279866	PO KAR Shah
13	Wooden Boat	Private	Abdullah Parheri	0312-3788513	Village MuradParheri
14	Tractor Trolley	Private	Muhammad Umer Bhatti	-	Village KAR Shah
15	Wooden Boat	Private	Moor MohdParheri	0315-3682890	Village MuradParheri
16	Wooden Boat	Private	Bachayo Parheri	0313-3857159	Village MuradParheri
17	Tractor Trolley	Private	Mohd Hassan Hingorjo	0300-3491271	PO KAR Shah
18	Datsun, Tractor, Trolley, Mazda	Private	Natho Ketai	0312-3079546	PO KAR Shah
19	Shehzore, Tractor, Trolley	Private	Molvi Abdul Karim Shoro	0303-3037188	PO Mehar Village
20	Shehzore, Tractor, Trolley	Private	Chattan Shah	0312-3064336	PO Mehar Village
21	Shehzore, Tractor, Trolley	Private	Nazir Ahmed Kehar	0313-3369225	PO Mehar Village
22	Tractor Trolley	Private	Molvi Muhammad Rahim Chandio	0300-2310691	PO Var Village
23	Tractor Trolley	Private	Rais Muhammad Khan Chandio	0300-3024180	PO Var Village
24	Tractor Trolley	Private	Ali Muhammad Jokhio	0300-3582939	PO Var Village
25	Datsun	Private	Shahid Memon	0302-2097102	PO Joho
26	Tractor Trolley	Private	Haji HashimJat	0336-3573761	PO Garoh Town
27	Shehzore, Tractor	Private	Ghulam Qadir	0300-8942115	PO Var Village

	Trolley		Shaikh		
28	Tractor Trolley	Private	Juman Badin Poto	0306-3346690	PO Var Village
29	Tractor Trolley	Private	Nazar Muhammad DAho	0303-3071131	PO KAR Shah Village
30	Tractor Trolley	Private	Haroon Khushk	0302-2742215	PO Var Village
31	Tractor Trolley, Datsun	Private	MohdAslamKh ushk	0301-2540185	PO Var Village
32	Tractor Trolley	Private	Sahib Dino Umrani	0312-2673098	PO Mehar Village
33	Tractor Trolley	Private	Haji Haroon Doki	03132497476	PO Mehar Village
34	Tractor Trolley, Datsun	Private	Abdul KarimOtho	0300-354053	PO Mehar Village
35	Tractor Trolley	Private	Ismai Soomro	0333-2565650	PO Mehar Village
36	Tractor Trolley	Private	Gul Muhammad Rind	0331-2448117	PO Mehar Village
37	Tractor Trolley, Datsun	Private	Haji Shah	0306-2561057	PO Mehar Village
38	Tractor Trolley, Datsun	Private	Iqbal Punjabi	0312-2956192	PO Mehar Village
39	Tractor Trolley	Private	Molvi Khalil Ahmed Baran	0306-2911720	PO Mehar Village
40	Tractor Trolley	Private	BabanMakrani	0333-2571248	PO Udassi Village
41	Tractor Trolley	Private	Asghar Punjabi	0300-7276120	PO Udassi Village

SUJAWAL

Availability of Boats

TALUKA SUJAWAL		
S #	Name of Owner	No. Of Small Boats/ Horaa's
1	Ramzan Parai	2
2	Ismail Parai	2
3	Jumoon Parai	1
4	Qadoo Parai	1
5	Ghulam Hussain Parai	1
6	Wadero Alam Parai	1
7	Wahid Dino Parai	1
8	Kandero Parai	1
9	Wasayo Parai	1
10	Wadero Mehar Parai	1



11	Umer Parai	2
12	Ramoon Parai	1
13	Achar Parai	1
14	Ahmed Parai	1
15	Mamoon Parai	1
Sub-total Sujawal		18
TALUKA JATI		
1	Ayoob S/o Oad Thaimore	1
2	Abdullah S/o Gul Muhammad Thahimore	1
3	Abdul Ghani S/o Haji Waryo Thaimore	1
4	Qadir S/o Muhammad Qasim Thaimore	1
5	Haji S/o Shafi Thaimore	1
6	Ramzan S/o Bhinyadino Thaimore	1
7	Khan Muhammad S/o Yaqoub Thaimore	1
8	Muhammad Rafique S/o Hassan Thaimore	1
9	Muhammad S/o Haji Lalo Thaimore	1
10	Noor Muhammad S/o Peero Thahmore	1
11	Azim S/o Hassan Thahmore	1
12	Akhtar S/o Allah Rakhio Thahmore	1
13	Ishaque S/o Shadi Thahmore	1
14	Ismail S/o Shadi Thahmore	1
15	Hussain S/o Gul Muhammad Thahmore	1
16	Nawaz S/o Hashim Thahmore	1
17	Hassan S/o Qasim Thahmore	1
18	Ghulam S/o Sodho Thahmore	1
19	Hassan S/o Haroon Thahmore	1

20	Ramzan S/o Ahmed Thahmore	1
21	Soomar S/o Jumoon Thahmore	1
22	Jumoon S/o Umer Thahmore	1
23	Achar S/o Khamiso Thahmore	1
24	Nooro S/o Khamiso Thahmore	1
25	Hussain S/o Adam Thahmore	1
26	Haji S/o Yousif Thahmore	1
27	Ayoub S/o Meero Thahmore	1
28	Ramzan S/o Meero Thahmore	1
29	Suleman S/o Ahmed Thahmore	1
30	Abdul Razaque S/o Allah Dino Thahmore	1
31	Ismail S/o Ahmed Thahmore	1
32	Nawaz S/o Hashim Thahmore	1
33	Abdul Shakoor S/o Hashim Thahmore	1
34	Saleh S/o Jurio Thahmore	1
35	Allah Bachayo S/o Kairoo Thahmore	1
36	Abdul Ghani S/o Muhammad Amin Thahmore	1
37	Mir Muhammad S/o Shafi Thahmore	1
38	Lanoo S/o Gul muhammad Thahmore	1
39	Moosa S/o Haji Waryo Thahmore	1
40	Shabir Ahmed S/o Basrio Thahmore	1
41	Ishaque S/o Wali Muhammad Thahmore	1
42	Siddique S/o Muhammad Thahmore	1
43	Janoo S/o Hussain Thahmore	1

44	Amoon S/o Bhugio Thahmore	1
45	Hashim S/o Ahmed Thahmore	1
46	Abdul Sattar S/o Soomar Thahmore	1
47	Nawaz S/o Karimdino Thahmore	1
48	Mir Umer S/o Ramzan Thahmore	1
49	Muhammad Ali S/o Ayoub Thahmore	1
50	Siddique S/o Ibrahim Thahmore	1
51	Ilyas S/o Jaro Thahmore	1
52	Ali S/o Jhoki Thahmore	1
53	Hussain S/o Bachal Thahmore	1
54	Ali S/o Bachal Thahmore	1
55	Allah Rakhio S/o Yousif Thahmore	1
56	Aboo S/o Yousif Thahmore	1
57	Faizoo S/o Ishaque Thahmore	1
58	Juman S/o Abdullah	1
Sub-total Jati		58
TALUKA KHAROCHAN		
59	Haji Muhammad Katiar	2
60	Haji Jani Katiar	4
61	Ali Ahmed Katiar	1
62	Ishaque Solangi	1
63	Ahsan Mallah	2
64	Haji Ismail Katiar	2
65	Ahmed Khan Jat	2
Sub-total Kharochan		14
TALUKA HAHBUNDER		
1	Muhammad Ibrahim S/o Karim Jat	1
2	Ismail S/o Jumoon Mallah	1
3	Allah Bachayo S/o Merai Mallah	1

4	Ali Muhammad S/o Umar Mallah	1
5	Arab S/o Ali Muhammad Mallah	1
6	Haji Saloo S/o Juroo Samghan	1
7	Haji S/o Siddique Samghan	1
8	Haji Raboo S/o Haji Saloo Samghan	1
9	Guloo S/o Juroo Samghan	1
10	Merai S/o Saleh Muhammad	1
11	Haji Yousif S/o Haji Ali Muhammad Jat	1
12	Nakho Siddique Jat	1
	Sub-total Shahbunder	12
	Grand Total District	102

Items	Taluka Mirpur Bathoro	Taluka Sujawal	Taluka Shah Bunder & Kharochan	Taluka Jati	Total
Pumping Machines	05	05	04	03	17
Diesel Engine Machines	02	01	04	01	08
Tractors with Trolley	01	01	01	01	04
Tractor with Dozer Blade	01	01	01	01	04
Fire Brigade	01 non functional	01 non functional	01 non functional	01 functional	04
Tractor Diesel Engine	01	01	01	01	04
Generators	01	01	01	01	04

## NAUSHAHRO FEROZE

S#	Name of council	No. of Fire Brigades	No. of Tractor Trolleys	Water Pumping Machines	No. of Refusal Van	Water	No. of	No. of Carry
1	MC Moro	2	04 Tractor- 03 Trolley	04 Moveable, 12 Fixed = Total 16	1	1	6	50
2	TC N.Feroze	2	01 Tractor- 01 Trolley	04 Moveable, 03 Fixed= Total 07	1	1	-	-
3	TC D.K Mari	-	01 Tractor- 01 Trolley	01 Moveable = Total 01	-	-	-	-
4	TC Padidan	1	-	02 Moveable, 03 Fixed =Total 05	-	-	-	-
5	TC Mithiani	-	-	03 Moveable =Total 03	-	-	3	-
6	TC Bhiria City	1	01 Tractor- 01 Trolley	02 Moveable = Total 02	-	-	-	-
7	TC Tharushah	-	01 Tractor- 01 Trolley	04 Moveable, 04 Fixed =Total 08	1	-	-	-
8	TC Bhiria Road	1	01 Tractor- 01 Trolley	02 Moveable, 03 Fixed = Total 05	-	-	-	-
9	TC Kandiaro	2	04 Tractor 03 Trolley	07 Moveable, 08 Fixed =Total 15	1	1	2	-
10	TC Halani	-	01 Tractor 01 Trolley	01 Moveable = Total 01	-	-	-	-
11	TC Mehrabpur	1	01 Tractor 01 Trolley	02 Moveable, 06 Fixed = Total 08	1	-	1	-
	Total	10	15 Tractor 13 Trollies	32 Moveable, 39 Fixed = Total 71	5	3	12	50

## Transport

## Bulldozers

05 Bulldozers available with office of Assistant Agriculture Engineer Sub-Division Moro of which 03 Bulldozers are working.

## SHAHEED BENAZIRABAD

a. Machinery and Equipment

Bulldozers available with Office of Assistant Agriculture Engineer, Sub-Division Shaheed Benazirabad

S#	Bulldozer No.	Name of Operator	Name of Zamindar	Location			Present Status
				Deh	Taluka	District	
1	ST 13-07 Shantui	Shamsudin	Shahbaz Dino	Toorioon	Saleh Pat	Sukkur	Idle for Fuel injection Pump defect
2	ST 16-21 Shantui	Sadique Ali	Mohammad Azam	MashakhOdho	Jam Nawaz Ali	Sanghar	Idle for truck chain roller teeth bush defect
3	ST 13-17-40	Luqman	Munawar Ali	Rind	KotDiji	Khairpur	Idle for generator defect & battery
4	ST 13-17-41	Naimatullah	Shan	Rahwari	Sinjhero	Sanghar	Working
5	ST 13-18/64	Altaf Hussain	Sallahuddin	16-Dad	Nawabshah	SBA	Working
6	ST 13-18-65	Mohammad Saleem	Fahmeeda	29 Dad	Daur	SBA	Working
7	KM-17/49	Muhammad Illyas	Under repair @ Workshop Nawabshah Idle for general Over haling repair V /W. Order No 01-Dated 15-12-2017				
8	KM-17/51	Under repair W/Shop Nawabshah Idle for Final Drive defect Vide W /order No 04 dated 24-11-2013					
9	KM-17/52	Luqman	Under repair W/Shop Nawabshah Idle for Engine Block Burst Defect Vide W /order No: 09 dated 24-07-2014				
10	KM-17/53	-	Under repair W/Shop Nawabshah Idle for gear box defect Vide W /order No 06 dated 25-11-2013				
11	KM-17/54	Under repair @ Workshop Nawabshah Idle for general Over haling repair V /W. Order No 04-Dated 05-12-2017					
12	KM-17/55	Under repair. Main work shop Khairpur V/ W O /No 88 Dated 3-9-2001 Idle for Engine and Chassis Defect.					
13	D 95- B NH -31	Guhram Jatoi	Vide Work Order No: 01 Dated 01-01-2020 Idle for Engine and Chassis repair at Assistant Agricultural Engineering Workshop Nawabshah District Shaheed Benazirabad.				

14	D 95- B NH 32	Altaf Hussain	Under repair W/Shop Nawabshah Idle for Truck chain with sprocket wheel defect Vide W /order No: 03 dated 16-10-2018
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a. Dewatering of Stagnant Water

For the dewatering of stagnant water, the District Govt. immediately purchased 11 Dewatering Pumps using own resources.

Available Dewatering Pumps (All Sources)

S#	Location	District Government (Defunct)	M.C / Town Committee	PDMA
1	Nawabshah	30 (Pumps Diesel)	15 Functional	06 (30 HP Diesel)
		05 (Electric)	12 Non-Functional	02 (05 HP Petrol)
2	Daur	00	09	0
3	Sakrand	00	09	0
4	Kazi Ahmed	00	12	0
		00		0
	Total	35	57	08

Sr.No.	Name of Department	No of vehicles
1	Local Govt. Department	04 (2 Jeeps and 2 Cars)
2	W and S Department	04 (3 Jeeps and 1 Car)
3	Revenue Department	6 Jeeps
4	Agriculture Department	02 (1 Jeep and 1 Car)
5	Forests	01 double cabin
6	Health Department	05 Vehicles
7	Education Department	06 (04 Jeeps and 02 Cars)

SANGHAR  
Available Resources

De-watering pumps	23	available with MCs/TCs
De-watering pumps	14	available at warehouse Sanghar
Total	37	

S#	Taluka	Item	Availability
1	Sanghar	De-Watering pump (diesel)	06
		Dewatering Pump Fixed on Tractor	02
		Disposal (Electric machines)	07
		Tractors	02
		Trolleys	02
		Fire Brigade	02
		Fumigation Machine	02

		Refusal van	01
2	Shahdadpur	Dewatering pumps (Petrol)	10
		Dewatering pumps (Diesel)	10
		Fire Brigade	02
		Tractors	04
		Trolleys	02
		Water Bouzer	01
3	Khipro	Dewatering pumps (Diesel)	11
		Dewatering pumps (Electric)	10
		Tractors	02
		Trolley	01
		Refusal Van	01
		Fire Brigade	01
4	Sinjhorro	Dewatering pumps (Diesel)	04
		Disposal (Electric machines)	02
		Mono Block	06
		Tractors	02
		Trolley	01
		Refusal Van	01
5	Tandoadam	Dewatering pumps (Diesel)	08
		Dewatering pumps (Electric)	10
		Pump (Petrol)	05
		Tractors	03
		Trolley	02
		Refusal Van	01
		Fire Brigade	02
		Generator	02
6	Jam Nawaz Ali	Diesel Engine	05
		Petrol Engine	03
		Eclectic Machine	05
		Tractor	03
		Trolley	01
		Refusal Van	01

### GHOTKI

#### Availability of Vehicle

S#	Name of Department	No of vehicles
1	Revenue Department	4 Jeeps
2	Local Govt. Department	07 Cultus, 3 Jeeps & 01 Motorcycle)
3	W & S Department	3 Jeeps & 1 Car
4	Agriculture Department	1 Jeeps
5	Health Department	03 Cultus, 01 Single Cabin, 01 Hiace Samurai 01 and 02 Jeep



6	Education Department	01 Cultus Car
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Mobile Machinery

1. Diesel Engine 12 Horse Power.
2. Electric Motor 10 Horse Power.
3. Electric Motor 2 Horse Power.
4. Rooter 1 Horse Power.

Taluka	No. of Boats	Name of Boat owners
Ghotki	10	1. Haque Nawaz s/o Muhammad Chhutul Chacher
		2. Abid Hussain s/o Abdul Karim Chacher
		3. Shaukat Ali s/o Hakim Chacher
		4. Ali Sher s/o Qadir Bux Chacher
		5. Ali Sher s/o Wazir Mirbahar
		6. Ghulam Nabi s/o Minhoon Mirbahar.
		7. Shahmeer S/o Ghulam Nabi Mirani
		8. Wahid Bux s/o Karim Bux Mirbahar
		9. Ghulam Rasool s/o Minhoon Mirbahar.
		10. Nawab s/o Waryam Mirbahar
		11. Ghulam Farid s/o Allah Wadhayo Mirbahar
Ubauro	03	1. Ghulam Hussain s/o Sultan Machhi
		2. Muhammad Hussain s/o Sher Muhammad
		3. Muhammad Usman s/o Wahid Bux Machhi

Note: Out of (10) Boats in Taluka Ghotki (04) shown at Sr. No. 1 to 4 are Motor Boats, while all (03) Boats in Taluka Ubauro are Motor Boats.

Municipal Committee Mirpur Mathelo

- De-Watering Pumps 04
- Electric Motors 04
- Diesel Motor Engine 02
- Diesel (Mobile Engine) 02
- Water Pump Fan 01
- Mazda 01
- Loader Tractor 01
- Tractor Trolley 01
- Fire Brigade 01
- Chief Sanitary Inspector 01
- Cultus Car 02
- Motorcycle 03
- Sanitary Inspector 01

- Sanitary Jamandar 02
- Sanitary Workers 72

Municipal Committee Ghotki

- De-Watering Pumps 06
- Fire Brigades 02
- Generators 02
- Tractor Loader 02
- Tractor Trolley 01
- Tractors 01
- Diesel (Mobile Engine) 03
- Loader Tractor 01
- Mazda 01
- Cultus Car 02
- Sanitation officer 01
- Sanitary Inspector 08
- Sanitary Worker (Contr) 112
- Sanitary Workers 32

Town Committee Daharki

- De-Watering Pumps 09
- Lifter Vehicle 01
- Tractor Loader 01
- Fire Brigade 01
- Diesel (Mobile Engine) 03
- Cultus Car 01
- Diesel Motor Engine 09

Town Committee Ubauro

- De-Watering Pumps 05
- Lifter Vehicle 01
- Fire Brigade 01
- Tractor Trolley 01
- Tractor Loader 01
- Diesel (Mobile Engine) 01
- Dumber 01
- Cultus Car 01
- Motorcycle 01

**Town Committee Khangarh**

- De-Watering Pumps 02
- Electric Motors 10
- Diesel (Mobile Engine) 02
- Water Pump Fan 02
- Mazda 01
- Tractor Loader 01
- Tractor Trolley 01
- Fire Brigade 01

**KHAIRPUR**

S#	Name of MC / TC	Dumper	Excavator	Bulldozer	Loader	Cranes	Carriage van	Fire brigade	Water bowser	Water tanker	Heavy generator	Vehicle for	De-watering Machine	Sucker Machine	Chingchi	Tractor / Trolley
1	Khairpur	6	1	0	9	1	1	6	0	0	0	4	0	2	33	7
2	Kingri	0	0	0	0	0	0	2	0	1	0	1	1	0	2	0
3	Gambat	1	0	0	0	0	0	3	0	1	0	0	0	1	14	2
4	Sobhodero	0	0	0	0	0	0	1	2	2	0	3	2	0	3	4
5	Kotdiji	1	0	0	0	0	0	1	0	0	0	1	0	0	4	1
6	Nara	0	0	0	1	0	0	2	0	0	0	2	0	0	2	5
7	Mirwah	0	0	0	0	0	0	1	0	0	0	1	0	0	2	2
8	Faiz Ganj	1	0	0	0	0	0	1	0	1	0	1	0	0	0	1
	<b>TOTAL</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>17</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>13</b>	<b>3</b>	<b>3</b>	<b>60</b>	<b>22</b>

**SUKKUR**

S#	Department	Resources	Quality/Quantity	Status
1	Sukkur Municipal Corporation	Manpower	1749	Functional
		Fire Brigade	10	Functional
		Excavator	01	Functional
		Loader	04	Functional
		Tractor	09	Functional
		Trolley	09	Functional
		Sucker Machine	02	Functional
2	Municipal Committee Rohri	Messy Tractor Trolley	01	Running Position
		Bekarus Tractor with Blade	01	Running Position

		Hino Sanitation	01	Running Position
		ChingchiRukhshaw	02	Running Position
		Bike Rukhshaw	01	Running Position
		Suzuki Sanitation	01	Running Position
		Steel Loader	02	Running Position
		Loader 385	02	Running Position
		Excavator (Black Loader)	01	Running Position
		Messy Tractor Trolley 240	04	Running Position
		Fire Brigade	01	Running Position
		Water Baoser	01	Running Position
3	Town Committee Pano Akil	Tractors	04	On Road
		Trolleys	02	02 on road /01 off road
		De-Watering Pumps	01	Functional
		Fire Brigade	03	02 on road / 01 off road
		Electric Mazda	01	On road
		Loader	01	On road
4	Town Committee Bagarji	Tractor Trolley	01	Running Position
		De-Watering Machine	02	01 Running Position / 01 Non Working
		Spray Machine Plastic	02	Running Position
		Spray Machine Oil	01	Running Position
5	Town Committee Kandhra	Tractor	01	On road
		Trolleys	01	On road
		De-Watering Pumps / Diesel Engine (already working)	01	Working Condition
		Motor Cycle	01	On road
		Chungchi Rukhsh	02	On road
		Spray Machine (Small Size)	01	Working Condition
		Water Tank	01	On road
6	Town Committee Salehpat	Fire Brigades	02	01 Working / 01 NonWorking
		Tractors/Loader	03	On Road
		Trolleys	02	On Road
		De-Watering	02	Working condition

		Pumps/ Diesel Engine		
		Pick Up Vans	01	On Road
		Fumigation Machine for Mosquito Spray	01	Functional
		Chungchi Rukhsha	01	On Road
7	Works & Services Department	Vehicles	05	
		Earth Levelers	01	Functional
8	Irrigation Department	Valvo Hydraulic	10	Functional
		Excavator	05	Functional
		Samsung Hydraulic	06	Functional
		Dozer	01	Functional
		Dredger	01	Functional
		Tailor	01	Functional
		Oil Tander	01	Functional

JACOBABAD

Details of vehicles and dewatering pumps at public health division Jacobabad

S#	Description of Machine & Equipment	Qty No.	Strength/Capacity
1	4x4 vehicles	04	1000/800 cc
2	Dewatering Pumps	03	2"x2.5"
3	Human Resources PHE		185 Employees

KASHMORE  
AVAILABLE RESOURCES

S#	Machinery Equipments / Relief Material	No. Of Quantity
1	Tractors	11 (M.C/TMAs)
2	Trolley	03 (M.C/TMAs)
3	Loader Tractor	01 (M.C Kandhkot)
4	Tractor (With front Dozer)	02 (M.C/TMAs)
5	Refuse Carrier Van	02 (M.C/TMAs)
6	Fire Brigade Lorry	04 (M.C/TMAs)
7	Bulldozers / Dozer	06 (Agriculture Workshop)
8	Road Roller	04 (Kandhkot/Kashmore)
9	Dewatering Pumps	15 (D.C office / M.C/TMA's)

10	Sucking Machine	01 (M.C Kandhkot)
12	Fiber Motor Boat (Received from PDMA)	01

**LARKANA**  
Details of Machinery by Highway Division Larkana

S#	Material	Nos
1	Motor Grader	01
2	Water Tank	02
3	Road Roller	10

Details of Machinery by PHE Department

S#	Material	Nos.	RFT
01	Diesel Oil Engine 12 BHP	20	-
02	De-Watering Pump (Single Phase)	20	-
03	SuctionPipe / Hose Pipe	-	400
04	Delivery Pipe	-	2000
05	Foot Valve	20	-
06	SluceValve	20	
07	Bend	20	
08	Clamps	40	

Details of Machinery by Town Committee Ratodero

S#	Material	Nos
01	Tractor alongwith Trolleys	04
02	Dozer	01
03	Issuzue Truck	01
04	Mazda	01
05	Qingquies	03
06	Dewatering Machines	03
07	Sanitationj staff with Sanitation Material	

Details of Machinery by Town Committee Naudero

S#	Material	Nos
1	Fire Bridage Lorry	01
2	Dewatering Motors	02
3	Tractor Trollys	05
4	Tractor Dozer	01
5	Dumper Truck	01

Details of Machinery by Town Committee Dokri

Sr. No.	Material	Nos.
01	Tractor with Trolley	01

02	Loader	04
03	Refuse Van	01
04	Diesel Machine	01
05	Petrol Machine	01

Details of Machinery by Town Committee Badah

S#	Material	Nos
01	Dewatering Machines	02
02	Tractor with Trolley	02
03	Fire Brigade	01
04	Qingqi	04

Details of Machinery by Town Committee Arija

S#	Material	Nos
01	Dewatering Machine	03
02	Tractor with Trolley	02
03	Refuse van	01

Details of Machinery by Town Committee Garello

S#	Material	Nos
01	Dewatering Machine	02
02	Tractor with Trolley	02
03	Dozer	01

Details of Machinery by Agriculture Extension, Larkano

S#	Material	Nos
01	One Unit Single CabineToyota Hilus	01
02	Tractor Mounted Sprayers	02
03	VehicleMounted Sprayers	06
04	Solo Power Sprayers	46
05	Chargeable Sprayers	202
06	Mist Blowers	20
07	Pesticide	740 liters

**KAMBER SHAHDADKOT**  
Civil Defense – its Strength, Capacity, and resource

Taluka	No. of Ambulances		No. of Fire Brigades		
	Total	On Road	Total	On Road	Off Road
Kamber	4	4	2	2	0
Shahdadkot	2	2	3	2	1
Mirokhan	1	1	1	1	0
Qubo Saeed Khan	1	1	1	1	0
Sijawal Junejo	0	0	1	1	0
Warah	2	2	1	1	0
Nasirabad	1	1	1	1	0
<b>Grand Total</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>9</b>	<b>1</b>

**RESCUE -1122**

Taluka	No. of Ambulances	
	Total	On Road
Kamber	1	1
Shahdadkot	2	2
Mirokhan/jawal Junejo	1	1
Qubo Saeed Khan	1	1
<b>Grand Total</b>	<b>05</b>	<b>05</b>

State of relief stocks, heavy machinery, dewatering pumps available in District (TMAs & MCs)

Taluka/UC/TC	Petrol Generators	Bulldozers / Dozer	Refuse Van	Water Bowser (Tanks)	De- Watering Machines	Fire Engine / Tender	Tractors Trolleys	Front Loader
Kamber	2	0	1	3	7	2	4	1
Shahdadkot	4	2	1	1	6	3	6	2
Nasirabad	3	1	1	1	3	1	1	1



Qubo Saeed Khan	2	1	1	1	2	1	2	1
Mirokhan	0	1	1	0	2	1	2	1
Sijawal Junejo	0	1	1	1	1	1	1	0
Warah	2	0	1	2	3	1	3	1
Behram	0	0	0	0	0	0	0	0
Wagan	0	0	0	0	2	0	0	0
Gaji Khuhawar	0	0	0	0	0	0	0	0
Total	13	6	7	9	26	10	19	7

S#	City/Town	Total No. of Disposals	No. of Functional Disposals	No. of Non-Functional Disposals	No. of Generators Available
01.	Kamber	18	18	-	05 Generators (100 KVA)
02.	Shahdadkot	09	09	-	02 Generators (100 KVA)
03.	Warah	02	02	-	-
04.	Nasirabad	03	03	-	-
05.	Mirokhan	02	02	-	-
06.	Sijawal Junejo	01	01	-	-
07.	Qubo Saeed Khan	03	03	-	-
08.	Waggan	01	01	-	-
09.	Arzi Bhutto	01	01	-	-

### SHIKARPUR

Machineries are available at Municipal/ Town Committees

Name of Vehicle	Quantity
Fire Lorries	03
Sucker Machines	01
Side Loaders	05
Chill Mazda	02
Small Dozers	02
Tractors	05
Heavy Dozer	01

Loader Rickshaw	05
Hydraulic Rickshaw	01
Ravi Suzuki	01
Diesel engine	01
Dewatering Pumps	04

Machineries are available at Town Committees

Name of Town Committee	Dewatering	Mazda	Qingqi	Fire brigade	Jeep	Loader rickshaw	Dozers	Tractors
Madeji	3	-	-	-	1	-	1	3
Rustam	1	-	-	-	-	2	-	-
G.Yasin	2	1	1	1	-	-	-	2
Chak	-	-	-	-	-	2	-	-
Khanpur	2	1	-	1	-	-	1	2
Lakhi	-	1	-	1	-	1	1	1

Bulldozers are available in Agriculture Engineering (F) Shikarpur

Bulldozers in working	Troller	Bulldozers out of order
4	01	01

### MIRPURKHAS

Following stock of heavy machinery is available in Distrcit Mirpurkhas

Town Committee Digri:

Router 4 Inch Diameter (Petrol)	05
Router 3-inch Diameter (Petrol)	05
Router 2 Inch Diamter (Electric)	02
Dewatering Machine 5 Inch Diameter (Diesel)	01
Dewatering Machine 6 Inch Diameter (Diesel)	04
Tractor Dewatering Fan 8 Inch	01
Arranged Water Bowser	02
T.C Own Water Bowser	01
Fire Brigade Vehicles	02
Garbage Disposal Van	01
Garbage Collection Chinghchi (Rikshaw)	02
Tractors	03

Tractor Loader	01
Fumigation Machines	01

TOWN COMMITTEE TANDO JAN MUHAMMAD

Router 3-inch Diameter (Petrol)	03
Router 2 Inch Diamter (Electric)	02
Dewatering Machine 16 HP (Diesel)	03
Water Tanker (Bowser)	02
Fire Brigade Vehicles	01
Garbage Disposal (Rikshaw)	01
Tractors	02
Fumigation Machines	01

Town Committee Jhuddo:  
Details of Vehicles:

Fire Brigade Van (Master)	01 Functional
Tractor / Bulldozer 4x4 years	01 T.C Naukot custody since 5
Refuse Van (Master)	01 Functional
Potohar Jeep (GL-2111) yrs	01 T.C Naukot custody since 5
Core Care (GL-0220)	01 Functional
Motor Cycle	01 Non-Functional
Tractor Trolley old Messay 240 yrs	01 T.C Naukot custody since 5
Tractor Trolley New	01 Functional

Details of Machines:

Diesel Engine for Dewatering 8" dia 16 HP (Moveable)	04
Petrol Engine 3" dia 6.5HP for Dewatering (Moveable)	04
Diesel Engine Pump 48 HP	00 Required 04 Nos.
Diesel Pump 6" dia	02 Required 04 Nos.
Router 4" dia	04 Required 04 Nos.
Fumigation Machine	02, 01 Functional / 01 Non-Functional 01 Required.

Town Committee Naukot:

Details of Available Machinery & Vehicles:

Dewatering Pumping Machine 4" dia	01 Functional
Dewatering Pumping Machine 3" dia	01 Functional
Tractor with Trolley messey 240	01 Functional
4 Wheel Tractor Loader	01 Functional

Fire Brigade	01 Functional
Chingchi Rakshaw Loader	01 Functional
Fumigation Machine	01 Functional

Town Committee Kot Ghulam Muhammad:  
Machinery:

Diesel Engine 20 HP with pump (8x8)	02 Working Condition Require 02 Nos Diesel Enginer with Sanction Pipe Complete Sets.
Petrol Router (4x4)	02 Not Working Require 04 Nos. Complete Sets
Petrol Router (3x3)	01 Working Condition Require 03 Nos. Complete Sets
Delivery Pipe	Nil Require 200 Ft. 8x8 & 4x4, 1000 Ft.
Sanction Pipe	Nil Require 01 Nos. 6x6 Complete & 02 Nos. 8x8 complete.
Fan 6x6 1" Ft. Dia	01 Working Condition Require Sanction/Delivery Pipe Complete Sets.

Vehicles:

Tractor (Russian)	02	01 Working and 01 Not Working Require 01 No.
Massy Tractor with Kachra Trolley		01 Working Condition Require 01 No.
Loader Tractor	01	Not Working, Require 01 No.
Sulage Water Tanker Hodi Tanker No.	01	Working Condition, Require 01
Water Tanker for Drinking Water Working.	03	02 Nos. Working & 01 Not
Fire Brigade (Mini) No.	01	Working Condition, Require 01
Fire Brigade (Big)	01	Not Working
Fog Machine Spray Nos.	01	Working Condition, Require 03
Refuse Van	01	Not Working, Require 02 Nos.

MACHINERY AVAILABLE WITH DISTRICT ADMINISTRATION MIRPURKHAS.

- De-watering Pump	40
- Electric Moters	17
- Tracter Trolley	16
- Fire Vehicles / Bowzer	07

- Tractor 05
- Refuse Rakshaw Chingchi 16

S#	Taluka	MC/TC	Fire Bridge vehicle	Water Tanker	Tractor Trolley	De-watering pumps	Shelters available
1	Mithi	MC Mithi	2	1	4	5	-
2		TC Chelhar	1	1	-	1	-
3	Islamkot	TC Islamkot	1	1	3	12	-
4	Diplo	TC Diplo	1	1	2	2	-
5	Chachro	TC Chachro	2	1	1	3	-
6	Dahli	TC Kheme Jo Par	1	-	1	-	-
7	Nagarparkar	TC Nagarparkar	2	2	4	3	-
8	Kaloi	-	-	-	-	-	-
	Total		10	7	15	26	-

## UMERKOT

## RELIEF AND REHABILITATION ITEMS AVAILABLE WITH DDMA

S#	ITEM'S	QTY
1	Tents	2403
2	Shelter school tents	51
3	Ration Bags	0
4	Tarpulin Sheets	8106
5	Mosquito Nets (Human)	34415
6	Mosquito Nets (Animal)	3411
7	Blankets	0
8	Jerry Cans	260
9	Sleeping sheet	760
10	Dewatering Pumps Ground Standing	59
11	Small De-watering Pumps	6
12	Transformer 100 KV	4
13	Pillows	124
14	Pillow Covers	63
15	Portable Toilet	40
16	Portable Table	8
17	Portable Washroom	3
18	Portable Chair	50
19	Plastic Chair	14
20	Folding Cupboards	42
21	Bed Side Screen	26
22	Bio-Hazard	2
23	Examine Tab	1
24	Linen Bag Trolley	1
25	Drip Stand	6
26	Dust bin 5-L	59
27	DUST bin 12-l	2
28	Gloves	5
29	Sanitizer 1L	1
30	Sanitizer 100ml	37
31	Surgical Mask	288

S.#	Taluka	Fire Brigade Vehicle	Water Tanker with MC/TC	Tractor Trolley with MC/TC	De-watering pumps with Local council	Dewatering Pumps with DDMA	Generator for office use	Motor boat available with DDMA
1.	Umerkot	04	02	09	02	46	01	0
2.	Samaro	02	01	01	02	0	01	0
3.	Kunri	02	02	03	04	0	01	0
4.	Pithoro	02	02	02	04	0	02	0
<b>Total</b>		10	07	15	12	46	05	0

## Appendix-V: Recommended Relief Camps Location by DDMA's

### Karachi Division

#### Karachi East

S#	Relief Center
1	GBSS, Block #1 Gulshan-e-Iqbal Karachi
2	Allama Iqbal Govt. Boys Secondary School Nizamani
3	Govt. Boys Secondary School Jut Line
4	Govt. Boys Secondary School Chanesar Goth
5	Govt. Technical High School Jacob Line
6	Govt. Boys Secondary School PECHS Block -6
7	Govt. Farabi Secondary School Near China Park

Recommended Relief Camps Location by DDMA's – Karachi East

#### Karachi West

S#	Relief Center	UCs
1	Govt College	Mangopir
2	Govt Degree College	
3	Muhammad Hassan School	
4	Makhoomia School, Sector 11 ½ Salimabad	Mominabad
5	Norwagan School, Sector 16, Gulistan-e-Bihar	
6	Norwagan Technical School, Sector 15, Gulistan-e-Bihar	
7	Govt.School, Touheed Colony	
8	Govt. School, Millat Colony	
9	Govt. School Sec 10-L	
10	Govt. School Sector 11-E	
11	Govt. School Sector 11-E	
12	Syed Suleman Nadvi School, Abu Zar Ghafari Colony	
13	Faran School, Sec 14-A	
14	Aziz-e-Millat School, Sector 14/C	
15	Ibrahim Ali Bhai School, Sector 14/C	
16	UCD School, Sector 11/E	
17	Govt. School Zia Colony	
18	Saeed Public School, Haryana Colony	
19	Nayyab Public School, Haryana Colony	
20	Al-Heera School, Khalid Bin Waleed Chowk	
21	Malich Chowk, Shah Waliullah Nagar	
22	Shoaib Public School, Shah Waliullah Nagar	
23	Chatti Hotel Ground	
24	Khyber Muslim School	
25	Ghosia School	
26	UC Office	



S#	Relief Center	UCs
27	KMC/DMC Govt. School	Orangi
28	Saeed Public School	
29	Nayab Public School	
30	Hasnain Public School	
31	Abdul Hamid Badayoni College, UC-12 Banaras Chowk	
32	Nishtar Girls College, UC-10, 12/L, Main Road	
33	Allah Wala College, UC-10, Sector 13	
34	T.C.F. School, UC-13, Baloch Goth	
35	Government School, UC-11, Sector 9/E	
36	Ibrahim Ali Bha School, UC-11, Sector 9/E	
37	Government Girls Degree College UC-09, Sector 7/C	
38	Makdoomia School	
39	Norwagen School	
40	Norwagen Technical School	
41	KMC Government School	
42	KMC Government School	
43	KMC/DMC Govt. School	
44	Abdul Haq Govt. School	
45	Aziz-e-Millat Govt. School	
46	Girls College 15-C	
47	Allah Wala College	
48	Syed Suleman Nadvi School	
49	Farhan School	
50	Ibrahim Ali Bhai School	
51	KMC/DMC Govt. School	
52	T.C.F School	
53	KMC/DMC Govt. School	
54	Saeed Public School	
55	Nayab Public School	
56	Hasnain Public School	
57	KMC/DMC Govt. School	
58	Ibrahim Ali Bhai School	
59	Al Hira School	
60	Shoaib Public School	

Recommended Relief Camps Location by DDMA's – Karachi West

### Karachi South

S#	Relief Center	UCs
1	GBHSS CMS	Garden
2	GBLSS Quaid	
3	GGSS G.A. Allana	
4	GBHSS NJV	

5	GPPS H. Habifa Bai	Arambagh
6	GBSS Behar Colony	Lyari
7	GBHSS Ghazi Muhammad bin Qasim	
8	GBSS Baloch	
9	GBSS Haji Abdullah Haroon	
10	GGSS Wali Muhammad Hussan Ali	
11	GGLS Genu Bai Allana	
12	GBHS Izzat Khan	
13	GBSS no.2 Lyari	
14	GBLS Kehkashan	
15	GBSS Kara Bai Karim Ji School	
16	GBSS Bazarta Line	Saddar
17	GBPS JF Pankthki Gizri	Civil Line
18	GGPS Maryam Gizri	
19	GGSS Gizri	
20	GGSS Junio Model	

Recommended Relief Camps Location by DDMA's - Karachi South

### Karachi Central

S#	Relief Center	UCs
1	Govt College For Women Buffer Zone	North Nazimabad
2	Govt. Shipower College	
3	Govt.Premier College, Block-H	
4	Children Education Center Block-H	
5	Govt. Degree Boys College Sector-7 D/2, North Karachi	
6	B.E.D College, Block-15, FB Area Karachi	North Gulberg
7	City College Moosa Colony	Nazimabad Liaquatabad
8	Govt. Boys School Waheedabad	
9	Rana Liaqat Boys & Girls Secodary School, C-1 Area	
10	Moulana Hussain Azad Boys 7 Girls Secondary School, B-1 Area	
11	Zahoor Govt Boys Secondary Near Sindhi Hotel	
12	Sirahudullah Govt College Near Apsara Apartment	

Recommended Relief Camps Location by DDMA's - Karachi Central

### Malir

S#	Relief Center
1	Mono Technical Institute Tando Nallah UC. NO 10 Ghazi Dawood Brohi
2	Union Council Office Uc NO.05 Cattle Colony
3	Sukhia Goth Primary School, UC No.12
4	Adam Hangora Government School Malir UC No.12
5	Pak Patni Government School Chaman Colony UC.NO 12
6	Degree College Sharfi Goth

Recommended Relief Camps Location by DDMA's - Malir

## Korangi

S#	Relief Center	UCs
1	UC-03 Punjab Town	Shah Faisal
2	UC-03 Main Bazar Azeempura	
3	UC-03 Green Town Near Al-Umar Masjid	
4	UC-06 Bagh-e-Korangi Sector-10	
5	Govt. Baldia School Opposite Muhammad Ground	Landhi

Recommended Relief Camps Location by DDMAAs – Korangi

## Keamari

S#	Relief Center	UCs
1	K.P.T School, Bhutta Village	UC-44, Bhutta Village
2	Govt Girl High School Sultanabad	UC-46, Sultanabad
3	Hatim Ali Alavi Govt. Boys School, Keamari	UC-43, Keamari
4	Govt Boys School, Baba Bhit	UC-41, Baba Bhit, Shamspar, Youisabad
5	Hajira Bhai Govt. School,	UC-42, Macher Colony
6	Muhammad Colony	UC-40, Mauripur
7	Govt. Boys High School Grex Village	-

Recommended Relief Camps Location by DDMAAs – Keamari

## Hyderabad Division

## Hyderabad District

S#	Relief Center	Taluka
1	Government College Kali Mori Hdyderabad	Hyderabad City
2	Government College for Boys Paretabad	
3	Government High School Sir Ghulam Hussain Hidayat-ullah Pucca Qila Hdeyderabad	
4	Government Noor Muhammad High School Hyderabad	
5	Government Girl Colleges Bakra Mandi	
6	Government City College Hyderabad	
7	Government Comprehensive Boys school Unit No.10	Latifabad
8	Government Shaheed-e-Millat School Latifabad U# 10	
9	Government Roh-e- Islam School Unit No.4 Latifabad	
10	Government Iqra High School Hali road Hyderabad	
11	Government Girl H/S G Hussainabad	
12	Syed Qutub Ali Shah Middle School Hussainabad	
13	Government P/S TMNM unit No.4 Latifabad	
14	Kohsar Degree College Latifabad	
15	Kohsar Hospital Latifabad	
16	Public School Unit No.3 Latifabad	
17	Raes Khan Muhammad School Tando Yousaf Latifabad	

S#	Relief Center	Taluka
18	Government Girls High School Qasimabad	Qasimabad
19	Government Girls High School Old Wahdat Colony Qasimabad	
20	Govt. Primary School Noor Khan Chang Village Shah Bukhari Qasimabad	
21	Govt. Primary School Ismail Chand Village Deh Mirzapur	
22	Government High school Hatri	Hyderabad
23	Government Primary school Hatri	
24	Government Primary school Talib-ul-Moula Colony	
25	Government High school Bhindo Sharif	
26	Government boys middle school Deh Abri	
27	Government Primary school village Gul Muhammad Jakhoro	
28	Government boys High school Village Moosa Khatian	
29	Relief Cmap at Village Jaro Babar Deh Boochki Tando Hyder	

Recommended Relief Camps Location by DDMA's - Hyderabad District

### Jamshoro District

S#	Relief Center	Taluka
1	Government Boys College Kotri	Kotri
2	Government Girls College Kotri	
3	Government of Boys High School Kotri	
4	Government Boys Primary School Kotri	
5	Government Boys Primary School Karo Khaho	
6	Government Boys High School LSB Jamshoro	
7	Government Middle School Jamshoro	
8	Government Boys Primary School Petaro	
9	Government Boys High School Petaro	
10	Government Boys High School Jamshoro	
11	Government Boys High School T.B Khan	Thano Bula Khan
12	Government Girls High School T.B Khan	
13	Government Girls Primary School T.B Khan	
14	Government Boys Primary School T.B Khan	
15	Government High School Unerpur	Manjhand
16	Government High School Manzoorabad	
17	Government High School Aliabad	
18	Government High School Manjhand	
19	Government High School Sann	
20	Government Primary School Sann	
21	Government Primary School Lakha	
22	Government Middle School Sann	
23	Government Middle School Amri	
24	Government Middle School Laki Shah Saddar	

25	Government Boys High School Khanoth	Sehwan
26	Government Boys Primary School Amri	
27	Government Boys Primary School Sann	
28	Government Boys Primary School Manzoorabad	
29	Government Boys Primary School Manjhand	
30	Government Boys Primary School Koreja	
31	Government (Main) Boys High School Sehwan	
32	Government (Main) Girls High School Sehwan	
33	Government (Main) Primary School Sehwan	
34	Government High School Bhan Saeedabad	
35	Government High School Bubak	
36	Government High School Arazi	
37	Government High School Talti	
38	Government Middle School Talti	
39	Government Middle School Karampur	
40	Government Middle School Jhangara	
41	Government Primary School Bubak	
42	Government Primary School Bukhtiarpur	
43	Government (Main) Boys High School Sehwan	

Recommended Relief Camps Location by DDMA's - Jamshoro District

S#	Livestock Camps	Taluka
1	Bacha Band khan Pur near locoshed Kotri	Kotri
2	Bacha Band Jamshoro near Al- Manzar	
3	Bacha Band Pataro	
4	Bacha Band Manzoorabad	
5	Bacha Band Manjhand	Manjhand
6	Sann Bacha Bund	
7	Bacha Band Sehwan Sharif at Village Karpure	Sehwan
8	Bacha band Buabak Near Manchar lake	

Recommended Livestock Camps Location by DDMA's - Jamshoro District

### Dadu District

S#	Relief Center	Taluka
1	Government degree collage Dadu	Dadu
2	Government Pilot Secondary High School dadu	
3	Government High School Gharibad Dadu	
4	Government Sindhi Main Primary School Dadu	
5	Government Urdu Main Primary School Dadu	
6	SRTC Depot Dadu near Sial Bund	
7	Agriculture Research office Dadu	
8	Government Primary school Moundar	

S#	Relief Center	Taluka	
9	Government Girls Primary School Mounder		
10	Union Council Office Moundar		
11	Government High School Aminani		
12	Goat Form Dadu		
13	Government High School Sita Village		
14	Government Primary School Sita Village		
15	Government High School Puranodero		
16	Government Primary School Puranodero		
17	Government Boys High School Mehar		Mehar
18	Government Girls High School Mehar		
19	Government intermediate collage Mehar		
20	Government Polytechnic institute Mehar		
21	Government Boys High School Radhan		
22	Government Girls High School Radhan		
23	Government Boys High School Qazi Arif		
24	Government boys Primary School Qazi Arif		
25	Government Girls Primary School Qazi Arif		
26	Government boys High School Faridabad		
27	Government boys Primary School Faridabad		
28	Government Girls Primary School Faridabad		
29	Government boys Primary School Ghari		
30	Government boys Primary School Qaim Jatoi		
31	Government boys Primary School Khuhara		
32	Government boys High School Shah Panjo		
33	Government boys Primary School Shah Panjo		
34	Government Girls Primary School Shah Panjo		
35	Government Girls Primary School Murid Lakhair		
36	Government boys High School Magsi		
37	Government boys Primary School Magsi		
38	Government Girls Primary School Magsi		
39	Government boys Primary School Aghamani		
40	Government boys Primary School peroz Shah		
41	Government boys Primary School Agra		
42	Government boys Primary School Balishah		
43	Government boys High School Thariri Mohbat		
44	Government Girls High School Thariri Mohbat		
45	Government boys Primary School Thariri Mohbat		
46	Government Girls Primary School Thariri Mohbat		
47	Government boys Primary School Khan-jo-Goth		
48	Government boys High School K.N.Shah	Khairpur Nathan Shah	
49	Government boys High School Mado		
50	Government boys High School Kakar		

S#	Relief Center	Taluka
51	Government boys Primary School Kakar	
52	Government boys Primary School Burira	
53	Government boys Primary School Bego Dero	
54	Government boys Primary School	
55	PWD Bungalow Mado	
56	Government boys High School	
57	Irrigation Bungalow Bego dero	
58	Government boys High School	
59	Government boys High School Johi	Johi
60	Government Girls High School Johi	
61	Government Main Primary School Johi	
62	Government Iqra Primary School Johi	
63	Government Girls Primary School Johi	
64	Government College Johi	
65	IRD Markz Johi	
66	Chhini Bund Johi	
67	RD-50 at F.B Bund Johi	
68	Zero Moori Johi	
69	Haji Khan Boring	
70	Qureshi Ji Boring	
71	Government High School T.J.Shaheed	
72	Government primary School Phulji	
73	Kamal Khan Mori	
74	Government Primary School Mirzo Chana	

Recommended Relief Camps Location by DDMA's - Dadu District

S#	Tent Cities
1	Village Makhdoom Bilawal Dadu
2	Village wahi Pandhi Johi
3	Village Jakhro at Khanpur KN Shah
4	Village Peroz Shah Mehar

Recommended Tent Cities Location by DDMA's - Dadu District

S#	Medical Camps	Taluka
1	Sial Bund	Dadu
2	BHU Moundar	
3	BHU Aminani	
4	BHU Jhallo	
5	Nao Goth	Mehar

S#	Medical Camps	Taluka	
6	Peroz Shah		
7	Faridabad		
8	Aghamani		
9	Murid Lakhir		
10	Ali Wal		
11	Penjaho Mori		
12	Burira		Khairpur
13	Gozo		Nathan Shah
14	Governement Collage Johi		Johi
15	Chhini Road at F. P Bund Johi		
16	Zero Mori, Manchar Lake		
17	Government Primary School Main Johi		
18	Government primary School Phulji		
19	Government High School T.J. Shaheed and Kamal Khan Mori		

Recommended Medical Camps Location by DDMA's - Jamshoro District

S#	Livestock Camps	Taluka
1	Sial Bund	Dadu
2	BHU Aminani	
3	BHU Moundar	
4	F.P Ghulam Channa	
5	F.P Purano Dero	
6	F.P Patt Sharif	
7	Sita Village	
8	Peroz Shah	Mehar
9	Lakhair	
10	Shah Panjo	
11	Dao Dero	
12	Nau Goth	
13	Bhand Mari	
14	Mureed Lakair	
15	F.P Fariadabad	
16	Shah Gorio	
17	Shah Panjo	
18	F.P Mado	
19	F.p Bugg Burira	
20	F.P Chhore Qamber	
21	Mureed Babar	
22	Sanghar	
23	Phulji Village	Johi
24	Chand Mori	



25	Radhani Mori	
26	Shah Hassan	
27	Chhini	
28	Haji Khan	
29	F.P Sevo Khan Jamali	

Recommended Livestock Camps Location by DDMAAs – Dadu District

**Matiari District**

S#	Relief Center	Taluka
1	Govt: Degree Collage Matiari	Matiari
2	Govt: High School Matiari	
3	Govt: Govt: Middle School Sahib Sama	
4	Govt P.School Bao dero	
5	Govt: High School Bao dero	
6	Govt: Middle School Sekhat	
7	Govt: Primary School Sekhat	
8	Government Girls Primary School Budho Majidano	
9	Government Primary School Kari Ketti	
10	Govt: High school Khyber	
11	Govt: Primary Iqra School Village Juma Shahook	
12	Govt: High School Hala old	Hala
13	Govt: Primary School Hala Old	
14	Govt:MG High school Hala	
15	Govt: Talib Moula High School Hala	
16	Govt High School Bhanote	
17	Govt: Primary School Bhanote	
18	Govt: High School New Saeedabad	
19	Govt: Primary School New Saeedabad	
20	Govt: High school Marri Mohd Khan	
21	Govt: Primary School Amin Lakho	
22	Govt: High School Fareed Farm Taluka Saeedabad	
23	Govt:Primary School Pir Fazul Haq Shah Ji Otaq Taluka Saeedabad	
24	Govt: Talib Moula College Taluka Saeedabad	
25	Govt: Primary School Allah Bux Balal	

Recommended Relief Camps Location by DDMAAs – Matiari District

S#	Tents Cities	Taluka
1	Nasarpur Road Opposite Election Office MATiari (Open Ground)	Matiari
2	Oderolal village road at Bismillah Housing scheme (open ground)	
3	Gulshan-e-shahbaz at Khyber (Open ground)	
4	Dargah Saleh Shah via Oderolal Station road (open ground)	
5	Malakhra Ground Bhitshah.	Hala

6	Old Malakhra Ground (near Pir Muhalla)	Saeedabad
7	Open ground in Deh Larh (Private Land)	
8	Open ground in Village Bhai Khan Suhebjo near Bund (private land)	
9	Roadside of Mehran Highway Taluka Saeedabad	

*Recommended Tent Cities Location by DDMA's – Matiari District*

### Tando Allahyar District

S#	Relief Center	Taluka
1	GBHS S.M Tando Allahyar	Tando Allahyar
2	GBHS Darul Uloom Tando Allahyar	
3	GBHS (Prov)Tando Allahyar	
4	GBHS Bukera Sharif	
5	GBHS Sultanabad	
6	GBHS Nasarpur	
7	GGHS Sultanabad	
8	GBHS Khair Muhammad Jarwar	
9	GGMS Bukera Sharif	
10	GPS New Madina Colony	
11	GGPS Main Urdu Tando Allahyar	
12	GPS Ghulam Hussain Lund	
13	GPS Mir Muhammad Hingoro	
14	GPS Fatooh Chohan	
15	GPS Haji Hashim Burfat	
16	GPS Ghulam Muhammad Dars	
17	GPS Shah Pur Rizvi	
18	GMS Kamaro Sharif	
19	GPS Zardari Colony	
20	GGMS Shah Pur Rizvi	
21	GPS Khair Muhammad Jamali	
22	GPS Saleh Samoon	
23	GPS Khokhar	
24	GPS Moke Sharif	
25	GPS Bukera Sharif	
26	GPS Bakhtawar Pitafi	
27	GPS Mujahid Colony Tando Allahyar	
28	GPS Kamaro Village	
29	GPS Shaikh Moosa	
30	BHU Ditto Kalro	
31	BHU Dhingano Bozdar	
32	Govt. Degree College Nasarpur	
33	Govt. High School Nasarpur	
34	Govt. Degree College Tando Allahyar	

S#	Relief Center	Taluka	
35	GBHSS Chamber	Chamber	
36	GBHS Sanjar Chang		
37	GBHS Bashirabad		
38	GGHS Chamber		
39	GMS Punhoo Seharo		
40	GMS Alan Khan Laghari		
41	GGPS Naseer Khan Laghari		
42	GGPS Sanjar Chang		
43	GBHS Masoo Bozdar		
44	GPS Manthar Otho		
45	GPS Dhoru Bhai Khan		
46	GPS Mir Muhammad Laghari		
47	GPS Nisarabad		
48	GPS Sachedino Pahanwer		
49	GPS Muhammad Siddique Thebo		
50	GPS Saien Dad Deshak		
51	GPS Bachal Pitafi		
52	GPS Naseer Khan Laghari		
53	GBHS Shadiyoon Walhar		
54	GBHS Pak Singar		
55	GBPS Pak Singar		
56	GPS Sher Muhammad Lund		
57	GBPS Suhrab Burfat		
58	GBPS Bahadur Daudano		
59	GGMS Bashirabad		
60	GBHS Jhando Mari		J Mari
61	Tent City at Mureed Hotel Tando Adam Mirpurkhas Road		
62	Tent City at Jamrao Band Near Jhando Mari		
63	Tent City Near Village Nizamuddin Khaskheli and Zardari Minor Band		
64	GMS Haji Abdul Karim Dars		
65	GPS Mir Munwar Talpur		
66	Tent City at Dargah Bago Shah near Bashir Khan Babar		
67	Oqaf Farm Road		
68	Tent City Sultanabad Stop		
69	GHS Muhammad Saddiq Memon		
70	GHS Missan Wadi		
71	GPS Kabar Chachar		
72	GBHS Bahar Khan Mirjat		
73	GBHS Tando Soomro		
74	GPS Allahyar Mulla Keerio		
75	GMS Usman Shah Huri		
76	Tent City Dasori		
77	GBHS Shahnawaz Muhajir		

S#	Relief Center	Taluka
78	Aslam Khan Nizamani	
79	GPS Umar Sand	
80	Tent City Mitho Khan Mirjat	
81	GPS Mirabad Old	
82	Tent City near Wanhyal Thebo	
83	Tent City near Yar Muhammad Thebo	
84	Tent City at Kot Soomar	
85	GPS Shah Baig Lund	
86	GHS Piyaro Lund	
87	Tent City Engineering Banglow	
88	Tent City Muhammad Bux Brohi near Dalpota Stop Tando Adam	
	Mirpurkhas Raod	

*Recommended Relief Camps Location by DDMA's - Tando Allahyar District*

### Tando Muhammad Khan District

S#	Relief Center
1	Maqbara Sharif Hilly tract area (Tent City)
2	Hilly tract area of Deh Pirwah near Chinny Takkar (Tent City)
3	Saeedpur Takkar Hilly Tract area U.A. No. 213 area 395-32 acres located in Deh Pakhro (Tent City)
4	Govt. Boys Degree College, Tando Muhammad Khan
5	Govt. Girls Science College, Tando Muhammad Khan
6	Govt. Mono Technical College, Tando Muhammad Khan
7	Govt. Girls High School, Tando Muhammad Khan.
8	Govt. Girls (P) High School Tando Muhammad Khan
9	Govt. Boys High School, Tando Muhammad Khan
10	Govt. High School, Ramzan Memorial, T.M.Khan.
11	Govt. High School Fauji Sugar Mill, T.M.Khan.
12	Govt. Boys Middle School Lutfullah, T.M.Khan.
13	Govt. Boys Main Primary School, T.M.Khan.
14	Govt. Boys Primary School, Barrage Colony, T.M.Khan.
15	Govt. Boys Primary School, B&R Colony, T.M.Khan.
16	Govt. Boys Primary School, PalioGumrani.
17	Govt. Boys Primary School, Mir Mohalla, T.M.Khan.
18	Govt. Boys Primary School Kazio Patel, T.M.Khan.
19	Govt. Boys Primary School, Tando Saindad.
20	Govt. Boys Primary School, Haji GoloJiskani.
21	Govt. Boys High School, Abdul Rahim Katiar
22	Govt. Boys High School, Jinhan Soomro
23	Govt. Boys High School, Dadoon
24	Govt. Boys High School, Bulri Shah Karim

S#	Relief Center
25	Govt. Girls Primary School, Mushtarka Colony, T.M.Khan.
26	Govt. Girls Primary School, Doolah Jo Pir, T.M.Khan.
27	Govt. Girls Primary School, Tando Saindad, T.M.Khan.
28	Govt. Girls Primary School, Shoukat Colony, T.M.Khan.
29	Govt. Girls High School, Bulri Shah Karim.
30	Government Boys High School, Mullakatiar
31	Government Girls Middle School, Mullakatiar.
32	Government High School, Suleman Soomro
33	Government Primary School, Suleman Soomro

Recommended Relief Camps Location by DDMA's - Tando Muhammad Khan District

S#	Health Facilities and Camps
1	RHC Rajo Nizamani
2	BHU Shaikh Bhurkio
3	BHU Mulakatiar
4	BHU Ghulam Shah Bagrani
5	BHU Nzarpur
6	BHU Saeed Khan Lund
7	RHC Bulri Shah Karim
8	DCD Ali Ghulam Chandio
9	BHU Ghulam Muhammad Jat

Recommended Health Facilities and Camps Location by DDMA's - Tando Muhammad Khan District

### Thatta District

S#	Relief Center	Taluka
1	GBHS Gail mori	Ghorabari
2	GBHS Kotriallahrahkio	
3	GBHSS Var	
4	GBHS Muradani	Keti bundar
5	GBHS Baghan	
6	GBHS Ketibunder	Kharochann
7	GBHS Sajanwari	
8	GBHS Karampur	Mirpur sakro
9	GBHSS Mirpur sakro	
10	GBHS Haji hassankatiyar	
11	GBHSS Ahmed khan baloch	
12	GBHS Gujjo	
13	GBHS Ghulmullah	
14	GBHS Dhabeji town	
15	GGHS Pump house dhabeji	

S#	Relief Center	Taluka	
16	GBHS Filter plant gharo		
17	GBHS Pump house dhabeji		
18	GGHS Dhabeji		
19	GBHS Buhara		
20	GGHS Gharo		
21	GGHS M.sakro		
22	GGHS Mehmoodabad		
23	GBHSS Gharo		
24	GGHS Ghulamullah		
25	GBHS Thatta		Thatta
26	GBHS Ongar		
27	GBHSS Jheruck		
28	GGHS Single section high schthatta sugar mil		
29	GGHS Ward no 1 thatta		
30	GGHS Jhungshahi		
31	GGHS Thatta		
32	GGHS Jhherruck		
33	GGHS Jhimpir thatta		
34	GGHS Makli thatta		
35	GBHS Sonda		
36	GBHS Agheemani		
37	GBHS Malmari		
38	GBHS Gul manda		
39	GBHS Jungshahi		
40	GBHS Chattochand		
41	GBHS Makli		
42	GBHSS Jhimpir		
43	GBHS Faqir-jo-goth		
44	GBHS Akhundbaradia		
45	GBHS Shaikh soomar		
46	GBPS Muhammad khan bukero	Ghorabari	
47	GBPS Ghorabari		
48	GBPS K.a.r.shah		
49	GBPS Gail mori		
50	GBES Mills areadhabeji	Mirpur sakro	
51	GBPS Samscdhabeji		
52	GBPS Dhabeji town		
53	GBPS Pump house dhabeji		
54	GGPS Nagina colony		
55	GGPS Pump house gharo		
56	GBPS Sarhad colony dhabeji		
57	GBPS Filter plant gharo		

S#	Relief Center	Taluka
58	GBPS Gharo no.i	Thatta
59	GBPS Gharo no.ii	
60	GBPS Aumbhahim	
61	GGPS Ashraf chandio	
62	GBMS Baradthahim	
63	GBPSA Ahmedabad	
64	GBPS Khudayoon	
65	GBPS Authavcillage	
66	GBPS Haji usmanbrohi	
67	GBPS Jhimpir centre	
68	GBPS Jhimpir	
69	GBPS Shah muhammad mangsi	
70	GGPS Ali muraddars	
71	GGPS Hussain khushk	
72	GGPS Makli	
73	GBPS Main makli	
74	GBPS Ravenue colony makli	
75	GBMS Jafferhallayo	
76	GGMS Sonda	
77	GBPS Jaffer hallaya	
78	GBPS Muhammad turk	
79	GBPS Sonda	
80	GGPS Yousif hallaya	
81	GBPS Chirstian colony	
82	GBPS Gul hassan solangi	
83	GGPS Thttasindhi	
84	GBPS Akhundbaradia	
85	GGPS Thatta urdu	
86	GGPS Veenjhar muhallah	
87	GBPS Khudaimuhallah	
88	GBPS Rizvi muhallah	
89	GHGPS Thatta sindhi	

Recommended Relief Camps Location by DDMAAs – Thatta District

### Sujawal District

S#	Relief Center	Taluka
1	Govt Boys Degree College Sujawal	Sujawal
2	Govt Boys High School Sujawal	
3	Govt Girls College Sujawal	
4	Govt. Primary Urdu School Sujawal	
5	Govt. Girls High School Sujawal	

S#	Relief Center	Taluka	
6	Govt. Primary Chandia School Sujawal		
7	Govt Boys High School Bello		
8	Govt Middle School Badh Mori		
9	Govt. Middle School Ranta		
10	Govt. Middle School Kot Almoon		
11	Govt. High School Syed Pur		
12	Govt. High School Mirpur Bathoro		Mirpur Bathoro
13	Govt.Girls High School Mirpur Bathoro		
14	Govt. Primary School Mirpur Bathoro		
15	Govt. Primary school Madrsa Usmania Mirpur Bathoro		
16	Govt. Primary School Near taluka Office Mirpur Bathoro		
17	Govt. Girls High School Darro	Jati	
18	Govt. High School Darro		
19	Govt. Primary School Main Darro		
20	Govt. Primary School Darro-II		
21	Govt. Girls Primary School Darro Main		
22	Govt. Girls Primary Arabab Khamiso Memon Darro		
23	Govt. primary Arabab Gul Muhammad Memon Darro		
24	Govt. Higher Secondary School Jati		
25	Govt.Boys High School Jati		
26	Govt. Girls High School jati		
27	Govt. Primary main School jati		
28	Govt. Primary School Mughalbeen Jati		
29	Govt. Girls Primary School Jaty		
30	Govt. Primary School Younis Mirbahar		
31	Govt. Girls School Younis Mirbahar		
32	Govt. HIGH School Mureed Khoso		
33	Govt. Primary School Mureed Khoso		
34	Govt. Veterinory Hospital Mureed Khoso		
35	Govt. Primary School Begna Mori		
36	Govt. Middle School Begna Mori		
37	Govt. Inspection Banglow marho Bola Khan	Shah Bandar	
38	Govt. Primary School Qadir Dino Shah		
39	Govt. Middle School Qadir Dino Shah		
40	Govt. High School Goongani		
41	Govt. Primary School School Goongani		
42	Govt Girsls Primary School Goongani		
43	Govt. Middle School hussain Dal		
44	Govt. Primary School Hussain Dal		
45	Govt. primary School Juman Sanghar		
46	Govt. Girls Primary School Juman Sanghar		
47	Govt BHU Jhungo Jalbani		



S#	Relief Center	Taluka	
48	Govt. Middle School Agedino Shah		
49	Govt. Primary School Agedino Shah		
50	Govt High School Chuhar Jamali		
51	Govt. Girls Middle School Chyhar Jamali		
52	Govt. Primary School Primary School Chuhar Jamali		
53	Govt High School Ladiun		
54	Govt. Primary School Ladiun		
55	Govt. High School Chach Jahan Khan		
56	RHC Khuhar Jamali Partialy Improvised		Kharo Chhan

Recommended Relief Camps Location by DDMA's – Sujawal District

S#	Livestock Camps
1	Damdadoo
2	Kot Almoo
3	Bello
4	Qadir dino Shah
5	Sujawal

Recommended Livestock Camps Location by DDMA's – Sujawal District

### Badin District

S#	Relief Center	Taluka
1	Govt Buildings of Badin City	Badin
2	Govt Buildings of Kadhan	
3	Govt Buildings of Nindo	
4	Govt Buildings of Talhar Town	Talhar
5	Govt Buildgs of Rajo Khanani	
6	Govt Buildings of Peru Lashari	
7	Govt Buildings of Matli City.	Matli
8	Govt Buildings of TG Ali	
9	Govt Builgs of Gulab Laghari	
10	Govt Buildings of Tando Bago.	Bago
11	Govt Buildings of Pangrio.	
12	Govt Buildings of Khoski	
13	Govt. Buildings of SF Rahu Town.	SF Rahu
14	Govt Builgs of Kario Ganhwar.	
15	Govt Buildings of Khorwah	

Recommended Relief Camps Location by DDMA's – Badin District

S#	Tent Cities
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1	Pir Aali Shah Stadium, Badin.
2	Islamia Degree College, Badin.
3	Mono & polytechnic College, Badin, S.F.Rahu, Tando Bago, Matli.
4	Marvi College Badin
5	Tent City: in case of heavy rain Badin, Nindo Shahar, Khoski and Shadi Large by passes could be used for tent cities

Recommended Tent Cities Location by DDMA's - Badin District

S#	Livestock Camps	Taluka
1	Emergency Camp Bhugra Memon	Badin
2	Emergency Camp at Behdmi	
3	Emergency Camp at Seerani	
4	Emergency Camp at Nindo Shahar	
5	Emergency Camp at Wali Muhammad Malkani	Tando Bago
6	Emergency Camp at Khoski	
7	Emergency Camp at Shadi Large	
8	Emergency Camp SF Rahu	SF Rahu
9	Emergency Camp at Tando Ghulam Ali	Matli
10	Emergency Camp Muhammad Bux Nizamani	Talhar

Recommended Livestock Camps Location by DDMA's - Badin District

## Sukkur Division

### Sukkur District

S#	Relief Center	Taluka
1	(Tent) Manzil Gah Ground Sukkur.	Sukkur City
2	(Tent) Railway Mal Go-down Sukkur.	
3	Todal Shah Old Sukkur (Zero point)	
4	Near Irrigation Bungalow Bagarji.	New Sukkur
5	Village Jaferebad @ Garang	
6	Bachal Shah Miani	
7	Kundi Buffalo Live Stock Form Mando Dero.	Rohri
8	Ali Wahan (P.Point).	
9	Union Council Office Loung Bhatti.	
10	Tent City near Piyala Hotel.	
11	(Tent City) Near Sardar CNG Rohri	
12	Khaki Patan	
13	U.C office Ali Wahan (P.Point).	
14	Veternity Hospital Rajab Dayo	
15	P-Point (Ali Wahan)	Pano Akil
16	(Tent) Anaj Mandi (Open Plot)	
17	Cattle Piri Pano Akil (Tent) (Open plot)	
18	Guddu Barrage office Pano Akil (open plot)	

19	Stadium Near Choonghla stop (Open Plot) Pano Akil.	
20	Sangi Kaccha Band	
21	Village Chuchunga/Soomra Panhwari	
22	Ural Sadhoja (Kaccha Band)	
23	Village Roopher	
24	RD-186	Salehpat

### Khairpur District

S#	Relief Center	Taluka
1	Govt. Mumtaz College Khairpur	Khairpur
2	Govt. Comprehensive HSS, Khairpur	
3	Govt. Girls H/S Luqman Taluka Khairpur	
4	Govt. Girls H/S Nizamani Taluka Khairpur	
5	Govt. High School Baberloi Taluka Khairpur	
6	Govt. High School Mori.	
7	Govt. High School Machyoon	
8	Govt. High School Piryaloi	Kingri
9	Govt. High School Pir-jo-Goth	
10	Govt. Degree College Pir-jo-Goth	Gambat
11	Govt. Murad High School Gambat	
12	Govt. High School Ripri	
13	Govt. High School Agra.	
14	Govt. Higher Sec: School Khuhra	
15	Govt. Degree College Ranipur	Sobhodero
16	Govt. High School Sobhodero	
17	Govt. High School Mirwah	Mirwah
18	Govt. High School Pacca Chang	Faiz Ganj
19	Govt. Faiz H/S School Kotdiji	Kotdiji
20	Govt. High School Mirwah	Mirwah

Recommended Relief Camps Location by DDMA's - Khairpur District

### Ghotki District

S#	Relief Center
1	GMS Ranwati, Ubauro
2	GPS Jam Khan Samejo, Ubauro
3	GPS Shahwali, Ubauro
4	GPS Punho Khan Mazari Ubauro
5	GHS Qadirpur, Ghotki
6	Katcho Bindi, Ghotki
7	GPS Wasti Inayat Shah, Ghotki

8	GPS Jam Muhammad Ali Lakhan, Ghotki
9	GPS Gamro, Ghotki
10	Sports Stadium Ghotki
11	Labor Colony Ghotki
12	Labor Colony Mirpur Mathelo
13	Sports Stadium Daharki

*Recommended Relief Camps Location by DDMA's - Ghotki District*

S#	Livestock Camps
1	Emergency Camp Katcho Bindi
2	Ghotki Emergency Camp at Qadirpur Bund
3	Ghotki Emergency Camp Ranwati (Asad Shah Damdamo)
4	Ubauro Emergency Camp Jam Khan Samejo Ubauro
5	Telephone Landhi
6	Jam M.AliLakhan (Mobile Veterinary Unit)

*Recommended Livestock Camps Location by DDMA's - Ghotki District*

### Shaheed Benazirabad Division

#### Shaheed Benazirabad District

S#	Relief Center	Taluka
1	G.H.S Daulatpur	Kazi Ahmed
2	G.H.S Shahpur Jehania	
3	Government Degree College Daulatpur	
4	G.M.S Nawab Wali Muhammad	
5	G.H.S BachalPur	
6	GGPS Nawab Wali Muhammad	
7	G.H.S.S. Kazi Ahmed	
8	GGHS Daulatpur	
9	G.H.S Kazi Ahmed	
10	G.P.S Main (Boys) Kazi Ahmed	
11	G.H.S Hamal Kaloi	
12	G.P.S Shahpur Jehania Station	
13	G.P.S SawanNoonari	
14	G.M.S Shahpur Jehania	
15	G.P.S Shahpur Jehania	
16	G.G.P.S Shahpur Jehania	
17	G.H.S Al-Noor Sugar Mills Shahpur Jehania	
18	G.P.S Mehboob Shah MohallahDaulatpur	
19	G.P.S Main Urdu Daulatpur	
20	G.G.P.S Daulatpur	
21	G.P.S Karim Abad	
22	G.M.S Boys Phulail	

S#	Relief Center	Taluka	
23	G.G.P.S Phulail		
24	G.P.S (Boys) Dino Machine/ G.M Dahri		
25	G.P.S G. M. Jatt @ Al-Noor Sugar Mill Stop.		
26	GMS (Boys) Shoukat Abad Kazi Ahmed.		
27	GPS (Boys) UnarMuhalla Kazi Ahmed.		
28	GMS Toti.		
29	GGPS Loung Soomro.		
30	GPS (Boys) MiskeenMallah.		
31	GBPS Sher Muhammad Colony, Kazi Ahmed		
32	GBPS Nawab Chandio		
33	GBPS Raza Abad		
34	GPS Khan M. Rind		
35	GPS Jamal Chandio		
36	GMS Ali Murad Chandio		
37	G.H.S Mehrabpur		Sakrand
38	G.H.S Majeed Keerio		
39	G.M.S Rahib Shah		
40	G.M.S Bhiraro (Budhal Shah)		
41	G.H.S Sakrand		
42	Police Building Lakhat		
43	G.H.S Mashakh		
44	G.H.S Mari Jalbani		
45	G.P.S Ghanwar Mahar		
46	G.P.S Chhattan Shah		
47	G.H.S Sabu Rahu		
48	G.G.M.S Sabu Rahu		
49	G.P.S (Boys) Nakur		
50	G.P.S (Boys) Mahawali		
51	G.H.S SukhioManahjo		
52	G.H.S Md. Khan Magsi		
53	GGHS No. 2 Sakrand (GPS Sherwani Kirio)		
54	GBPS Noor Model Village Sakrand.		
55	GMS FatuhalZardari		
56	GPS BukhshoMagsi		
57	GGPS Talli		Taluka Nawabshah
58	GHS Essarpura		
59	GDC H/S Nawabshah		
60	GGHS Nawabshah		
61	GMPS Nawabshah		
62	GGF H/S Line Par		
63	GHS Haji Qabool M. Shah Line Par		
64	Govt. S. Anthony School Line Par		

S#	Relief Center	Taluka
65	GHS (B) Daur	Taluka Daur
66	GHS (G) Daur.	
67	GHS Gupchani	
68	GHS Bucheri	
69	GHS Bandhi	
70	GHS Jam Sahib	
71	GHS 60th Mile	

Recommended Relief Camps Location by DDMA's – Shaheed Benazirabad District

S#	Medical Camps	Taluka
1	BachalPur	Sakrand
2	Lakhat	
3	Mekaro	
4	Madd loop	
5	Mehrabpur	
6	Mari Jalbani	
7	Murad Ali Chandio	Kazi Ahmed
8	Govt: Boys High School Daulatpur.	
9	Govt: Girls High School Daulatpur.	
10	Govt: Girls High School K. Ahmed	
11	Govt: Girls High School Nawab Wali Mohammad	
12	Govt: Girls Middle School BachalPur	
13	Govt: High School Sakrand	Sakrand
14	Govt: High School Sabu Raho	
15	Govt: High School Majeed Kerio	

Recommended Medical Camps Location by DDMA's – Shaheed Benazirabad District

S#	Livestock Camps	Taluka
1	Emergency Camp Phulail	Kazi Ahmed
2	Emergency Camp Bachalpur	
3	Emergency Camp Lakhat	Sakrand
4	Emergency Camp Mudd Bungalow	
5	Emergency Camp Mehrabpur	
6	Emergency Camp Mari Jalbani	
7	Emergency Camp Bheeda	
8	One Mobile Unit.	Sakrand/Kazi Ahmed

Recommended Livestock Camps Location by DDMA's – Shaheed Benazirabad District

## Naushahro Feroze District

S#	Relief Center	Taluka
1	Govt Elementary Collage Mithiani Hostel	Naushahro Feroze
2	Govt Primary School Mir Muhammad Chandio	
3	Govt High School Mithiani	
4	Govt Girls Primary School Mithiani	
5	Govt Urdu Primary School Mithiani	
6	Govt Muslim School Mithinai	
7	Govt Middle Mian Hassanullah Qureshi Mithiani	
8	Govt Elementary Collage Mithiani	
9	Govt Middle School @ Elementary Collage Mithiani	
10	Govt Primary School Malak Mohlla	
11	Govt Girls High School Mithiani	
12	Govt Girls Primary School Thatt Goraho	
13	Govt Boys Primary School Thatt Goraho	
14	Govt Primary School Arbab Chandio	
15	Govt Primary School Fazul Ali Chandio	
16	Govt Primary School Muhammad Uris Bhatti	
17	Govt Primary School Dodo Panhwar	
18	Govt Primary School Hasan Panhwar	
19	Govt Primary Qamar Din Panhwar	
20	Govt Primary School Jan Muhammad Tagar	
21	Govt Primary School Muhbat khan chandio	
22	Govt Primay School Pandhi Khan Dangrach	
23	Govt Primary School Paryal Dangrach	
24	Govt Primary School Abrar Chandio	
25	Govt High School Khair Muhammad Bohio	
26	Govt Pimary School Khair Muhammad Bohio	
27	Govt Primary School Dhanghno Chandio	
28	Govt Primary School Jeendo Tagar	
29	Govt Primary School Maink Tagar	
30	Govt Primary School Ameer Bux Mari	
31	Govt Primary School Gul Muhammad tagar	
32	Govt Primary School Mir Muhammad Tagar	
33	Govt High School Padidan	
34	Govt Primary School Padidan Cotton Factory	
35	Govt Girls High School Padidan	
36	Govt Primary Sindhi School Padidan	
37	Govt Primary School Padidan Station	
38	Govt High School Haroon Shar	
39	Govt Primary School Haroon Shar	
40	Govt Primary School Sulleman Burdi	

S#	Relief Center	Taluka
41	Govt Primary School Gul Khan Mari	
42	Govt Primary School Bhram Khan Mari	
43	Govt Primary School Yousif Rajper	
44	Govt Girls School Cheeho	
45	IDPs @ Link Road near Pir Sadiq	
46	Govt High School Cheeho	
47	Govt Primary School Sialabad	
48	Govt Girls Degree Collage N/Feroze	
49	Bhaira Foundation School N/Feroze	
50	Specail Education N/Feroze	
51	Bhaira Foundation School Hostel N/Feroze	
52	Govt Primary School Dodo Khan Rind	
53	Govt Boys Urdu School N/Feroze	
54	Govt Girls Urdu School N/Feroze	
55	Govt Iqra Primary School N/Feroze	
56	Govt Primary School Khalifa Ghullam Shabir N/F	
57	Govt Primary School Saleempur N/Feroze	
58	Govt Primary School Abdul Hai N/Feroze	
59	Rim-Jhim Hotel Relief Camp	
60	Police Station National High Way	
61	District Council N/Feroze	
62	Wairs Bhurt Flate Camp National High	
63	Live-Stock Office Hostel Camp	
64	Govt Primary School Sain Bux Mari	
65	Govt Primary School Phull	
66	Govt Girls Middle School Phull	
67	Govt High School Phull	
68	Govt Primary School Ghullam Akbar Phull	
69	PPHI Hospital Phull	
70	Govt Girls School Attal Bohio	
71	Govt Boys Middle School Attal Bohio	
72	Govt Primary School Anwar Samo	
73	Govt Boys Primary School Attal Bohio	
74	Govt Middle School Mahi Khan Wagan	
75	Govt Primary School Mahi Khan Wagan	
76	Govt Primary School Haji Hashim Wagan	
77	Govt Boys Urdu Primary School Darya Khan Mari	
78	Govt Boys Sindhi Primary School Darya khan Mari	
79	Govt Girls Primary School Darya Khan Mari	
80	Govt High School Darya Khan Mari	
81	Govt Primary School Ali Nawaz Mari	
82	Govt Boys School Station Muhalla Dk Mari	



S#	Relief Center	Taluka	
83	Govt Boys Urdu Elementry School DK Mari		
84	BHU Mitiani		
85	Govt Middle School Melao Chohwan		
86	Govt Primary School Shamasuddin Sahito		
87	Govt Primary School Sher M Sahto		
88	Govt Primary School Dhani Bux Jatoi		
89	Dispensary Dhani Bux Jatoi		
90	Govt High School Juma khan wassan		
91	Govt Primary School Haji Mureed Wassan		
92	Govt Primary School Allah Bux Khaskheli		
93	Govt Primary School Muhammad Ismail chandio		
94	IDPs @ Bye-Pass Highway N/Feroze *		
95	Govt Madrsa High School Naushahro feroze		
96	Govt Primary School Naushahro Feroze		
97	Govt Primary School Chuttal Rajper		
98	Govt Gilrs Primary School lal Bux Lund		
99	Govt Primary School Jiskani		
100	Govt Primary School Attaur Mari		
101	Govt Primary School Kehar Khan Mari		
102	Govt Primary School Pathan Khan Mari		
103	Govt Primary School Allah Rakhio Mari		
104	Govt Primary School Allah Bux Mari		
105	GBHSS Bhiria City		Bhiria
106	GPS Main Bhiria City		
107	GGPS Bhiria City		
108	GPS Ghalbani Bhiria City		
109	GGMS Yaqoob Tunia		
110	GHS Yaqoob Tunia		
111	GPS Kalhora Station		
112	GPS Abdul Raheem Abbasi		
113	GPS Ghulam Sarwar Kalhoro		
114	GG Degree College Tharushah		
115	GHS Tharushah		
116	Syed Noor Muhammad Shah G. Degree Collge @ Tharushah		
117	GBPS Chaheen Manumal		
118	GBMS Chaheen Suhag		
119	GBPS Nawazio Bhan		
120	GBPS Khahi Maman		
121	GBPS Machur		
122	GBPS Bolani Vistra		
123	GBPS Allah Bachayo Mangno		

S#	Relief Center	Taluka	
124	GBHS Machur		
125	GBPS Chuttal Kalhoro		
126	GGHS Machur		
127	GBPS Muhammad Jurial Baat		
128	GBMS Muhammad Jurial Baat		
129	GBPS Moosa Panhwar		
130	GBPS Faqir M. Usman Tunio		
131	GGPS Faqir M. Usman Tunio		
132	GBPS Saeed Khan Lund		
133	GHS Sakhi Dad Wahi		
134	Dispensary Faqir M. Usman Tunio		
135	GBPS Raheem Khan Baladi		
136	GBPS Suleman Dehraj		
137	Dispensary Suleman Dehraj		
138	U.C Mad Aleem		
139	GBPS Khah Jageer		
140	GBPS Banho Khan Teevino		
141	GBPS Abdul Majeed Abro		
142	GGHS Sakhi Dad Wahi		
143	GPS Tahir Ujjan		
144	GMS Dali		
145	GPS Mango		
146	GPMS Muhammad Khan Naich		
147	GPS Jiando Kalhoro		
148	GPS Nibhoro Bhatti		
149	GHS Dali		
150	GHS New Jatoi		Moro
151	GPS Thorha		
152	GHS (B) Deparja		
153	GGHS Deparja		
154	GGMS Deparja		
155	GPS Deparja		
156	Govt: Agricultural office		
157	GHS MubrakBuriro		
158	GHS QamiruddinChandio		
159	GHS B Moro		
160	GMS Mohammed YousifKorai		
161	Govt Vocational Inst: Moro		
162	GPS Ameen Abad Colony, Moro City		
163	GBLSS Daras		
164	GGDC Khalid Abad		
165	GMS Manaheen		

S#	Relief Center	Taluka
166	GPS Hot Khan Bahrani	
167	Govt Dispensary Jumo Norio	
168	GPS Urdu Railway Station Moro	
169	GPS Ghazi Khan Jatoi Near Railway Station, Moro City	
170	GPS (B) Haji MoulaBuxBuriro	
171	GPS MubrakBuriro	
172	GGPS Mubarak Buriro	
173	GHSS Mubarak Buriro	
174	GGHS MubrakBuriro	
175	GPS FaqeerMiandadBuriro	
176	GPS Nawanb Ali AsghariKorai	
177	GMS Nawab Ali AsgharKorai	
178	GPS Ghulam Mohammed Mashori	
179	GPS Sikandria, Moro City	
180	GGPS Hot Khan Bahrani	
181	GPS GhajiMashori	
182	GPS MuradKorejo	
183	GPS Old Jatoi	
184	Govt; RHC Old Jatoi	
185	GHS Old Jatoi	
186	GPS MalookKhokhar	
187	GPS Latif Colony Moro City	
188	GGMS LoungKorejo	
189	GGHS New Jatoi	
190	GPS Mohammed Memon, Moro City	
191	GPS Ghanwar Khan ChandioBandhi Road Moro City	
192	GPS Noorani Colony Moro City	
193	GPS Shadi Khan Dhiloo, Moro City	
194	GG Degri College Moro	
195	GPS Sindh Colony , Moro City	
196	GPS Ghanhwar Khan SolangiDadwah, Moro City	
197	GPS DaduSiyal, Moro City	
198	GPS New Malak	
199	GPS PirBuxZardari	
200	Govt; dispenceryVill: HisabullahKorai	
201	GPS Shah Abdul LatifBhatai, Moro City	
202	GPS RamzanChandioGachero Road, Moro City	
203	GGPS Imam Bargah, Moro City	
204	GPS Haji MuharamSolangi, Moro City	
205	GPS Sawal Jo Khoro, Moro City	
206	BHU MuradPahore	
207	GPS Sonhri Farm	

S#	Relief Center	Taluka
208	GPS Daim Khan Korai	
209	GMS Khamiso Khan Dahri	
210	GPS Jam Sethar	
211	GPS Puran	
212	GGPS Puran	
213	GHS Puran	
214	GPS Allahdad Khan almani	
215	GPS Pir Ali Bux	
216	GPS Salihpur	
217	GPS Mohammed Yousif Khaskhali	
218	GPS AllahdinoAlmani	
219	GPS FaqirGhulamHussainAlmani	
220	GHS Old Malak	
221	Govt; Maternity Home old Malak	
222	GGPS New Malak	
223	GPS Waryaso	
224	Govt Dispensary LettNangar khan Chando	
225	GHS Sadhuja	
226	GPS Sadhuja	
227	GPS Faqir Ali BuxKhoso	
228	GPS Punhal Khan Mastoi	
229	GGPS Punhal Khan Mastoi	
230	GPS LalooMachi, Moro City	
231	GPS BakarAbro	
232	GPS Ali Mohammed Solangi	
233	GPS Imamabad	
234	GPS PirGhulamMujtaba	
235	GPS Ali Mohammed Abro	
236	GPS GhulamHussainAlmaniKharik Singh	
237	GHS Imamabad	
238	GPS Mohammed Khan Sohu	
239	GMS Ubrio Shah	
240	GPS Soonhan	
241	GPS Chattan Shah	
242	MadrsaDarululoom Sindh Colony Moro	
243	Govt: Dispensary SoomarMachi	
244	GPS SoomarMachi	
245	GPS Mohammed Hassan Solangi	
246	GPS Mohammed Uris Solangi	
247	GPS Khan Mohammed Solangi	
248	GPS Kandhra Colony, Village Kandhra Colony	
249	GGPS Kandhra Colony , Village Kandhra Colony	

S#	Relief Center	Taluka	
250	GMS Kandhra Colony , Village Kandhra Colony		
251	GMS Haji Mohammed IshaqueZardari		
252	GPS LalBuxBrohi, Moro City		
253	GPS Mohammed Raheem Chand		
254	GGPS Mohammed Raheem Chand		
255	GPS Mohammed RamzanChandio 2 Daras Road Moro		
256	GPS Gaman Khan chandio		
257	GGPS Mohammed SulemanKorai, Moro City		
258	Sindh Edu; foundation Asma Public School Sindh Colony, Moro City		
259	GPS Shadi Khan Dhilo Campos near FrootMandi, Moro City		
260	GPS Jarro Khan Behan		
261	G. Masjid School Ali Nawaz Bhan		
262	GPS KamilKhosu		
263	GPS PahlwanKhosu		
264	GGPS Ali BuxSeehar, Moro City		
265	GPS GulshanMukhtiar, Moro City		
266	GPS Gul Mohammed Siyal		
267	GPS Allah ObaayoSolangi		
268	GPS Sahib Khan Chandio		
269	GHS Pacca Ghanghra		Kandiaro
270	GHS Morath		
271	BHU Muhammad Chandio		
272	RHC Kamal Dero		
273	GHS Muhabat Dero Jatoi		
274	GBPS Chutto Sargani		
275	GBPS Qurban Tanwri (City Kandiaro)		
276	GBLS Gul Muhammad Hisbani (Village Hyder Bux Jatoi)		
277	GBLS Gul Muhammad Hisbani (Village Hyder Bux Jatoi)		
278	GDC Kandiaro		
279	GHS Bhorti		
280	GMS Banho Khan Kolachi		
281	Model School Chutto Sahito		
282	GPS New Manguth		
283	GMS Manguth		
284	GHS Kamal Dero		
285	GHSS Khan Wahan		
286	GPS Khan Wahan		
287	Tunia Madarsah Khanwahan		
288	GPS Muhammad Saleh Rajper		
289	GMS Ayal Tunio		

S#	Relief Center	Taluka	
290	GPS Sheikahni		
291	GMS Shaikhani		
292	GPS Sanjar Lashari		
293	House of Sher Khan Mallah, Village Pehlwan Mirbahar		
294	GPS Soomar Channar		
295	GPS Mole Dino Larik		
296	GPS Dhabro		
297	GMS Dhabro		
298	GMS Syed Muhammad Shah		
299	GMTC Kandiaro		
300	GPS Budak		
301	GGPS Budak		
302	GPS Gajjan Mangrio		
303	GGG Koro Khushk		
304	GBS Koro Khushk		
305	GPS New Kot Ghulam Shah		
306	GPS Salehpur Old		
307	GPS Chuttal Lakhair		
308	Govt Hospital Kot Ghulam Shah		
309	Community Hall near Nadra Office Kandiaro		
310	Campus GBPS Qurban Ali Tanwri		
311	GHS Campus Soomar Channar		
312	Tentage City, City Ground Kandiaro		
313	GGHS Kandiaro		
314	Govt. Boys Degree College Mehrabpur		Mehrabpur
315	Govt. Mono Technical College Mehrabpur		
316	Govt. Girls Degree College Mehrabpur		
317	GPS Urdu line Par Mehrabpur		
318	GPS Dada Adam Mehrabpur		
319	Govt. Urdu Primary School Thari Road Mehrabpur		
320	GPS Main Sindhi School Mehrabpur		
321	Mazhar Muslim Model School Mehrabpur		
322	Hilal Public School 222, Mehrabpur		
323	GPS Bhudo Mirbahar and surrounding		
324	Saira Marriage Hall Mehrabpur		
325	Mehran Marriage Hall Mehrabpur		
326	Tanzeem Nojawan Kamboh office Mehrabpur		
327	Anjumane Nojawan Shia Imam Bargah Mehrabpur		
328	English Public School Mehrabpur		
329	Ali Cotton Factory Mehrabur		
330	City Public School Mehrabpur		
331	Water Supply TC Mehrabpur		

S#	Relief Center	Taluka
332	GGMS Qasim Khaskheli	
333	GPS Pir Qaim Shah	
334	GPS Sohrab Khan Soomrah	
335	GGHSS Halani	
336	GGPS Halani	
337	GHS Kotri Kabir	
338	GHS Behlani	
339	GPS Behlani	
340	GHS Hote Khan Jalbani	
341	GHS Mewo Sial Sialabad	
342	GHS Lakha Road	
343	GHS Sultan Ali Punjabi	
344	GHSS Saeedpur	
345	GPS Jumo Mangrio	
346	GPS Baharo Mullan	
347	GPS Dehat	
348	GPS Khyanto Mahesar	
349	GMS Tando Mir Ali Akbar	
350	Imam Bargah Shaikh, Mehrabpur	
351	GPS Qasim Abad Channa	
352	AB Public School Pir Wasan Road Mehrabpur	

Recommended Relief Camps Location by DDMAAs – Naushahro Feroze District

S#	Medical Camps
1	Old Gachero
2	Purn (PPHI)
3	Deparja (PPHI)
4	Bhagodero (PPHI)
5	Mohbatdero Jatoi (PPHI)
6	Lundi
7	Bhunr (PPHI)
8	Fateh Ali Jatoi (Lundi)
9	Bakhri Loop Bund
10	Bhorti Loop Bund
11	Mithiani
12	Manjuth
13	Old Jatoi (Kareja Bunglow)

Recommended Medical Camps Location by DDMAAs – Naushahro Feroze District

S#	Livestock Camps	Taluka
1	Vety: Hosp:	Moro
2	Flood Relief Camp Kandhira Colony Moro Bund	
3	Flood Relief Camp Gachero Bachau Bund	
4	A.H.E.C Dheeran	
5	Vety: Centre New Jatoi	
6	Vety: Hosp: Naushahro Feroze	Taluka Naushahro Feroze
7	Mobile Unit Naushahro Feroze	
8	A.H.E.C Mithiani	
9	Flood Relief Camp Mithiani Road	
10	A.H.E.C Padidan	
11	Vety: Center Bhiria	Bhiria
12	Vety: Centre Suleman Dehraj	
13	A.H.E.C Tharushah	
14	Vety: Centre Muhammad Khan Nangore	
15	Vety: Centre Machur	
16	Vety: Centre Molhan	Kandiaro
17	A.H.E.C Kandiaro	
18	Bakhri Bund	
19	Vety: Disp: Muhbat Dero Jatoi	
20	Flood Relief Camp Muhbat Dero Jatoi Bund	
21	Vety: Disp: Khanwahan	
22	Flood Relief Camp Bhorthy Bund	Mehrabpur
23	A.H.E.C Mehrabpur	
24	A.H.E.C Halani	
25	Vety: Disp: Saeedpur	

Recommended Livestock Camps Location by DDMA's – Naushahro Feroze District

### Sanghar District

S#	Relief Center	Taluka
1	GBPS Sindhi berani	Jam Nawaz Ali
2	GBPS Urdu berani	
3	GBPS Jam nawaz ali	
4	GBPS Bukhshan kaloi	
5	GBPS Rasool bux kaloi	
6	GBPS Nau abad	
7	GBPS Jan muhammad lkaloi	
8	GBPS Sindhi main khirpo	Khipro
9	GBPS Urdu main khipro	
10	GBPS Gharibabad urdu	
11	GBPS Sindhi model khipro	



S#	Relief Center	Taluka
12	GBPS Sajan mallah	
13	GBPS Khokhar mohallah	
14	GBPS Md. Aslam jat	
15	GBPS Md. Bux kerio	
16	GBPS Allah bux mughal	
17	GBPS Chhutho colony	
18	GBPS Dewan colony	
19	GBPS Eid gah khipro	
20	GBPS Qadir bux baloch	
21	GBPS Faqeer md. Ibrahim	
22	GBPS Saibghtul noor	
23	GBPS Allah dino mangrio	
24	GBPS Waryam dars	
25	GBPS Tayab dars	
26	GBPS Gh. Siddique dars	
27	GBPS Taj md. Siyal	
28	GBPS Haji hassan k.k	
29	GBPS Jamal shah	
30	GBPS Haji mehmoood thebo	
31	GBPS Md. Umar gaju	
32	GBPS Sachidino gaju	
33	GBPS Subhan bux arbab	
34	GBPS Nabi bux samejo	
35	GBPS Dhilyar village	
36	GBPS Khani rajar	
37	GBPS Hussain dars	
38	GBPS Nawab samejo	
39	GBPS Abdul karim samejo	
40	GBPS Haji khuda bux nohri	
41	GBPS Wanhio gaju	
42	GBPS Hassan ali chaniho	
43	GBPS Pir saibghtullah shah	
44	GBPS Haji ahmed dars	
45	GBPS Kakahoo junejo	
46	GBPS Ali md. Rajar	
47	GBPS Yamin hingorjo	
48	GBPS Ishaque mangrio	
49	GBPS Md. Soomar kharat	
50	GBPS Md. Hassan hingorjo	
51	GBPS Essa hingoro	
52	GBPS Md. Hayat bozdar	
53	GBPS Main sindhi hathungo	

S#	Relief Center	Taluka
54	GBPS Main urdu hathungo	
55	GBPS Haji jani chaniho	
56	GBPS Gul shah	
57	GBPS Loung rajar	
58	GBPS Soomar rajar	
59	GBPS Dilawar rajar	
60	GBPS Alam rajar	
61	GBPS Khambhro	
62	GBPS Nawa abad hingora	
63	GBPS Md. Saleem rajar	
64	GBPS Morhadi	
65	GBPS Md. Uris hingoro	
66	GBPS Khahi main	
67	GBPS Hamzo dars-i	
68	GBPS Sher md. Mehar	
69	GBPS Arab mehar	
70	GBPS Haji mehak mari	
71	GBPS Md. Amin dars	
72	GBPS Qazi dhani dino panh	
73	GBPS Luqman aroto	
74	GBPS Mohib bhayo	
75	GBPS Sohrab khan	
76	GBPS Hakim mari	
77	GBPS Haji hashim mari	
78	GBPS Fateh md. Halepoto	
79	GBPS Roonjho	
80	GBPS Qazi mubeen dars	
81	GBPS Qazi md. Ali dars	
82	GBPS Md. Uris dars	
83	GBPS Samander mangrio	
84	GBPS Ubedullah dars	
85	GBPS Md. Rahim rajar	
86	GBPS Shahmir khan panhwar	Sanghar
87	GBPS Town no 1	
88	GBPS Nizamani para	
89	GBPS Police line sanghar	
90	GBPS Muslim izharul islam	
91	GBPS Town no. 2	
92	GBPS Sayed sabghatullah shah shaheed	
93	GBPS Muslim izharulislam shift ii	
94	GBPS Yousif ji mian	
95	GBPS Molvi khair muhammad	

S#	Relief Center	Taluka
96	GBPS Chak no.1 punjabi	
97	GBPS Chak no 4	
98	GBPS Chak no 5	
99	GBPS Chak no 7	
100	GBPS Chak no 3	
101	GBPS Chak no 11	
102	GBPS Chak no.1 pathan	
103	GBPS Ch. Fateh ali	
104	GBPS Bakar	
105	GBPS Chak no.40	
106	GBPS Kakhdum muhd. Amin fahim tndo mitha khan	
107	GBPS Chotiaryoon sharif	
108	GBPS Sodho khan mir bahar	
109	GBPS Hamid shah	
110	GBPS Pir bux rajar	
111	GBPS Noor muhammad rajar	
112	GBPS Bagh khan jatoi	
113	GBPS Noor muhammad bhambharo	
114	GBPS Murred kahn mari	
115	GBPS Haji muhammad hashim rajar	
116	GBPS Kandiari	
117	GBPS M.hayat wassan	
118	GBPS M umer brohi	
119	GBPS Ahmed khan narejo	
120	GBPS Sulman wassan	
121	GBPS Chimam das	
122	GBPS Haji ghulam Mustafa Rajar	
123	GBPS Perumal city	
124	GBPS Malook khaskheli	
125	GBPS Jamia masjid imam barghah	Shahdadpur
126	GBPS Rahmania	
127	GBPS Sayed sabgatullah shah rashidi	
128	GBPS Sindhi shahdadpur	
129	GBPS Faiz-e-aam	
130	GBPS Urdu darul-uloom chaki para	
131	GBPS Islamia	
132	GBPS Mughal para	
133	GBPS Mehran town	
134	GBPS Haji ali khan detho	
135	GBPS Shahpur chaker urdu	
136	GBPS Shahpur chaker sindhi	
137	GBPS Ghulam muhammad leghari	

S#	Relief Center	Taluka
138	GBPS Jalal noonari	Sinjhoru
139	GBPS Alim khan zardari	
140	GBPS Sinjhoru sindhi	
141	GBPS Ch. Ghulam rasool	
142	GBPS Jhol urdu	
143	GBPS Ghundan	
144	GBPS Kurkaly	
145	GBPS Altaf hussain rind	
146	GBPS Jia abad	
147	GBPS Deh 30 jamrao	
148	GBPS Syed sabghatullah shah shaheed	
149	GBPS Gul hassan sarewal	
150	GBPS Khadro	
151	GBPS Deh 22 A	
152	GBPS Preetam abad	Tando Adam
153	GBPS Niaz abad	
154	GBPS Rukan buriro	
155	GBPS Jamia Millia	
156	GBPS Makhdoom Nooh	
157	GBPS Muhammad Saleh Kori	
158	GBPS Muhammad Sharif Jat	
159	GBPS Hassan Ali Afandi	
160	GBPS Memon Muhalla	
161	GBPS Islamia	
162	GBPS Ansar-ul-Islam	
163	GBPS Sindhi Main Tando Adam	
164	GBPS Dr. Ziauddin Tando Adam	
165	GBPS Muhammad Khaskheli	
166	GBPS Mirza Qaleech Baig	
167	GBPS Muhammad Lorian	
168	GBPS Muslim Rajput	
169	GBPS Muhammadi Masjid	
170	GBPS Gulzar Colony	
171	GBPS New Muhammadi	
172	GBPS Dhani Bux Lashari	
173	GBPS Mir Hassan Mari	
174	GBPS Karim Dad Mari	
175	GBPS Ali Mardan Jamali	
176	GBPS Pir Bux Hingoro	
177	GBPS Muhammad Bux Makorani	
178	GBPS Arif Saand	
179	GBPS Ch: Habibullah	

S#	Relief Center	Taluka
180	GBPS Mitho Khoso	
181	GBPS Sanjar Khan Junejo	
182	GBPS Ismail Rahoo	
183	GBPS Abdul Majeed Dero	
184	GBPS Thahim Colony	
185	GBPS Khuda Bux Khoso	
186	GBPS Ghulam Mustafa Junejo	
187	GBPS Ahmed Buriro	
188	GBPS Mullan Makhan	
189	GBPS Sui Kandar	
190	GBPS Tariq Aziz Dero	
191	GBPS Baxo Nizamani	
192	GBPS Sher Muhammad Dero	
193	GBPS Kumb Darhoon	
194	GBPS Rajput Nagar	
195	GBPS Baqar Nizamani	
196	GBPS Chan no 62	Sanghar
197	GGPS Berani sindhi	Jam Nawaz Ali
198	GGPS Bjaji mari	
199	GGPS Makadum muhammad zaman talib mula	
200	GGPS Jan muhammad kaloi	
201	GGPS Khipro	Khipro
202	GGPS Khipro	
203	GGPS Mitha khan hingoro	
204	GGPS Hathungo	
205	GGPS Qasim mangrio	
206	GGPS Suleman gajoo	
207	GGPS Dhilyar	
208	GGPS Khahi	
209	GGPS Qazi dhani bux	
210	GGPS Haji hamzo panhwar	
211	GGPS Hussain panhwar	
212	GGPS Abdullah laghari	
213	GGPS Pario rajar	
214	GGPS Hashim chanio	
215	GGPS Aqil Chanio	
216	GGPS Kamil hingoro	
217	GGPS Ismail gajoo	
218	GGPS Yamin hingorjo	
219	GGPS Haji muhammad qasim	
220	GGPS Kazi faiz muhammad	
221	GGPS Nizamani para sindhi	Sanghar

S#	Relief Center	Taluka
222	GGPS Khatoon-e-fatima	
223	GGPS housing society	
224	GGPS Urdu main sanghar	
225	GGPS Sindh mian sanghar	
226	GGPS Allama iqbal	
227	GGPS K.g primary school	
228	GGPS Shamir panwhar colony	
229	GGPS Chak no 4	
230	GGPS Chak no 11	
231	GGPS Chak no 8	
232	GGPS Chak no.5	
233	GGPS Kandhari	
234	GGPS Perumal	
235	GGPS Sindhi shahdadpur	
236	GGPS Niswan shadadpur	
237	GGPS Urdu shahdadpur	
238	GGPS Yousaf abro sindhi	
239	GGPS Mai sohni nuger Shahdadpur	
240	GGPS Jatia shahdadpur	
241	GGPS Shahpur chakar sindhi	
242	GGPS Soomar wassan	
243	GGPS Muhammad juman Dahri	
244	GGPS Ch: muhammad hanif	
245	GGPS Sarhari urdu	
246	GGPS Lundo	Sinjhorro
247	GGPS Jhol sindhi	
248	GGPS Jhol urdu	
249	GGPS Khadro sindhi	
250	GGPS Khadro urdu	
251	GGPS Darya khan baladi	
252	GGPS Akberabad	
253	GGPS Sinjhorro sindhi	
254	GGPS Kurkali	
255	GGPS Budhal jageer	
256	GGPS Rukan buraro	
257	GGPS Abasabad	Tando Adam
258	GGPS Altaf hussain rind	
259	GGPS Ghundan	
260	GGPS Abhpur	
261	GGPS Makhdoom nooh tdm	
262	GGPS Juman shah tando Adam	
263	GGPS Urdu main tando adam	

S#	Relief Center	Taluka
264	GGPS Odherabad tando adam	
265	MPLS Allama Iqbal	

Recommended Relief Camps Location by DDMA's – Sanghar District

### Larkana Division

#### Larkana District

S#	Relief Center	Taluka
1	GBPS Dodo	Larkano
2	GBPS Hamzo Jatoi	
3	GBPS Akil	
4	GBHS Akil	
5	GGHS Akil	
6	GBPS Bhoot Kharos	Ratodero
7	GBPS Shahani	
8	GGHS Phulpota	
9	GGLSS Izat Ji Wandh	
10	GBPS Wandh Pandhi	Bakrani
11	GGPS Mahi Bhutta	
12	GGPS Hassan Wahan	
13	GGPS Doulat Khuhro	
14	GBPS Purani Gud	
15	GBPS Behin	
16	GBPS Hakra	
17	GBPS Yar Muhammad Hullio	
18	GBPS Butt Shareef	
19	GBPS Khamiso Hullio	
20	GBPS Purano Abad	
21	GBPS Sher Khan Jatoi	
22	GBPS Chutto Tagar	
23	GBPS Banho Jatoi	
24	GBPS Mangria	
25	GBPS Piyaro Buriro	
26	GBPS Hatri Ghulam Shah	
27	GBPS Palija	
28	GBPS Pir Ranjhan Shah	
29	GBPS Jumo Sheikh	
30	GBPS Nou Abad	
31	GBPS Shadan Jatoi	
32	Mir Ja Pir	
33	GBPS Ahmed Ali Kalhoro	
34	GBPS Bedi Lashari	

S#	Relief Center	Taluka
35	GBPS Chakro	
36	GBPS Dado Machhi	
37	GBPS Dost Ali Kalhoro	
38	GBPS Fatehpur	
39	GBPS Gaji Dero	
40	GBPS Jogi Kalhora	
41	GBPS Khachar Pur	
42	GBPS Nago Shah	
43	GBPS Nari Lashari	
44	GBPS Qazi Dara	
45	GBPS Rawat Khan Khero-I	
46	GBPS Rawat Khero-II	
47	GBPS Sonharo Gadhi	
48	GBPS Veehar	

Recommended Relief Camps Location by DDMA's – Larkana District

S#	First Aid Post	Taluka
1	Shahani	Ratodero
2	Phulpoto/Ketty Mumtaz	
3	Akil	Larkano
4	Larkano-Khairpur Bridge	Bakrani
5	Puranoabad	Dokri
6	Gajidero	
7	Veehar	

Recommended First Aid Location by DDMA's – Larkana District

S#	Supporting Static Centres	Taluka
1	BHU Akil	Larkano
2	Govt. Dispensary Agani	
3	Rural Health Centre Naudero	Ratodero
4	Govt. Dispensary Shahani	
5	BHU Izat Ki Wandh	
6	BHU Sono Jatoi	Bakrani
7	Taluka Hospital Bakrani Arija	
8	BHU New Gud	
9	BHU Moen Jo Daro	Dokri
10	BHU Karani	

Recommended Supporting Static Centres Location by DDMA's – Larkana District

S#	Livestock Camps
1	Shahani
2	Phulpota



S#	Livestock Camps
3	Akil
4	Purano Abad
5	Purani Gud
6	Balhreji
7	Gajidero
8	Veehar
9	Larkano City
10	Information Cell

Recommended Livestock Camps Location by DDMA's – Larkana District

### Kamber Shahdadkot

S#	Relief Center	Taluka
1	Open Ground of Govt. SL Degree College, Kamber	Kamber
2	Cricket Ground, Kamber	
3	Stadium Ground, Shahdadkot	Taluka Shahdadkot
4	Government Degree College, Shahdadkot	
5	Stadium Ground Mirokhan	Taluka Mirokhan
6	Government Girls High School, Nasirabad	Taluka Nasirabad
7	Polytechnical Institute Warah	Taluka Warah
8	Government Higher Secondary School Warah	

Recommended First Aid Location by DDMA's – Kamber Sahahdadkot District

S#	Medical Camps
1	Kachi Pul
2	Mir Pur Buriro
3	Zero Point
4	Sabo Burio
5	Chandan.
6	Rural Health Center Qubo Saeed khan.
7	Taluka Hospital Shahdadkot
8	Taluka Hospital Kamber.
9	Taluka Hospital Mirokhan.
10	Rural Health Center Nasirabad
11	Taluka Hospital Warah

Recommended Medical Location by DDMA's – Kamber Sahahdadkot District

S#	Livestock Camps	Taluka
1	Veterinary Dispensary Kamber &	Kamber
2	Warah Barrage Camp @ Veterinary Dispensary Ghaibi Dero	
3	Veterinary Dispensary Shahdadkot	Shahdadkot
4	Camp @ Veterinary Dispensary Mirokhan	Mirokhan

5	Mirpur @ Chhandan	Warah
6	Camp @ Animal Health Center Nasirabad	Nasirabad
7	Rabi Pull & Katchi Pull	Qubo Saeed Khan
8	Camp @ Veterinary Center Sijawal Junejo	Sijawal Junejo

Recommended Medical Location by DDMA's – Kamber Sahahdadkot District

### Shikarpur

S#	Relief Center	Taluka
1	GBHS No: 01 Shikarpur	Shikarpur
2	GBHS Agha Saleem Shikarpur	
3	GBHS Shah Latif hikarpur	
4	GBHS HFM Usto Shikarpur	
5	GBHSS Qazi Habibullah Shikarpur	
6	GBHSS City Shikarpur	
7	GBHS Humay on	
8	GBHSS Sultan Kot	
9	GBHSS Lakhi	Lakhi
10	GBHSS Jhali Kalwari	
11	GBHSS Ruk	
12	GBHSS Chak	
13	GBHS Jahan Khan	Khan Pur
14	GBHS Rahimabad	
15	GBHS Khanpur	
16	GBHS Main Jo Goth	Garhi Yasin
17	GBHSS (ABKD) Garhi Yasin	
18	GBHS Dakhan	
19	GBHS Madeji	
20	GBHS Mirzanpur	
1	GBPS Lakhigate	Shikarpur
2	GBPS Qazi Mohalla	
3	GBPS Sindhi Sadar	
4	GBPS Khanchandabd	
5	GBPS Lakhi-II	Lakhi
6	GBPS Wazirabad	
7	GBPS Chak	
8	GBPS Khanpur Sindhi	Khanpur
9	GBPS Khanpur Urdu	
10	GBPS Garhi Yasin Main	Garhi Yasin
11	GBPS O/C Garhi Yasin	

Recommended Relief Camp Location by DDMA's – Shikarpur District

S#	Tent Cities	Taluka
1	Madeji Station	Garhi Yasin
2	Panhwar Bhutta	
3	Pir Daim Shah	
4	Husnani Ji Wandh	
5	Jamalpur	
6	Mirzapur.	

Recommended Tent Cities Location by DDMA's – Shikarpur District

S#	LiveStock Camps	Taluka
1	Mobile Unit Shikarpur.	Shikarpur
2	Veterinary Camp Shikarpur.	
3	Veterinary Camp Sultankot.	
4	Veterinary Camp Mari.	
5	Veterinary Camp Choi Banglow Bund at Khanpur.	Khanpur
6	Veterinary Camp Sardar Khadim Hussain Jatoi Village at Rahimabad	
7	Veterinary Camp at Mehmooda Bagh	
8	Veterinary Camp Garhi Yasin	Garhi Yasin
9	Veterinary Camp Toor Bund	
10	Veterinary Camp Panhwar Bhutta	
11	Veterinary Camp Wazirabad	Lakhi
12	Veterinary Camp Chak	
13	Veterinary Camp Jhali Kalwari at Ruk.	
14	Veterinary Camp Chiman Bund at Rustam	

Recommended Livestock Camps Location by DDMA's – Shikarpur District

### Jacobabad

S#	Tent Cities	Taluka
1	Near Kot Jango Petrol Pump	Jacobabd
2	Near Taj Petrol Pump	
3	Shambay Shah Ground	
4	Wagon and Bus Stand	
5	Under Construction Bus Stand	
6	05 new societies spaces at Quetta Bypass road	
7	Noor Rice Mill ground	Thull
8	03 Rice Mills grounds	
9	Stadium at Bypass	
10	03 New societies at Bypass road	
11	Bahu Khoso ground	Garhi Khairo
12	Garhi Khairo Hyder Shah Ground	

13	Bus stand	
14	Allahabad ground	
15	Saifullah Non-Inspection Space	
16	Muhammad Pur Oudho ground	

Recommended Tent Cities Location by DDMAAs – Jacobabad District

### Kashmore

S#	Relief Center	Taluka
1	Government Primary School Umar Bhutto Deh Makhan Bello.	Kashmore
2	Government Primary School 1 and 2 Badani.	
3	Government Primary School Miral Sangi.	
4	Government Primary School Sachal Solangi Deh Bindo Murad.	
5	Government Primary School Buxan Shah.	
6	Government Primary School 1 and 2 Kashmore.	
7	Government Primary School Pandhi Khan Kalwar Kashmore Town.	
8	Govt High School Badani Deh Katcho Badani.	
9	Govt: High School Guddu	
10	Govt Middle School Din Muhammad Khan Khoso	
11	Railway Station Tangwani.	Tangwani
12	Government High School Tangwani.	
13	Government Primary School Tangwani	
14	Government Primary School Karampur	
15	Ghora Ghat Inspection Bungalow.	Kandkot
16	Inspection Bungalow Tori.	
17	Inspection Bungalow. Shewal ji landhi	
18	Govt: High School Dari	
19	Government Primary School Ghouspur	
20	Government Primary School Bhanar.	
21	Government Primary School Karam Din Sabzoi	
22	Government Primary School Dur Muhammad Sabzoi	
23	Government Primary School Pirano Chachar.	
24	Government Primary School Durani Mahar	
25	Government Primary School Safdar Abad	
26	Government Primary School Jatoi Chachar	
27	Government Primary School Jam Soonharo Chachar	
28	Government Primary School Alim Jagirani	
29	Government Primary School M. Hayat Ogahi	
30	Government Primary School Arain	
31	Government Primary School Khan Mohammad Sabzoi	
32	Government Primary School Miyani Qaiser	
33	Government Primary School Dari	
34	Government Primary School Hamid Malik	

35 Government Primary School Mir Ali Khan Sundrani

*Recommended Relief Camps Location by DDMA's - Kashmir District*

S#	Tent Cities	Taluka
1	Government Degree College Kandhkot	Kandkot
2	Lake View Park Kandhkot	
3	Bus terminal near City Park Kashmir	Kashmir
4	Dakhan Banglow	
5	Open Plot near Civil Court Building Tangwani	Tangwani
6	Govt. High School Karampur	
7	Govt. High School Gahno Khoso	
8	Govt. High School Ghulam Sarwar Sarki	

*Recommended Tent Cities Location by DDMA's - Kashmir District*

**Mirpurkhas Division**

**Tharparkar**

S#	Relief Center	Taluka
1	Government Girls High School Mithi	Mithi
2	GHS North Colony Mithi	
3	GHS Mithi	
4	GMS Mithrio Bhatti	
5	GHS Chelhar	
6	Govt. Provincial High School Mithi	
7	Govt. A.J.K.M North Colony High School Mithi	
8	GHS Islamkot	Islamkot
9	GHS Saleh Janjhi	
10	GGHS ISLAMKOT MAIN	
11	GHS Gurrirabah	
12	GHS Khetlari	Kaloi
13	Govt. Middle School Rehman Abad Kaloi	
14	Govt. High School Kaloi	
15	Govt: Higher Secondary School Kaloi	
16	GHS BHUKRIO	
17	Govt. Higher Sec: School Chachro	Chachro
18	GHS Kantio	
19	GMS Udani	
20	GMS Rajoro	
21	GHS Wavri Dora	
22	GHS Janjhi	
23	GHS Chanore	
24	GHS Sakrio	
25	GHS Tardos	
26	GHS TAJ MUHAMMAD SHAHANI	

S#	Relief Center	Taluka	
27	GHS Keetar	Dahli	
28	GHS Khensar		
29	GHS Nagarparkar	Nagar Parkar	
30	GMS Kasbo		
31	GHS Virawah		
32	GHS Danodandhal		
33	GMS Ismail Sangarsi		
34	Government Girls High School Mithi		Mithi
35	GPS Noor Muhammad Colony Mithi		
36	GPS Meghwar Colony Mithi		
37	GPS Bheel Colony Mithi		
38	GPS Siran Colony Mithi		
39	GPS Parha Colony Mithi		
40	GPS Dharmani Colony Mithi		
41	GHS North Colony Mithi		
42	GHS Mithi		
43	GMS Mithrio Bhatti		
44	GPS Akheraj		
45	GPS Bhakuo		
46	GPS Kerti		
47	GHS Chelhar		
48	GPS JORUO MUSLIM		
49	GPS Ghuno Lund		
50	Govt. Boys Degree College Mithi		
51	Govt. Mono Technical Institute Mithi		
52	Govt. Girls College Mithi		
53	Govt. Provincial High School Mithi		
54	Govt. A.J.K.M North Colony High School Mithi		
55	Naukot Fort	Islamkot	
56	GHS Islamkot		
57	GPS Bajeer Colony Islamkot		
58	GHS Saleh Janjhi		
59	GPS Khario Ghulam Shah		
60	GPS CHAHO RAHMOON		
61	GGHS ISLAMKOT MAIN	Diplo	
62	Govt. Boys Degree College Diplo		
63	Govt. Primary School Layakhro		
64	GPS Arokhi		
65	GPS Saghrore		
66	GPS Helario Pir		
67	GPS Verhar		

S#	Relief Center	Taluka
68	GPS Paneli	
69	GPS Rohal	
70	GPS Kareveri	
71	GPS Talo Jam	
72	GPS Kahiari	
73	GPS Sadhoi	
74	GPS Phararo	
75	GPS Kharo Dabhro	
76	GPS Seengaro	
77	Govt. Primary School Belo Notiar	
78	GPS Gorwari	
79	GPS Jeruo	
80	GPS Seenhar Khuee	
81	GPS Khankhanyar	
82	GPS Chhaho Suthar	
83	GHS Gurrirabah	
84	GPS Nabisar	
85	GPS LAYAKHRO	
86	GHS Khetlari	Kaloi
87	Govt. Middle School Rehman Abad Kaloi	
88	Govt. High School Kaloi	
89	GPS Dodo Jat	
90	GPS Ibrahim Dars	
91	GPS Wango More	
92	Cattle Colony Mehrand	
93	Govt: Higher Secondary School Kaloi	
94	GHS BHUKRIO	
95	GPS MODOOR	
96	GPS KALOI	
97	Govt. Higher Sec: School Chachro	Chachro
98	GPS Naupuro	
99	GHS Kantio	
100	GPS Goongio	
101	GMS Udani	
102	GMS Rajoro	
103	GHS Wavri Dora	
104	GPS Mubarik Rind	
105	GHS Janjhi	
106	GHS Chanore	
107	GHS Sakrio	
108	GHS Tardos	

S#	Relief Center	Taluka
109	GPS Mithrio Suther	Dahli
110	GHS Keetar	
111	GPS Jetrar	
112	GHS Khensar	
113	GPS Dhoor Gadhro	
114	GPS Peerani jo par	
115	GPS Karangri	
116	GPS Qabool jo Par	
117	GPS Bagal	
118	GPS Sajjan jo par	
119	GHS Nagarparkar	
120	GPS Mondaro	
121	GPS Lakar Khadio	
122	GMS Kasbo	
123	GPS Dedhvero	
124	GHS Virawah	
125	GHS Danodandhal	
126	GPS Soondar	
127	GPS Mamchero	
128	GPS Kubri	
129	GPS Kharoro	
130	GPS Hिरar Deda	
131	GPS Satidera	
132	GPS Orhamar	
133	GMS Ismail Sangarsi	
134	GHS TAJ MUHAMMAD SHAHANI	
135	GPS MOKHAI	

Recommended Relief Camps Location by DDMA's - Tharparkar District

S#	Tent Cities	Taluka
1	Gadhi Bhit	Mithi
2	Missri Shah Bhit	
3	Hardas Bhagat Bhatt	
4	Verhijhap Bhatt	Diplo
5	Sonahri Bhatt Naukot-Diplo Road Diplo	
6	Thaari bhitt Naukot-Diplo Road Diplo	
7	Hill Park, Kaloi	Kaloi
8	Seenhar Bhatt Mithi-Badin Road Kaloi	
9	Kaloi Bhit Kaloi	
10	Kharak Bhit Kaloi	
11	Bhitro Bhatt Kaloi	
12	Saino Bhatt Near Chachro	Chachro



S#	Tent Cities	Taluka
13	Bhitt near entry and exit gate	
14	Matharo Bhitt near Chachro-Umerkot and Islamkot Road	
15	Danodhandhal Bhit Islamkot N'Parkar Road	
16	Verawah Samman Bhit Islamkot Nagarparkar Road	Nagar parkar
17	Khinsar Bhit near Khinsar Umerkot Road via Bagal and Ratnore	Dahli

Recommended Tent Cities Location by DDMA's - Tharparkar District

**Umerkot**

S#	Relief Center	Taluka
1	Chachro Road	Umerkot
2	Ratnore Road	
3	Kharoro Charn	
4	Ratnore Road	
5	Khejrari Bhit	
6	Dhoronaro	
7	Village Chhore	
8	Village Chhore	
9	Bhit Cheel Band	
10	Bugu Belo Karna	
11	Cheel Band	Kunri
12	Cheel Band	
13	Cheel Band	
14	Nabisar Thar	
15	Nabisar Thar	
16	Nabisar Thar	
17	Nohto	
18	B.No.127 of Deh Kharoro East	Samaro
19	B.No 207 of Deh Old Samaro	
20	B.No 91/1,2 of Deh Rabjago	
21	B.No.199 of deh Dabho	
22	B.No.61 of deh Hiral	
23	Identified Place	Pithoro
24	Ground Cotton Factory Shadi palli	
25	Public Park Pithoro	
26	Old Bacha Band	
27	Village Lal Mohd Mangrio	

Recommended Relief Camps Location by DDMA's - Umerkot District

S#	Livestock Camps	Taluka
1	Emergency Camp at Umerkot	Umerkot
2	Emergency Camp at Mehendro Jo Par	
3	Emergency Camp at Kaplore	

4	Emergency Camp at Ahroi Farm	
5	Emergency Camp at Chhore	
6	Emergency Camp at Khokharapar	
7	Emergency Camp at Cheel Band	
8	Emergency Camp at Nabisar Thar	
9	Emergency Camp at Qazi Sultan	Kunri
10	Emergency Camp at Kunri Town	Samaro
11	Emergency Camp at Samaro	
12	Emergency Camp at Abdullah Kapri	
13	Emergency Camp at Samaro Road	Pithoro
14	Emergency Camp at Pithoro	
15	Emergency Camp at Shadipali	
16	Emergency Camp at Bacha Band	

Recommended Livestock Camps Location by DDMA's - Umerkot District

### Mirpurkhas

S#	Relief Center	Taluka
1	S.A.L College, New Building	Mirpurkhas
2	Jinnan Primary School, Satellite Town	
3	GPS Mir Sher Muhammad Talpur	
4	GBHS Darul Qasima	
5	Rehabilitation Institute for disable at Khipro Bus Stand	Hussain Bux Mari
6	GBHS Shadman City	
7	GBHS Khan	
8	GBHS Pitoyoun	
9	GBHS Hingorno	Sindhri
10	Sindh Education Safe School at Hingorno	
11	GBHS Sultan Mahajir	
12	GBHS Phulladyoun	
13	GBPS Makrani Colony Ward No.12 Digri	K.G.M.B
14	GBPS Mir Jan Muhammad Colony	
15	Govt. Boys Degree College, Tando Jan Muhammad	
16	GBHS Sikriari	
17	GBHS Dangan	
18	GBHS Bachal Khaskheli	
19	GBHS Saeed Khan Leghari	
20	GBHS Kachelo	
21	GBHS Kot Ghulam Muhammad	
22	GBHS Hashim Bhurgari	Shujaabad
23	GGHS Kot Ghulam Muhammad	
24	Safe Private School Abdul Majeed Bugio	
25	GPS Muhammad Umer Machi	

S#	Relief Center	Taluka	
26	GHS Syed Khadim Ali Shah		
27	GPS Nagar Khaskheli		
28	GMS Seth Hari Ram Kishori Lal Deh Chelaro		
29	GEMS Meo Khan Leghari		
30	BHU Khumbri		
31	GPS Bhoorji		
32	GPS Ch. Ghulam Muhammad		
33	GPS Allah Rakhio Gorchani		
34	GGMS Nizamuddin Mahajir		
35	Govt. Degree College Samaro Road Jhuddo		Jhudo
36	Govt High School Naukot		
37	Govt primary School Main Naukot		
38	Govt Primary School Muhammad Khan Talpur		

*Recommended Relief Camps Location by DDMA's - Mirpurkhas District*

S#	Medical Camps	Taluka
1	Mirpurkhas	Mirpurkhas
2	Shujabad	Shujabad
3	Sindhri	Sindhri
4	Hussain Bux Mari	Hussain Bux Mari
5	Kot Ghulam Muhammad	Kot Ghulam Muhammad
6	Digri	Digri
7	Jhudo	Jhudo

*Recommended Medical Camps Location by DDMA's - Mirpurkhas District*