



MONSOON CONTINGENCY PLAN

2015

This Document is the Plan of Provincial Government of Khyber Pakhtunkhwa for Combating Potential Flood Disaster of the Forthcoming Season of Monsoon 2015



Provincial Disaster Management Authority
Government of Khyber Pakhtunkhwa

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Acronyms

AAD	Additional Assistant Commissioner
AC	Assistant Commissioner
ADB	Asian Development Bank
CP	Contingency Plan
DC	Deputy Commissioner
DDMO	District Disaster Management Officer
DDMU	District Disaster Management Unit
DNA	Damage Need Assessment
HH	House Hold
MC	Municipal Corporation
MO	Municipal Officer
PRCS	Pakistan Red Crescent Society
UNOCHA	United Nations Office for the Coordination of Humanitarian Affairs
UN	United Nations
WB	World Bank
WFP	World Food Programme
WHO	World Health Organization

Executive Summary

Pakistan is prone to multitude of hazards both natural and human induced. Flooding, earthquake, cyclone/storms, drought and landslides are some of the main natural hazards that threaten the country and have caused widespread damages and losses in the past. Floods being the most frequently occurring disaster, affect the most number of people in the country.

Due to the global climate changes, Pakistan is very high on vulnerability scale and is experiencing unpredictable rainfall, increased temperature and changes to the seasons. These changes have caused huge and unpredictable rainfall in past 5 years in Pakistan particularly in KP. It is also observed that due to massive changes in weather pattern, the entire Peshawar valley has entered into the monsoon range.

Due to its specific geography and topography, KP province is prone to a number of hazards in general and is the most vulnerable to floods in specific. As observed in 2010, the monsoon season brought with it a massive destruction having a severe impact on KP. The magnitude of the calamity was evident from the data compiled by the Federal Flood Commission, which states that the flow of river Swat and Kabul combined touched a new historical height of 400,000 cusec as against the previous figure of 250, 000 cusec in 1929.

The Contingency Plan at hand is an effort by the Provincial Government of Khyber Pakhtunkhwa to cope with flood risks and remain prepared for any such event in monsoon 2015 and respond in the best possible and coordinated manner. The Contingency Plan has been prepared after a series of consultations with the District Administrations as First Responders and with the Provincial Governments, NDMA, Federal Agencies, Pak Army Headquarters Engineers, 11 Corps Peshawar and Humanitarian Community including PRCS, DRR Forum and NHN. The Contingency Plan has been designed for three different scenarios Vis High, Medium and Low. Keeping in view the PMD recent weather forecast and the fact that PDMA is making efforts to start with prepositioning of stocks and resources to be ready for pre-monsoon spells as well. The Contingency Plan is taking cognizance of the monsoon 2015 situation as well, when Chitral faced comparatively extreme and unexpected floods. Chitral district has therefore being moved to highest category of Risk in the Contingency Plan unlike its position as “moderately affected” district in floods 2010. By identifying gaps in resources and capacities as well as assigning clear roles and responsibilities to all the stakeholders including Humanitarian Community, the Contingency Plan is an all-inclusive document. The Contingency Plan also take into consideration the gaps and short comings especially in the existing Early Warning Systems with a forecast range of only 3-4 days and its very limited coverage in Khyber Pakhtunkhwa.

PDMA also recognizes that the contingency planning should also focused to prioritize, integrate and address the needs and concerns of vulnerable groups. NDMA Act 2010 makes specific references in its provision to the vulnerable groups as:

Section 11:- Guidelines for Minimum Standards of Relief: Sub Section (b) “special provision to be made for the vulnerable groups”.

Section 37:- Pohibition against Discrimination: “While providing compensation and relief to the victims of disaster, there shall be no discrimination on the grounds of sex, caste, community, decent or religion.

The plan has ultimately aims of enhancing the effectiveness and timeliness of dealing with emergency situation through mitigation measures and clarification of goals, strategies and responsibilities of PDMA.

Chapter-1

Monsoon Contingency Plan 2015

1.1 An Overview

To handle disasters caused by the floods as a result of environmental changes leading to increased risks and vulnerabilities to monsoon floods (both flash and reverine) in the province of Khyber Pakhtunkhwa, an integrated scientific approach is imperative. Provincial Disaster Management Authority (PDMA) Khyber Pakhtunkhwa is channelizing the available resources and techniques, in collaboration with all stakeholders to mitigate the risks and enhance preparedness for floods to minimize the losses.

The Provincial Government due to various constraints is unable to make investments in the flood management systems. Lack of sufficient water storage facilities, lack of effective regulations and poor early warning systems are the major impedements in development of vibrant and effective flood risk management system.

Presently, the available early warning/forecasting of floods is telemetry installed by WAPDA and Irrigation Department. The existing flood early warning system of Irrigation Department can forecast floods 24-48 hours in river Swat, 5-7 hours Kabul River and 36-48 hours in Indus River in DI Khan which provides insufficient time for evacuation of vulnerable communities and no early warning system exist for flash flood in mountaineous regions. Gauging through telemetry system installed by WAPDA and Provincial Irrigation Department are the only source of early warning system. The Irrigation Department can hardly provide 24-48 hours warning along the Swat River, 5-7 hours along Kabul River and 36-48 hours along the Indus River at D.I Khan. Such forecast, however, does not help evacuation of vulnerable communities to safer locations as witnessed in the year 2010. There are no arrangements to forewarn vulnerable communities of flash flooding across the mountainous regions.

There has been very little investment in water storage that can otherwise reduce the vulnerability of floods. This limited storage capacity has further been undermined by massive silting that naturally reduces their flood impact mitigation capacities. There are only two notable reservoirs in Khyber Pakhtunkhwa Warsak and Tarbela. The former has lost its storage capacity long ago, while the live storage capacity of the later has gone down to 6.77 MAF from its original capacity of 9.68 MAF, and 30 percent decreased during the last 36 years. There are three major head works including Munda, Amandara and Kurram Garhi in Khyber Pakhtunkhwa, which regulate water discharge to different tributaries of major river systems and canals.

The upper regions of Khyber Pakhtunkhwa constitute the catchment area of River Indus, the main river of the province. The Indus along its course is joined by its tributaries originating from the Northern Areas and some in the province like the River Kabul, Swat and Kurram and numerous minor mountain water channels.

Unfortunately, despite the hectic efforts of the PDMA the river systems are not fully covered by the flood monitoring mechanism yet and therefore it is not possible to timely detect the water overflow except close to Tarbela leaving very short time for preparedness.

Heavy snow on the northern mountains of the province starts melting with rising temperatures during summer thus causing rise in the water level of River Kabul and Swat. During the same period the monsoon patterns also develops in the region. Heavy precipitation of monsoon results in disproportionate water flow in these rivers which ultimately generate floods around the banks of rivers. Flash flooding in numerous hill torrents across the province is also a common phenomenon. The simultaneous occurrence of riverine and flash floods, melting of snow, heavy precipitation and the cloud bursting make the situation horrific.

Faced with such critical possible scenarios adopting an integrated approach for monsoon contingency planning is thus considered as top priority by PDMA Khyber Pakhtunkhwa.

1.2 Khyber Pakhtunkhwa General and Flood Profile

The Province of Khyber Pakhtunkhwa is the smallest Province of Pakistan in terms of geographic area; it is 9.4% of the country's total area. Khyber Pakhtunkhwa covers an area of 74,521 sq. km and is located on both banks of the river Indus and stretches from the Himalayas in the north to deserts of DI Khan in the south, where it is bordered by the Baluchistan and Punjab provinces. Province has a total of 26 districts which are further divided into 69 Tehsils and 986 UCs. The total number of Mouzas/villages is 7335 as per 1998 census.

Indus and Kabul rivers are the two major river systems in Khyber Pakhtunkhwa. The Indus River forms the boundary with Punjab and passes from Attock to Dera Ismail Khan in the south; and River Kabul flows down from Afghanistan to join the Indus River. Rainfall in Khyber Pakhtunkhwagenerally occurs in two distinct crop-growing seasons: Rabbi (winters, December – March) and Kharif (summers, June – September). Normally the monsoon arrives in first or second week of June. During monsoon the riverine floods occur in river Kabul, Swat and Indus that affect the central & western populated districts, while flash floods also occur astride these rivers resulting in colossal losses sometimes.

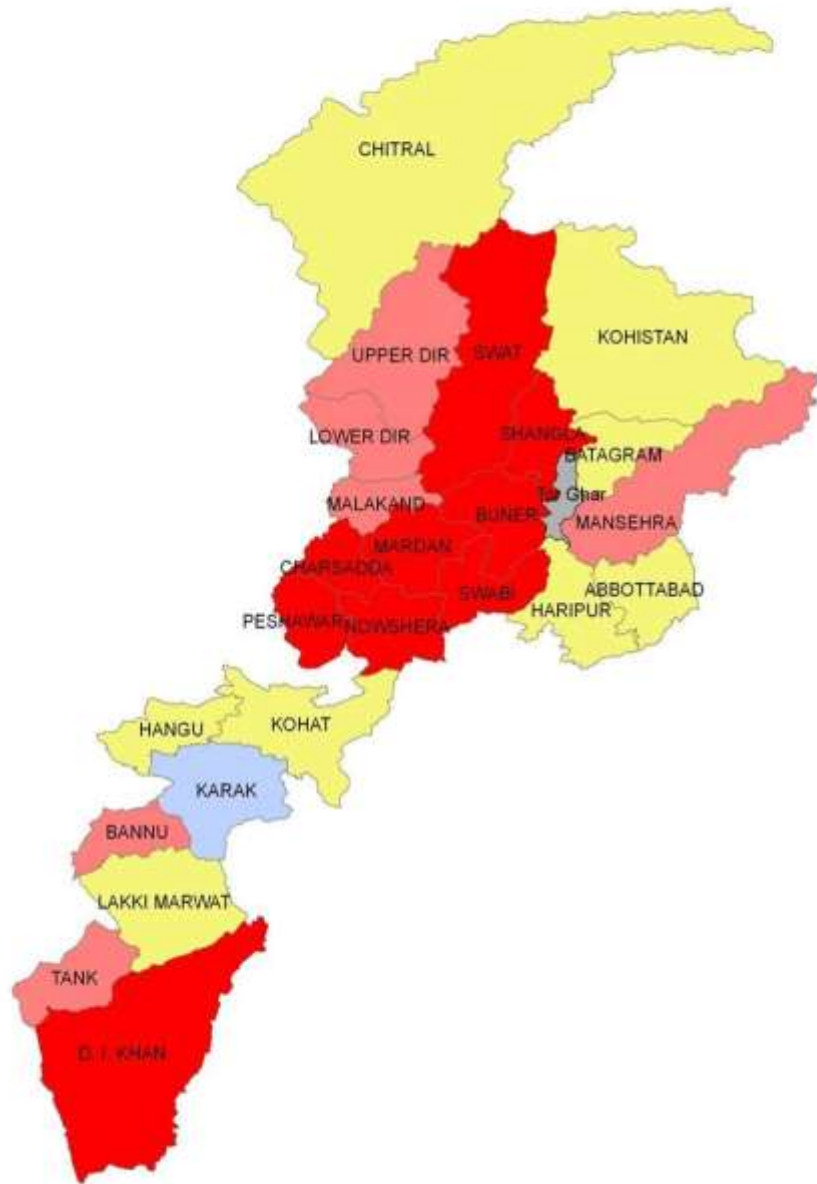
The floods in Khyber Pakhtunkhwaare generally caused by heavy concentrated rainfall in the catchments of Rivers Indus, Swat and Kabul during the monsoon season, which are also augmented by snowmelt water flows. Major floods occur in late summer (July to September) when the South Asian region is subjected to heavy monsoonal rains. Major floods in the province have occurred in 1976, 1982, 1988, 1992, 2005, 2006, 2007 and 2010.

Flash floods are also natural phenomina that continuously affect the province from the last few years during Monsoon season. Flash floods have occurred more in recent years due to changing weather patterns. While such floods are on the rise over the last couple of years because of changing weather

patterns, its humanitarian consequences are accentuated owing to absence of any viable local early warning system and the sudden onset-nature of the hazard. Moreover, most regions vulnerable to flash flooding lie outside the coverage of the early warning system deployed for riverine floods. Flash floods are experienced commonly in Swat, Upper and Lower Dir, Chitral, Shangla, Kohistan, Peshawar, Mansehra, Battagram, Mardan, Kohat and D.I Khan.

Khyber Pakhtunkhwa's peculiar physical configuration makes it vulnerable to diverse range of summer and monsoon hazards. Heavily populated districts constitute catchment areas of major rivers where their tributaries proliferate, thus creating flash floods vulnerability. Some districts are traversed by fully formed, mature rivers and they are vulnerable to spill over impact during floods. Physical configuration of northern and northeastern portion of the province is excessively mountainous spanning from Chitral up in the north to districts of Upper and Lower Dir, Shangla, Swat and Mansehra which are prone to flash flooding, cloud bursts and sliding activities. Therefore, depending on the intensity of monsoon precipitation and ice melt, Khyber Pakhtunkhwa is vulnerable to both sudden and expected hydro-meteorological disasters which require integrated surge and quick response.

Relative Severity of Flood Hazard Risk in Khyber Pakhtunkhwa
Date (04-03-2015)



Legend

Boundary

- Provincial/FATA
- District/Agency

Flood Hazard Risk

- No Risk
- Low Risk
- Medium Risk
- High Risk
- Very High Risk

Map Doc Name: Khyber Pakhtunkhwa Map
 Creation Date: 04-03-2014
 Projection/Datum: GCS_WGS_1984_D_WGS_1984
 Web Resources: <http://www.pdrta.gov.pk>
 Nominal Scale at A4 paper size: 1:3,579,000

0 15 30 60 Kilometers

Map data source(s):
 Data collected from National Disaster Management Plan Main Volume Sep 2012

Disclaimers:
 The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the NDMA, PDMA concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.



1.3 Contingency Plan for Monsoon 2015

Aim

To manage monsoon emergencies by putting in place requisite mitigation measures and a well coordinated and integrated response.

Objectives:

While encouraging stakeholder’s participation, following are the objectives set for monsoon contingency plan:

- i. To enhance the effectiveness and timeliness of emergency response.
- ii. To ensure that emergency response is coordinated, through the clarification of goals, strategies, roles and responsibilities.
- iii. To anticipate and overcome difficulties.
- iv. To strengthen response coordination between Provincial Government Departments, District Governments, Humanitarian Organizations (UN Agencies, PRCS) and INGOs/NGOs.

Scope

- i. Stakeholder's participation, awareness and mobilization through Monsoon contingency planning.
- ii. Determine disaster scenarios and corresponding caseloads.
- iii. Resource Mapping for response and identifying deficiencies.
- iv. Define sectoral response strategies, plans and coordination measures.

Lessons Learnt from Previous Floods

1.3.1 Inadequate Flood Protection Arrangements

Except for protection arrangements to protect DI Khan City along Indus, the protective arrangements across KP and FATA are not adequate in terms of extending safeguards to vulnerable populations against the flood hazard. The table below shows the limited existing flood protection arrangements in the province.

Flood Protection Arrangements

S. No.	Description	Number	Length (Km)
1	Spurs (Earthen) along Indus river in D.I.Khan	44	62.7
2	Marginal Bunds Indus River in D.I.Khan		
	i. Chashma to Village Khanpur	1	12
	ii. Khanpur to Thathal village	1	6
	iii. From Spur No 31 to 33	1	8
5	Spurs in other areas of the Province	497	23.6
6	Other Bunds	49	133.6
7	Retaining walls in gabions	96	40.4
	Total	689	286.3
Note: Twenty one No spurs in D.I.Khan have gone silent/abandoned due to construction of Chashma Barrage. Now 23 No spurs are in service.			

1.3.2 Inadequate Flood Early Warning Arrangements

Owing to non existence of floods early warning radars, the existing arrangements rely on flood gauging through telemetry system of WAPDA and some basic system of gauges deployed by the Irrigation Department Khyber Pakhtunkhwa. Very limited capacity of forecasting through this arrangement provides less time to prepare for the floods.

As a consequence of flood 2010 Irrigation Department has rehabilitated 105 numbers of old flow gauges and 16 new rain gauges. Besides, installation of 80 new flow gauges has also been completed during FY 2011-12.

1.3.3 Encroachments

Encroachment was one of the major causes of losses (both life and property) during floods of 2010 & afterwards. Intrusion of population along Panjkora, Swat and Kabul rivers, partly along Indus and the flood prone hill torrents in the North were notably responsible for the loss of life and property. Similarly, blocked and heavily encroached drainage systems of settled areas especially in Peshawar valley played major role in inundation, resultant damages and destruction.

1.3.4 Lack of Preparedness

It was noted that there was lack of monsoon preparedness and coordination mechanisms at the district and provincial level. The said factor along with inadequate resources undermined the response capacities at both the levels. The reactive response strategies at district and provincial level did help save lives and provide solaces to the flood affectees to large extent and extraordinary efforts were required to bridge the gap at that critical time.

1.3.5 Non observance of Early Warnings by General Public

An important aspect witnessed specially in Charsadda, Nowshera and Peshawar was the lack of seriousness to observe the flood early warning (s) by general public. People had tendency to stay in their homes and resisted to evacuate till flood waters completely overwhelmed and marooned them. Consequently, scarce rescue resources (boats and helicopters) were over burdened by salvage missions.

1.3.6 Insufficient Water Storage and Regulation Capacity

The water storage facilities in Khyber Pakhtunkhwa have been reduced drastically ranging from 30-70% in different storage reservoirs, mainly due to silting, which has ultimately reduced their flood mitigation capacities. In addition, the regulatory facilities i.e. Munda and Amandara head-works on Swat River sustained damages in 2010 Floods and took two years to rehabilitate. Though both of these head-works have been restored yet water flow control of 275000 cusecs¹ remains a question.

¹ Irrigation Department, Khyber Pakhtunkhwa

Pakistan Meteorological Departments' Weather Outlook (June – September 2015)

As per weather advisory of PMD, this year:-

- **Normal to below normal** Rainfall is expected in most of the areas of the KPK Province. However, keeping in view the situation weak Monsoon currents can enter the region in August, resulting in **moderate** thundershowers in North Eastern and central parts of the Province.
- During the period **moderate , strong at times , Thundershowers can occur resulting in flash flooding** in local Nallah's of Hazara Division, Peshawar , Nowshera, Lower parts of Malakand and Mardan.

1.4 Addressing Vulnerability in Monsoon Contingency Planning

It has been recongnized that the effects of disasters are more pronounced on vulnerable groups of society, such as women, children, elderly persons and persons living with disabilities. Recognizing the needs and safe guarding the rights of vulnerable groups should be taken as priority. PDMA encourages the respondents at all levels to meet the needs of the vulnerable population in an effective manner, design intervention with the needs of specific groups in mind and ensure equal access to relief in post disaster situations. For better guidance purpose some resource has been developed at NDMA and PDMA level that can be used for effective planning. The information of mentioned resources can be accessed from PDMA`s website.

- 1- Vulnerable Groups in Disasters - NDMA
- 2- Child Protection in Emergencies Coordination Mechanism – PDMA Khyber Pakhtunkhwa
- 3- Separated, Unaccompanied and Missing Children- Guidelines and Framework of Action- PDMA Khyber Pakhtunkhwa
- 4- Code of Conduct for Working with Children

Chapter-2

Hazard and Vulnerability Mapping of Districts

2.1 Scenarios and Corresponding Caseloads

In order to understand the impact of flood's projected scenarios on communities, it is vital to develop scenarios which may help in identifying:

- a. The pre-impact vulnerability conditions;
- b. Groups and segments of community that will be affected disproportionately e.g. certain occupations, income level of households, location, age & gender groups;
- c. The event-specific conditions that establishes the level of disaster impact and;
- d. Suitable emergency management actions required.

The flood impacts have mainly two dimensions i.e. physical and social. The physical impacts of disasters include casualties (deaths and injuries) and property damages, which are usually the most noticeable, easily measured, and first, reported. However, social impacts, which include psychosocial, demographic, economic, and political impacts, can develop over a longer period and can be difficult to assess when they occur. However, this contingency plan only highlights the physical impact of the anticipated flood scenario on the population.

Partial input in this scenario planning section is taken from the contingency plan of 2011. However, the corresponding caseloads to the scenario are a result of extensive consultation with district governments. This scenario development has been based on the input from NDMA, PMD and Irrigation Department.

2.2 The High Impact Scenario

The High Impact scenario corresponds to Floods 2010 with similar caseloads though its realisation seems improbable going by PMD's outlook. Nonetheless, its occurrence cannot be ruled out. However, the planning parameters will be based on the 2010 experiences.

2.3 Medium Impact Scenario

The Medium Impact scenario has been worked out as a result of extensive consultation with PMD and Irrigation Department. The Medium Impact scenario's flood assumptions approximate the 1929 Flood levels. Medium caseload for relief support is estimated at **115,020** HHs (a population of **690120**) and a population of **271187** is likely to be cut off/isolated for 10-15 days.

2.4 Planning Assumptions

The level of flood and corresponding caseload is based on the following River Water Flow assumption during 2015 Monsoons.

Table No 5: River Water Flow Assumption

Rivers	1929 Flow Level	High Impact Flood (Floods Levels 2010) ²	Medium Impact Floods (Assumed Floods Levels For 2015)
Swat – Amandara	160,000 cusecs	259,000 cusecs	150,000 cusecs
Munda	170,000 cusecs	367,000 cusecs	170,000 cusecs (<i>plus</i>)
Kabul River at Nowshera	169,000 cusecs	500,000 cusecs	200,000 cusecs
Indus	900,000 cusecs	11,000,000 cusecs	750,000 cusecs

2.5 Planned Relief Caseloads for 2015 Monsoons

Table No 6: District-wise Relief Caseloads 2015 Monsoon KP

S. No	Districts	Affected HH High floods (2010 based)	Affected HH Medium floods (Assumed for 2015)	Affected HH'' Low Floods (Assumed for 2015)
1	Abbottabad	4190	1397	466
2	Bannu	8195	2732	911
3	Batagram	1688	563	188
4	Buner	1351	450	150
5	Charsadda	63829	21276	7092
6	Chitral	826	275	92
7	Dera Ismail Khan	73982	24661	8220
8	Hangu	2807	936	312
9	Harripur	7279	2426	809
10	Karak	8083	2694	898
11	Kohat	5430	1810	603
12	Kohistan	16489	5496	1832
13	Lakki Marwat	6674	2225	742
14	Lower Dir	621	207	69
15	Malakand	3975	1325	442
16	Mansehra	5350	1783	594
17	Mardan	8218	2739	913

18	Nowshera1	60877	20292	6764
19	Peshawar	37059	12353	4118
20	Shangla	8524	2841	947
21	Swabi	1561	520	173
22	Swat	7131	2377	792
23	Tank	9009	3003	1001
24	Upper Dir	1676	559	186
25	Torghar	0	0	0
Sub Total		344824	114941	38314

2.6 Cut-off / Isolated Population

Some parts of the province may remain cutoff due to possible breaking down of communication system for 10-15 days as per details below:

Population Isolated - 2015 Monsoon (anticipated) Based on 2010 floods		
Districts	No of HHs	Anticipated Population
Swat	16,555	99331
Kohistan	6,768	40606
Shangla	11,812	70874
Chitral	10,063	60376
Total	45,198	271187

2.7 Triggers for Response:

2.7.1 Kabul and Indus River System

- Flooding/overtopping of Warsak Dam; early warning through WAPDA and Irrigation Department.
- Early Warning through the existing mechanisms.
- PMD Flood Forecasts/Warnings and Weather Forecasts.
- Flood Warnings by the Local Administration and community based mechanisms.

2.7.2 The Swat River System

- Early warning through WAPDA and Irrigation Department's early warning systems.
- PMD Monsoon forecasts of heavy precipitation in Swat River catchments that extend also into Gilgit Baltistan.
- Flood Warnings by the Local Administration and community based mechanisms.
- Monsoon weather forecasts from satellite images for flash flood (heavy rain precipitation).

Provincial Hazard Risk and Vulnerability Mapping

District Abbottabad:

1. General Information

Name of District	Abbottabad
Total Area (Sq Km)	1967 sq km
Total Population	880666 (as per 1998 census)
Existing (Projected) Population	1182000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Cap. (R) Khalid Mehmood	Deputy Commissioner	9310200	0335- 9236289	9310202	acoabbottabad@gmail.com
Mir Raza Ozghan	Assistant Commissioner Abbottabad	9310203	0342- 8550381	9310202	acoabbottabad@gmail.com

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Villages
Abbottabad	1. Abbottabad	38	153
	2. Havelian	13	55

4. Vulnerable UCs and Villages

Name	Population	Name of River/Stream /Nullah	Proposed Evacuation Center
Khel Urban	3500	Cina Laboratory Nullah	BHU Chamba
Sarbana	3500	Harro Dour	GMS Haroo Bazar
Jhangra	2300	Harro Dour	GHSS Havelian

5. Vulnerable Points/Locations

Name of Point / Locality	Address	Nature of Damages in 2010 floods	Last Damages occurrence	Proposed evacuation centre
Haroo River	Abbottabad	Haroo Villages Area	2010	GMS Haroo Bazar
Doure River	District	Havelian, Rashida,	2010	GHSS Havelian

Havelian Area	Abbottabad	Chamba and Sultanpure		Village, Rashida, BHU Chamba
Jab Nullah	District Abbottabad	Orush Area	2010	Tent camp at Orush Area

6. Health Facilities

Name	Address/ Contacts	No. of Doctors	No. of Nurses /Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Abbottabad	09929310191	66	124/101	220	03
RHC Lora	0314-5207696	02	08	40	01
RHC Kalapani	0300-9114314	01	05	14	01
RHC Mohribed Behn	0347-9359502	01	02	14	01

7. Earl Warning System

S.No.	Existing EWS	Location/ Address	Condition (Workable /Non Workable)	Needs/ Gaps	Recommendations
1.	NIL	NIL	NIL	NIL	NIL



Map of District Abbottabad

District Bannu:

1. General Information

Name of District	Bannu
Total Area (Sq Km)	1228 sk
Population (1998 Census)	977212
Existing (Projected) Population	1182000

2. Administrative Profile

Tehsil	No. of Union Councils	No. of Villages	UC Population
Bannu	49	--	677346
Domel		--	

3. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Muhammad Ayaz	Deputy Commissioner	0928-9270079	0342-6668883	0928-9270032	--
Captain (R) Aurangzeb	Assistant Commissioner/ DDMO	0928-9270039	03335480546	--	--

4. Vulnerable UC s and Villages

Name	Population	Name of River/Stream /Nullah	Proposed Evacuation Centers
Bekka khel	12522	Kurrom River, Tochi River, Nullah Kasho, Nullah Dowa, Nadi Lora	GPS Bekka khel
Takhthi khel	15624	-Do -	GPS Takhthi khel
Nurar	11770	-Do -	GPS Nurar
Haved	17795	-Do -	GPS Haved
Mamand khel	13203	-Do -	GPS Mamand khel
Amandi	12447	-Do -	GPS Amandi
Slima sikander khel	12596	-Do -	GPS Slima sikander khel
Jandu khel	10920	-Do -	GPS Jandu khel
Shamshi khel	16107	-Do -	GPS Shamshi khel
goriwala	14113	-Do -	GPS goriwala
Baar ahmed khan	12596	-Do -	GPS Baar ahmed khan

Koti sadat	11361	-Do -	GPS Koti sadat
Kot Kalander	14744	-Do -	GPS Kot Kalander
Fatama khel	17952	-Do -	GPS Fatama khel
Shah baz azmat khel	10753	-Do -	GPS Shah baz azmat khel
Asperka waziran	20369	-Do -	GPS Asperka waziran
Khander khankehl	17914	-Do -	GPS Khander khankehl
Arel hoti khel	16384	-Do -	GPS Arel hoti khel
Domel	16434	-Do -	GPS Domel
Bezan khel	19120	-Do -	GPS Bezan khel
Ziraki pirba khel	18462	-Do -	GPS Ziraki pirba khel



Map of District Bannu

District Battagram:

1. General Information

Name of District	Battagram
Total Area (sq km)	1500 (sq km)
Total Population (1998 census)	361000
Existing (project)	455000

2. Important contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Zarif ul Maani	Deputy Commissioner	0997 310136 0997 310051	0333950664 9	0997 310030	
Yasir Ali Khan	DDMO	0997310391 0997311030	0300 5959407	do	acbattagram@hotmail.com
Abdul Majid Khan	Incharge Control Room	0997 311030	0300564522 0	do	abdulmajidkhanddmugmail.com

3. Administrative

Sub Division	Tehsil	No of UCs	No of village councils
02	Battagram	12	1.Total no of village councils 79
	Allai	08	2. Neighborhood Councils 11

4. Vulnerable UCs

Name	Population	Name of River/Stream/Nallah	Proposed Evacuation Centers
Thakot	38436	Indus River	GMS Thakot City
Trand	11749	Machai khowar	GHS Chinar Dab
Peshora	12754	Sarori khowar	BHU Madan
Gijbori	14543	Nandiyar khowar	GHS Gijbori
Kuzabanda	16912	Tikri khowar	Technical College Kuzabanda
Sakerga	18164	Allai khowar	GHS Banna
Rashing	16396	Rashing khowar	GHS Banna
Pashto	13306	Pashto khowar	GHS Banna

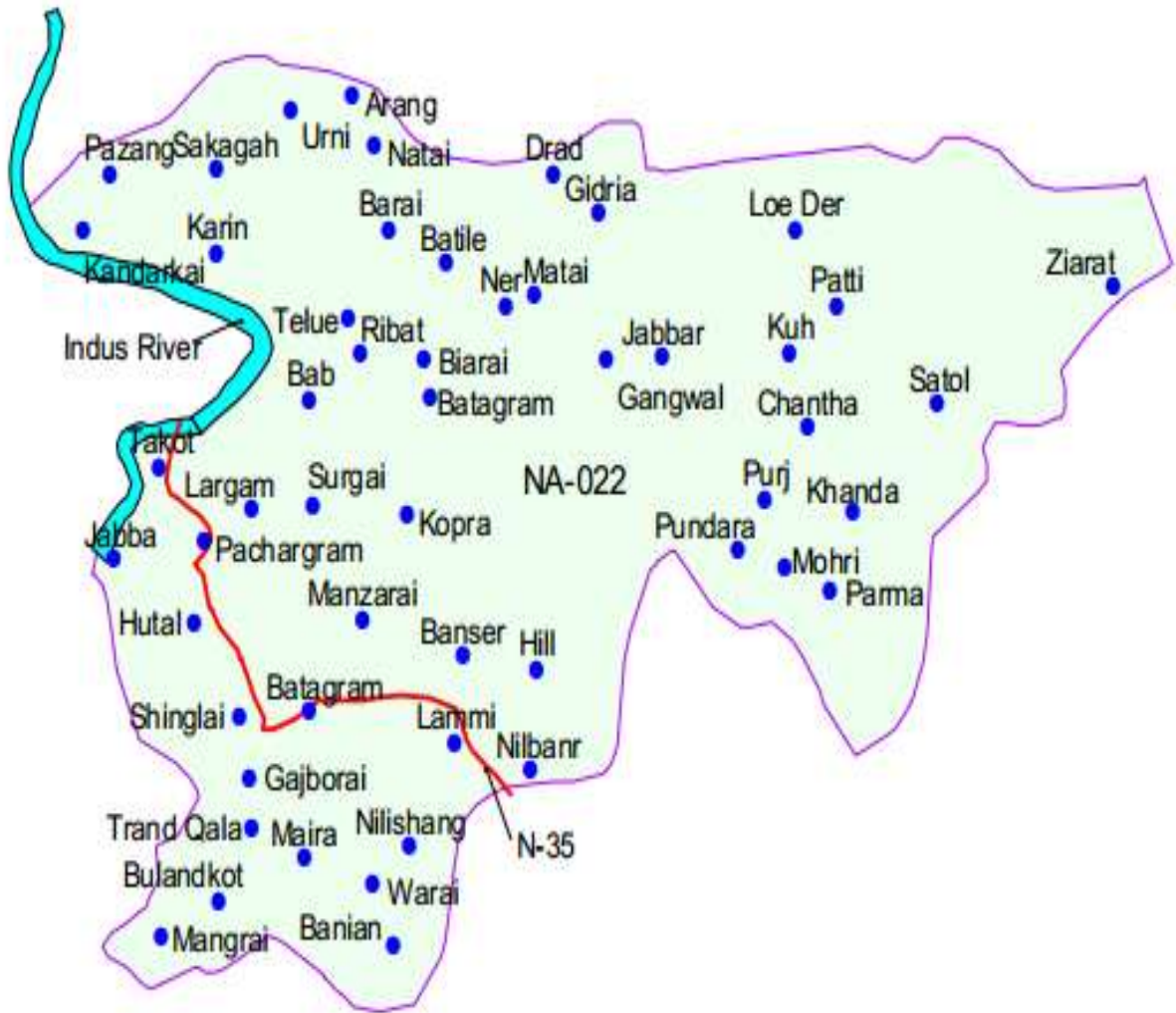
5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Flood	Last Damages occurrence	Proposed Evacuation Centers
Sofiyan	Kuzanada	Houses were washed away by the	2010	GHS, Kuzabanda

		flood 2010		
Pirhari	UC Trand	11 people were died due to Land sliding	2010	GHS, Pirgari
Rashing	Rashing	Houses were affected due to flood in 2010	2010	GHS, Banna
Sachbiyar	Bathkool	Land sliding/flooding	2010	BHU,Thakot

6. Health Facilities

Name	Address/Contact	No. of Doctor	No. of Nurses/Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital (s)	Nil				
DHQ (S)	Main Bazar Battagram	13	35 Nurses, 40 Paramedics	134	03
THO Allai	Banna Allai	5	13	25	01
RHC Kuza Banda	Kuzabanda	02	08	16	01
RHC Thakot	Thakot	02	08	16	01



Map of District Battagram

District Buner:

1. General Information

Name of District	Buner
Total Area (Sq Km)	720.08 (Sq. Km)
Total Population	506,048 (1998 Census)
Existing (Projected)	9,37000

2. Important Contacts

Name	Designation	Contact information			
		Office	Cell	Fax	e-mail
Khaista Rehman	Deputy Commissioner	0939-510450	0345-9176883	0939-510427	Nil
Shehryar Gul	DDMO	0939-510234		Nil	Nil
24 hour duty of all DC staff	Incharge Control Room (if any than DDMO)	0939-510450	Nil	0939-510427	Nil

3. Administrative Profile

Sub Division	Tehsils	No. of Union Councils	No. of Village Councils
Daggar	Daggar	27	105
	Gadezai		
Gagra	Gagra-I		
	Gagra-II		
	Chagharezi		
Khadukhel	Khadukhe		
	Totalai		
Mandanr	Mandanr		
	Chamla		

4. Vulnerable UCs

Name of UC	Population	Name of River/stream/Nullah	Proposed Evacuation Centers
Rega	13,355 (census 1998)	Barandu Sunigram River Bablay Nullah	Government degree college Daggar.
Gokand	8,313 (Census 1998)	Gokand Stream	Govt; School Gokand
Pir Baba	15,786 (Census 1998)	Elum Mountain Stream	GMS Pir baba

5. Health Facilities

Name	Address	Contact	No. of Doctors	No. of Nurses/ Paramedics Staff	No. of Beds	Ambulance available
DHQ Hospital Daggar	Daggar	0939-510223	39	126	200	05
RHC (s)	Jowar	0314-5754365	04	10	10	01
	Dewana Baba	0333-9691942	04	09	10	01
	Sar Qala	0343-9590940	01	06	10	01
	Nagrai	0342-9662552	03	04	10	Nil

6. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages	Last Damages Occurrence	Proposed Evacuation Centers
Elum Mountain PirBaba	Buner	Floods	---	GHS, Pir Abay
Village Rega	Buner	Floods	---	GHS, Sowari
Gokand	Buner	Floods/Land Sliding	---	GHS,Daggar Kalay

7. Early Warning Systems (EWS)

Existing Early Warning System	<ol style="list-style-type: none"> 1. Mosque announcement 2. Revenue Staff 3. Poloce Stations (Control Room)
Gaps Of Early Warning System	<ol style="list-style-type: none"> 1. Moblie Network is not very efficient in far flung area. 2. Some area is too remote and inaccessible.



Map of District Buner

District Charsadda

1. General Information

Name of District	Charsadda
Total Area (Sq Km)	996 (Sq km)
Total Population (1998 Census)	1.02 Million (1998 census)
Existing (Projected)	1.7 Million (Projected)

2. Important Contacts

Designation	Name	Contact Information			
		Office	Cell No.	Fax	Email
Deputy Commissioner	Mr. Fazal Rehman	091-9220024-21	0300-5908162	091-9220021	dccharsadda@gmail.com
AC/DDMO Charsadda	Noor Wali Khan Wazir	091-9220137	0347-5000002	091-9220021	-do-
Focal Person in District Control Room	Noor Wali Khan Wazir	091-9220137	0347-5000002	091-9220021	-do-

3. Administrative Profile

Sub Divisions	Tehsil	No. of Union Council	No. of Village councils
Charsadda	Charsadda	25	75
Tangi	Shabqadar	12	36
	Tangi	12	35

4. Vulnerable UCs

Name	Population (1998 Census)	Name of River/Stream/Nullah	Proposed Evacuation Centers
Agra	20509	River Kabul(Sardaryab)	Govt Post Graduate College Charsadda
Rashakai	15786	River Kabul(Sardaryab)	GHS Rahmat Khan Koroona
Hasanzai	22150	River Kabul(Sardaryab)	GHS Halimzai
Hajizai	20450	River Kabul(Sardaryab)	GHS Shabqadar
Daulatpura	24366	River Kabul(Sardaryab)	GMS Daulat Pura
Battagram	26717	River Kabul(Sardaryab)	GHS Shabqadar

Kangra	23289	River Kabul(Sardaryab)	Govt Boys Degree College Shabqadar
Panjpao	24935	River Kabul(Sardaryab)	GHS Attakai
Nisatta	24882	River Swat (Khyali)	Bacha Khan University, Charsadda
Dheri Zardad	22730	River Swat (Khyali)	GMS Dheri Zardad
Tarnab	15926	River Swat (Khyali)	GMS Kot, Charsadda
Mirzadher	19345	River Swat (Khyali)	GMS Tarkha Faqir Abad
Abazai	22053	River Swat (Khyali)	Govt Degree College Tangi, Charsadda
Katozai	22153	River Swat (Khyali)	Govt Boys Degree College Shabqadar
MC-I Charsadda	21225	Jindi Nullah	GPG College for Boys, Charsadda
MC-II Charsadda	24398	Jindi Nullah	GPG College for Boys, Charsadda
MC-III Charsadda	21636	Jindi Nullah	Govt Girls Degree College, Charsadda
MC-IV Charsadda	19959	Jindi Nullah	Govt Girls Degree College, Taji Bibi
Rajjar-I	25083	Jindi Nullah	GHS No.1 and No.2 Rajjar
Utmanzai	24757	Jindi Nullah	GHS No.2 Utmanzai
Turangzai	20066	Jindi Nullah	GHS Turangzai
Sherpao	18284	Jindi Nullah	GHSS Sherpao
Hisara Yaseenzai,	22779	Jindi Nullah	GHS No.1 Charsadda
Umerzai	23956	Jindi Nullah	GHSS Umarzai

5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Dherizardad	Dherizardad Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill and Paper Mill
Agra	Agra Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Safar Khel	Safar Khel Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Shiekh Kalay	Shiekh Kalay Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Daulatpura	Daulatpura Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
MC-I	MC-I Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.P.G.College Charsadda
MC-III	MC-III Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
MC-IV	MC-IV Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Gunda Karkana	Gunda Karkana Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill and Paper Mill
Prang Yasinzai	Prang Yasinzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Chik Charsadda	Chik Charsadda Charsadda	Houses Damaged and Families Displaced	Flood 2010	DHQ Hospital
Nawan Killi	Nawan Killi Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Chek Nisatta	Chek Nisatta Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill
Maira Prang	Maira Prang Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Babara
Shabara	Shabara Charsadda	Houses Damaged and Families Displaced	Flood 2010	Moter Way Charsadda
Sukkur	Sukkur Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Maira Nisatta	Maira Nisatta Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill
Nisatta	Nisatta Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill and Moter Way
Dheri Samandar	Dheri Samandar Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Gari Mukaram Khan	Gari Mukaram Khan Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Ghurambak	Ghurambak Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Sandasar	Sandasar Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
UC Utmanzai	UC Utmanzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Utmanzai
UC Turangzai	UC Turangzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Turangzai
Utmanzai	Utmanzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	Committee Ground and G.H.S No.2 Utmanzai
Maira Rajjar	Maira Rajjar Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.M.S Ameer Abad Rajjar and G.H.S No.2 Rajjar
Shahdhand	Shahdhand Charsadda	Houses Damaged and Families Displaced	Flood 2010	Shugar Mill
Qalat Naseer	Qalat Naseer Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Shakardhand	Shakardhand Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Dargai	Dargai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Mani Khela	Mani Khela Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Behlola	Behlola Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Shah Kulali	Shah Kulali Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Turnab
Gazgai	Gazgai Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt.School

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Sirki Titara	Sirki Titara Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Maira Turangzai	Maira Turangzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Turanzai
Chek Turangzai	Chek Turangzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Muhammad Nari	Muhammad Nari Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Chek Utmanzai	Chek Utmanzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	Committee Ground
Tarnab	Tarnab Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Turnab
Akhundheri	Akhundheri Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Mufti Abad	Mufti Abad Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Khanmai	Khanmai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Umerzai	Umerzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Umerzai
Chik Rajjar	Chik Rajjar Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S No.1 Rajjar
Maira Umerzai	Maira Umerzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.G.H.S Umerzai
Abazai	Abazai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Tangi
Mirzadher	Mirzadher Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Mirzadher (Dildar Ghari)	Mirzadher (Dildar Ghari) Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Mirzadher (Daulatpura)	Mirzadher (Daulatpura) Charsadda	Houses Damaged and Families Displaced	Flood 2010	Station Korona
Sherpao	Sherpao Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Tangi Nasratzai	Tangi Nasratzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Tangi and G.P.S Tangi
Jura	Jura Charsadda	Houses Damaged and Families Displaced	Flood 2010	Area Sro and Station Korona
Namo	Namo Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Hawara	Hawara Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Quaid Abad	Quaid Abad Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Tangi and G.P.S Tangi
Dobandi	Dobandi Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Hiasra Nehri	Hiasra Nehri Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.P.S Gulabad Tangi
Dhakki	Dhakki Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Tangi and Station Korona
Ziam	Ziam Charsadda	Houses Damaged and Families Displaced	Flood 2010	Sro Area and Station Korona
Ghandheri	Ghandheri Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Shodag	Shodag Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Amir Abad	Amir Abad Charsadda	Houses Damaged and Families Displaced	Flood 2010	Local Govt School
Baribandan	Baribandan Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Hisara Payan	Hisara Payan Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Barazai	Barazai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Kuz Behram Dheri	Kuz Behram Dheri Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Hajizai	Hajizai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S.Hajizai
Tarkha	Tarkha Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Kangra	Kangra Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Gonda	Gonda Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Matta Hamza Kheil Palangzai (MMKhel)	Matta Hamza Kheil Palangzai Charsadda (MMKhel)	Houses Damaged and Families Displaced	Flood 2010	G.H.S Shabqadar
Panjpao	Panjpao Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Dalazak	Dalazak Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Meerzai Nusratzai Sokhta (Hassanzai)	Meerzai Nusratzai Sokhta (Hassanzai Charsadda)	Houses Damaged and Families Displaced	Flood 2010	G.P.S Shabqadar
Sokhta	Sokhta Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Nusratzai	Nusratzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
UCMC-III Panjpao, Atakai	UCMC-III Panjpao, Atakai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Shabqadar
MC-I,II Shabqadar	MC-I,II Shabqadar	Houses Damaged and Families	Flood 2010	-do-

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
	Charsadda	Displaced		
Yaghiband, Haryana, Bakyana, UC Kangra	Yaghiband, Haryana, Bakyana, UC Kangra Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Matta Rustam Khel, Kabalay, UC MMKhel	Matta Rustam Khel, Kabalay, UC MMKhel Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Mola Khel UC Hassanzai	Mola Khel UC Hassanzai Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.P.S Hassan Zai, Shabqadar
Katozai UC Katozai	Katozai UC Katozai Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Katozai Bala	Katozai Bala Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Katozai Halqa, Malik Abad near Garhi	Katozai Halqa, Malik Abad near Garhi Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
UC Battagram	UC Battagram Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Shabqadar
UC Hajizai, Halqa Ocha wala, Mahzara	UC Hajizai, Halqa Ocha wala, Mahzara Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Haji Zai, Shabqadar
UC Daulatpura, Halqa Kharakai, Nahqai, Shabqadar	UC Daulatpura, Halqa Kharakai, Nahqai, Shabqadar Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Shabqadar
UC Battagram, SrieKh, Marozai, Shabqadar	UC Battagram, SrieKh, Marozai, Shabqadar Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Katozai Payan Bela – 4	Katozai Payan Bela – 4	Houses Damaged and Families Displaced	Flood 2010	-do-
Bela	Bela Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Rashakai	Rashakai Charsadda	Houses Damaged and Families	Flood 2010	G.H.S Shabqadar

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
		Displaced		
Marozai Battagram Shabqadar	Marozai Battagram Shabqadar Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Mandeza Shabqadar	Mandeza Shabqadar Charsadda	Houses Damaged and Families Displaced	Flood 2010	-do-
Sriekh Battagram	Sriekh Battagram Charsadda	Houses Damaged and Families Displaced	Flood 2010	G.H.S Haji Zai Shabqadar

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses/Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital(s)	Charsadda/091-9220157	45	63	270	6
DHQ(s)	Tangi/091-6555781	14	24	80	2
Category "C" Hospital	Shabqadar/091-6282834	20	15	110	2
RHC/Cat "D" Hospital	Jamal Abad/091-6640114	6	3	40	2
RHC	Battagram/0322-9040208	1	0	14	2
RHC	Sherpao/0300-9348868	3	0	14	1

7. Early Warning System (EWS)

S.N	Existing EWS	Location/ Address	Condition (Workable/Non-Workable)	Needs/ Gaps	Recommendations
1	FM Radio	FM 93 Charsadda	Workable		
2	Siren	MC Charsadda	Workable		
3	Loud speakers of local Mosques. Volunteers of the vul sites have been trained in this regards.	Villages near to river beds (Civil Defence Office Charsadda)	Exist trained volunteers	4 Numbers of Electric Sirens	Electric Sirens/ Manual Sirens Should be installed in every Tehsil of the District.



Map of District Charsadda

District Chitral:

1. General Information

Name of District	CHITRAL
Total area (Sq Km)	14850
Total Populations (1998 Census)	3,19,000
Existing (Projected)	4,90,000 (Appx)

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mr. Aminul Haq	Deputy Commissioner	0943-412055	03005871094	0943-412421	ddmu.chitral@gmail.com
Mr. Saad Nawaz Qasarani	AC/DDMO	0943-413686	03345133005	0943-413686	sindsparrow@gmail.com

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Village councils
Chitral	Arandu	1	33
	Drosh	4	103
	Chitral	6	164
	Lotkoh	3	80
Mastuj	Mulkhov	3	92
	Torkhov	3	54
	Mastuj	3	79

4. Vulnerable UCs

Name	Population	Name of Rivers/Streams/Nullahs	Proposed Evacuation Centers
Shishikoh	12511 (appx)	Shishikoh Nala	GHS Tar Shishi Koh
Mastuj	23030 (appx)	SorlaspurNala, Broke Nala, Raman Nala, HerchinNala, BrepNala, IstichNala, KhruzBalaNala, ChinarNala, PasumNala, SarghuzNala, KhotNala, DizghNala,*ParkusapNala,AndagachKhot,	GHS Laspur, any Government installment nearby which will be identified as Safe

		YakhdezGol, RamtichGol, UjoGol, *GhoruNala, *ShichNala, *YarkhoonLashtNala, *DivesarNala, *WasumNala. (2010 flood (damage 80%) *Potential Flood	heaven by the District Admn on emergency grounds.
Chitral-I and II, Ayun	11282 + 176013+ 17985	AyunNala, *MolenGol, OchustNala, Rumboor, Birin&BumbrateNala,JughoorGol,*Mori Gol, ChitralGol, River bank near Airport, River bank Jutilasht, River Bank Ayun	GHS Bumbrate, Kalasha Community Centre
Lotkoh	24000	*Tehsil Lotkoh: BegustTogshilGol, ChinchorGol, *IshpalangaGol, *MuxoLangoGol, *MonorGol, *AwlanGol, *MushainGol, *ChephokhtGol, *AwshekGol, *MurdanGol, *XeturGol,BhetiGol, Rabat Gol, AkichGol, DirGol, Behixog, AwiratGol, karimabadGol, DamilNala, AranduGol, Ashirate	Government installations
Drosh- I and II	12500	*DroshGol,BooniGol,*KaldamGol,Shishikoh Nala, *JingerateKohNala,	

5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Bumbrate	Kalash velly	House damage, Infrastructure, Livestock	2010. 2012, 2014	GHS Bumbrate, Kalasha Community Centre
Reshune	Reshun Tehsil Mastuj	House damage, Infrastructure, Livestock, Bridges, Schools.	2010, 2013 (GLOF)	BHU and Govt Schools
Booni	Booni HQ Mastuj	-do-	2010 (GLOF) 2013 (FF)	As above

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital(s)	NA	NA	NA	NA	NA
DHQ Hospital Chitral	Shahi Fort Road 17200, Chitral. Ph# 0943-412142, 0943-412634 MS Dr. Noorul Islam, Cell# 0333-954-8328 0302-5925417	37	58 nurses, 74 Para staff	200	02 Ambulances with Govt. and 2 Private

THQ Hospital Drosh	Main Bazaar Dorsh, Thsil Drosh District Chitral Ph# 0943-480180	08	35 Paramedics and 05 Nurses	36	01 Ambulance
THQ Hospital Booni	THQ Hospital Booni Thesil Mastuj Chitral Ph# 0943-470777 / 470344	05	02 Nurses 16 Paramedics	34	01 Ambulance
THQ Hospital LotKoh Managed by AKHSP	THQ Hospital GaramChashma Lotkoh Chitral Ph# 0943-412633 (AKHSP)	02	10 Para Medics	10	01 Ambulance
RHCs					
RHC Arandu	Arandu Village, Thesil Arandu District Chitral Ph# 0943-400204	01	01 P/medics	05	00
RHC Koghuzi	Village Koghuzi Tehsil and District Chitral UC Koh Ph# 0943-307981	01	01 P/Medics	05	01 Ambulance
RHC Mastuj Chitral with AKHSP Chitral	Mastuj Village Tehsil MAstuj District Chitral Ph#	01	01 P/Medics	05	01 Ambulance
RHC Shagram with AKHSP Chitral	Village Shagram Tehsil Torkhow District Chitral Ph# 0943-476074	01	01 P/Medics	05	01 Ambulance
RHC Drosh Chitral	Village Drosh Tehsil and District Chitral 0943-480180	01	01 P/Medics	05	01 Ambulance
(6) RHC Ayun Chitral	Village Ayun Chitral District Chitral Ph# 0943-490066	01	-do-	05	1 Ambulance
(7) RHC Drasun	Village Drasun Thesil Mulkhow Ph# 0943-322127	01	-do-	05	00
BHUs					
BHU Ashirate (KPHI)	Dr Mukhtar I/C BHU Ashirate Drosh Chitral Ph# 0943-482011	01	00	00	00
BHU Nagar	Abdur Rauf MT I/C Nagar Drosh Tehsil and District Chitral Ph# 0943-307699	00	01	00	00
BHU Kesu	Dr. Muzaffar Ali, I/C Kesu BHU, Village Kesu Tehsil Drish Chitral Ph# 0943-304887	01	00	00	00
BHU Tar Shishi Koh	Dr. Abdur Rehman i/c BHU Tar Shishi Koh Theisl and District Chitral	01	00	00	00
BHU Broze Village	Dr. Khalid Ahmadf i/c BHU Broze Village Tehsil and District Chitral	01	00	00	00

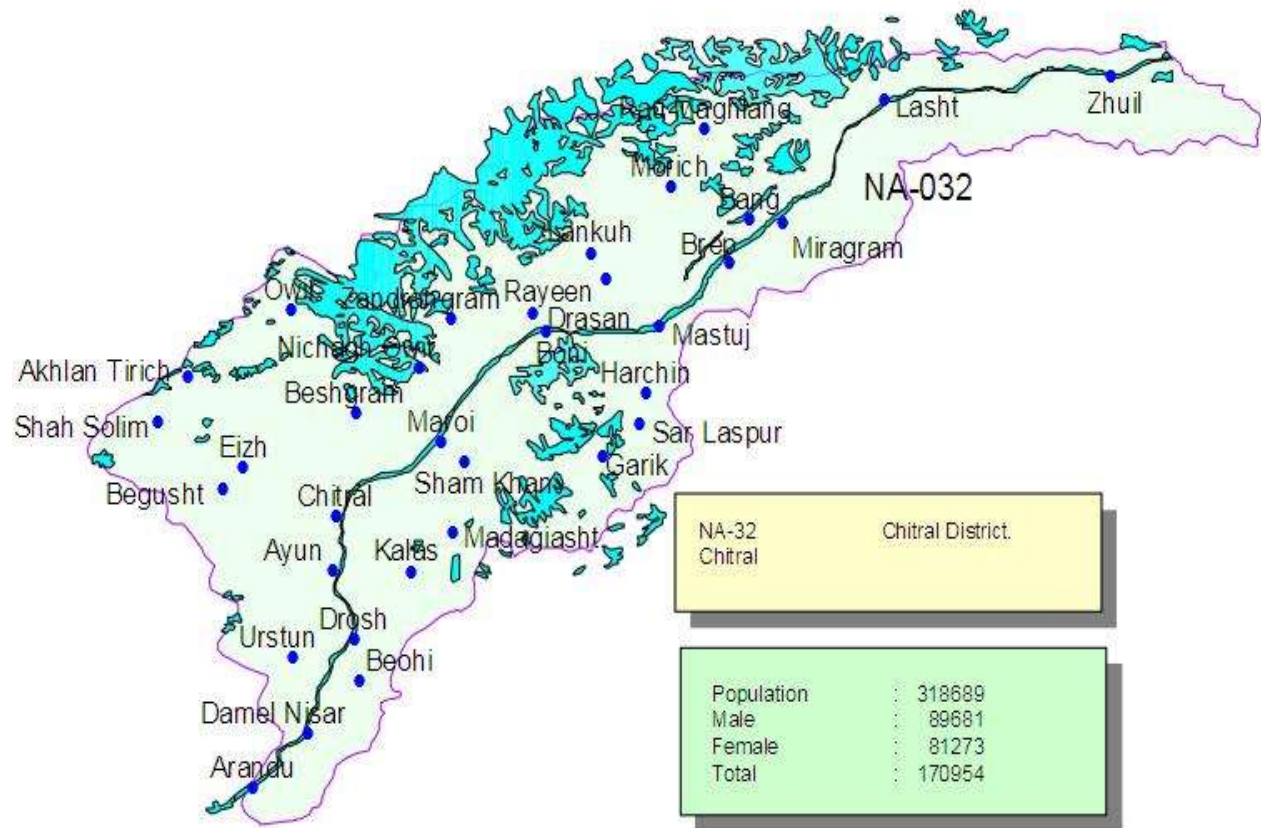
	Ph# 0943-301291				
BHU Moroi Village	Dr. Muhammad Idrees i/C BHU Moroi tehsil and District Chitral Ph# 0943-307790	01	00	00	00
BHU Reshune Village	Dr. Niaz Ahmad I/C Reshune BHU, Village Reshune Tehsil Mastuj District Chitral Ph# 0943-484281	01	00	00	00
BHU Kosht Village	Dr. Haroon i/C BHU Kosht Village Kosht Tehsil and District Chitral Ph# 0943-330251	01	00	00	00
BHU Shogush Oveer	Sher Abdullah (MT) I/C BHU Shongush Village Shongush Oveer Thesil Mulkhov District Chitral Ph# 0943-402025	00	01	00	00
BHU Nishkoh	Ibrahimullah i/C BHU Nishkow Thesil Mulkhov District Chitral Ph# 0943-304442	00	01	00	00
BHU Khot Torkhow	Haider Hussain (MT) I/C BHU Khot Tehsil Torkhow District Chitral Ph# NIL	00	01	00	00
BHU Rech	BulBul Ali (MT) i.c BHU Rech Teshil Torkhow District Chitral Ph# 0943-032430	00	01	00	00
BHU Zondangram	Rehmat Wazir Uddin i/C BHU Zondangram Theisl Mastuj District Chitral Ph# 0943-NIL	00	01	00	00
BHU Brep	Syed Inayat (MT) BHU Brep, Tehsil Mastuj District Chitral Ph# 0943-345734	00	01	00	00
BHU Laspur	Liaqat (MT) i/C BHU Laspur Tehsil Mastuj District Chitral Ph# 0943-330245	00	01	00	00
BHU Shoghore	Sanaullah (MT) i/c BHU Shoghore Tehsil Lotkoh District Chitral Ph# 0943-301167	00	01	00	00
BHU Bumborate	Dr. Wali Khan i/c BHU Bumborate Kalash Valley Distirct and Tehsil Chitral	01	00	00	00

	Ph# 0943-NIL				
BHU Gobore	Sultan Muhammad (MT) i/c BHU Gobore Village Tehsil Lotkoh District Chitral Ph# 0973-NIL	00	01	00	00

7. Early Warning System (EWS)

S.No	Existing EWS	Location/ Address	Condition (Workable/ Non-Workable)	Needs/ Gaps	Recommendations
1	Pakistan MET Office Chitral	Met Office Garamchashme Road Balach Tehsil and District Chitral	Workable/ active functional	Required further technical facilitation	PMD have equipped the stations with sophisticated machines by the help of Pakistan GLOF Project and they are forecasting real time data / weather alerts, also established Real Time Automatic Weather (RTAWS) stations on various mountainous areas, and data have also been shared with DDMU Chitral.
2	Chitral Scouts Posts	HQ Chittal Scouts Chitral and (Posts Located on various remote valleys)	Workable	NIL	In communication with DDMU
3	Chitral Levies Posts	HQ Chitral Levies Chitral and posts Located on the borders	Workable	Required further awareness / trg for message dissemination	NA
4	Irrigation Deptt:	XEN Irrigation Department Chitral Near DHQ Hospital Chitral (Flood Control Room and focal persons on various points to measure the river discharge)	Workable	Required to install further automatic real time river gauges on various points on Chitral River	This will impact the Flood Control mitigation measures to the communities living downstream / river catchment areas of KP.
5	WAPDA	RE Power House Chitral (the data	Workable	NIL	They are not sharing the data relating to

		have been collected field staff and directly send to WAPDA House Lahore)			the river discharge with DDMU, due to some official privacy and other related reasons
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Map of District Chitral

District Dir Lower

1. General Information

Name of District	Dir Lower
Total Area (Sq Km)	1583
Total Population (2014)	1.544 million
Existing (Projected)	1284203

2. Important Contact

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Muhammd Sohail	DC	0945-9250001/03	03321714723	0945-9250003	dcdirlower@gmail.com
Muhammad Ayaz	DDMO	0945-9250029	0345-8078320	-do-	
Incharge Control Room (If any)		0945-9250002		-do-	

3. Administrative Profile

Sub Division	Tehsil	No. of UCs	No of Villages
Timergara	Timergara	07	176
	Khall	03	
	Balambat	05	156
Adenzai	Adenzai	08	225
Lalqila	Lalqila	05	159
Samarbagh	Samarbagh	06	197
	Munda	03	142

4. Vulnerable UCs

Name	Population	Name of River/Stream	Proposed Evacuation Centre
Khall	20920	River Panjkora	GHS Khall
Khungi	20288	River Panjkora	GHS Khungi
Timergara	19331	River Panjkora	GHS Timergara
Balambat	22581	River Panjkora	GHS Balambat
Khadagzai	18172	River Swat	GHS Khadagzai
Chakdara	21982	River Swat	GHS Chakdara
Badwan	21930	River Swat	GHS Badwa

5. Vulnerable Points / Locations

Name of Point /Locality	Address	Nature of Damages Occurred	Last Damages	Proposed Evacuation Centre
Khall Bazar	U/C Khal	Shops, some houses and crops were damaged	2010	GHS Khal
Kungi	U/C Khungi	Crops and Agriculture Land were damaged	2010	Settlements are located on safe place
Timergara	Urban Council Timergara	Shops, buildings, Crops, agriculture land were affected	2010	Settlements are located on safe place
Blambat	U/C Balambat	Crops and Agriculture Land were damaged	2010	Settlements are located on safe place
Khadagzai	U/C Khadagzai	Crops and Agriculture Land were damaged	2010	Settlements are located on safe place
Chakdara	U/C Chakdara	Crops and Agriculture Land were damaged	2010	Settlements are located on safe place
Badwan	U/C Badwan	Crops and Agriculture Land were damaged	2010	Settlements are located on safe place
Tawda China	U/C Khadagzai	Houses, Shops, crops and agriculture land were damaged	2010	GHS Tawdachina

Note. Major settlements in Dir Lower are located on high altitude. In 2010 agriculture land, crops and infrastructure were damaged.

6. Health Facilities

Name	Address/ Contact	No. of Doctors	No. of Nurses/Paramedics	No. of Beds	Ambulances
Teaching Hospitals					
DHQ	Timergara Dir Lower /0945-9250099(0343-9723638)	67	72/134	380	05
RHCs Khal	Khal (0300-5833780)	1	8	20	01
RHC Asbanr	Asbanr (0344-9316080)	1	7	20	01
RHC Ouch	Ouch (0345-6269780)	03	9	20	01
RHC	Gul Abad /0945-762310	2	8	25	01

7. Early Warning System

S.No.	Existing EWS	Location/Address	Condition (Workable /Non-workable)	Needs/Gaps	Recommendations
<p>To monitor the flood level automatically no machinery or equipments available in the district, however, the DDMO being focal person and incharge of Flood Control Room get the information though telephone/ mobile message from Flood Cell Deptt: Irrigation Deptt: Dir Upper and PDMA. If there is alarming situation the District Administration informs/ alerts police, line departments and other stakeholders and announce message though FM Rokhan radio.</p>					



Map of District Dir Lower

District Upper Dir

1. General Information

Name of District	District Upper Dir
Total Area sq(km)	3,699 sq.km
Total Populations (1998 Census)	899,000 approximately for confirmatio
Existing (projected)	899,000 approximately

2. Important Contacts

Name	Designation	Contact Information			
		Offices	Cell	Fax	Email
Dr. Imran Hamid Sheikh	Deputy Commissioner	0944-880394	0300-9669334	0944-881130	dcdirupper@gmail.com
Mr. Khawaja Faheem Sajjad	DDMO	0944-880506, 0944-880278	0312-5757159	-do-	profound.thinker@yahoo.com
	Incharge Control Room, (If other than DDMO)	-			

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Villages council
Dir	Dir and Barawal	12	65
Wari	Wari	09	36
Sheringal	Kalkot	07	16

4. Vulnerable UCs

Name	Population	Name of River/Stream/Nullah	Proposed Evacuation Centers
Akhagram	30205	Panchkora	GHS Wari
Dislawar	35435	Panchkora	BHU Wari
Palam	30149	Usherai Stream	GHS Gandigar
Doag Dara	33250	Doag Stream	Sheringal
Kalkot	25530	Kohistan Stream	Patrak

5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Akhagram	Sub division wari	Deaths and casualties	2010	Govt:Degree College, Wari
Sahib Abad	Sub division wari	Deaths and casualties	2010	Do
Muha Dab	Sub division wari	Deaths and casualties	2010	Do
Palam	Sub division Dir	Deaths and casualties	2010	GHS Gandigar
Doag	Sub division Sheringal	Deaths and casualties	2010	GHS Sheringal
Thall	Sub division Sheringal	Deaths and casualties	2010	GHS Patrak
Lamothai	Sub division Sheringal	Deaths and casualties	2010	GHS Patrak

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses/ Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital(s)	-				17
DHQ(s)	Dir / 0944-881012	20	66	268	
RHC(s)	Tarpatar	01	07	20	
	Bibyawar Sheringal	03 01	07 02	20 20	

7. Early Warning System (EWS)

S.No	Existing EWS	Location/address	Condition (workable/ Non-Workable)	Needs/Gaps	Recommendations
1				Currently there is no availability of EWS, hence it is direct requirement of 5 to 6 Early Warning Alarm in the District, moreover any other device regarding EWS with wide range with the help of NGOs intervening in Disaster Management may serve the purpose.	



Map of District Dir Upper

District Dera Ismail Khan:

1. General Information

Name of District	DI Khan
Total Area (Sq Km)	7326 Sq Km
Total Population	1,380,163 (1998 Census, Periodically updated)
Existing (Projected)	1,939,000

2. Important Contacts

Name	Designation	Office	Cell	Fax	Email
Nisar Ahmad Mohmand	Deputy Commissioner DIKhan	09669280116	-	0966-9280110	dcderaa@gmail.com
Salman Lodhi	DDMO	09669280117	03008554655	0966-9280115	acdikhancity@gmail.com
Asghar Abbas Shahani	Office Assistant	-	032-9811102	-	-

3. Administrative Profile

Sub- Division	Tehsils	No. of Union Council	No. of Village Councils
3	5	47	49

4. Vulnerable UCs

Name	Population	Name of River	Proposed Evacuation Centers
Laar	4238	Indus River	Agriculture Seed Farm Ratta Kulachi
Dhap Shumali	996		
Mandra	4953		
Looni	4183	Rod Kohi Channels of Gomal Zam	Government High School No.1 Boys, Kulachi
Hathala	3246		
Kulachi-I	10333		
Kulachi-II	8780		
Maddi	4929		
Chehkan	2944		
Zindani	1690	Tank Zam	Sports Complex Ratta Kulachi, DIKhan
Yarik	6085		
Band Kurai	10338		

5. Vulnerable Points/ Locations

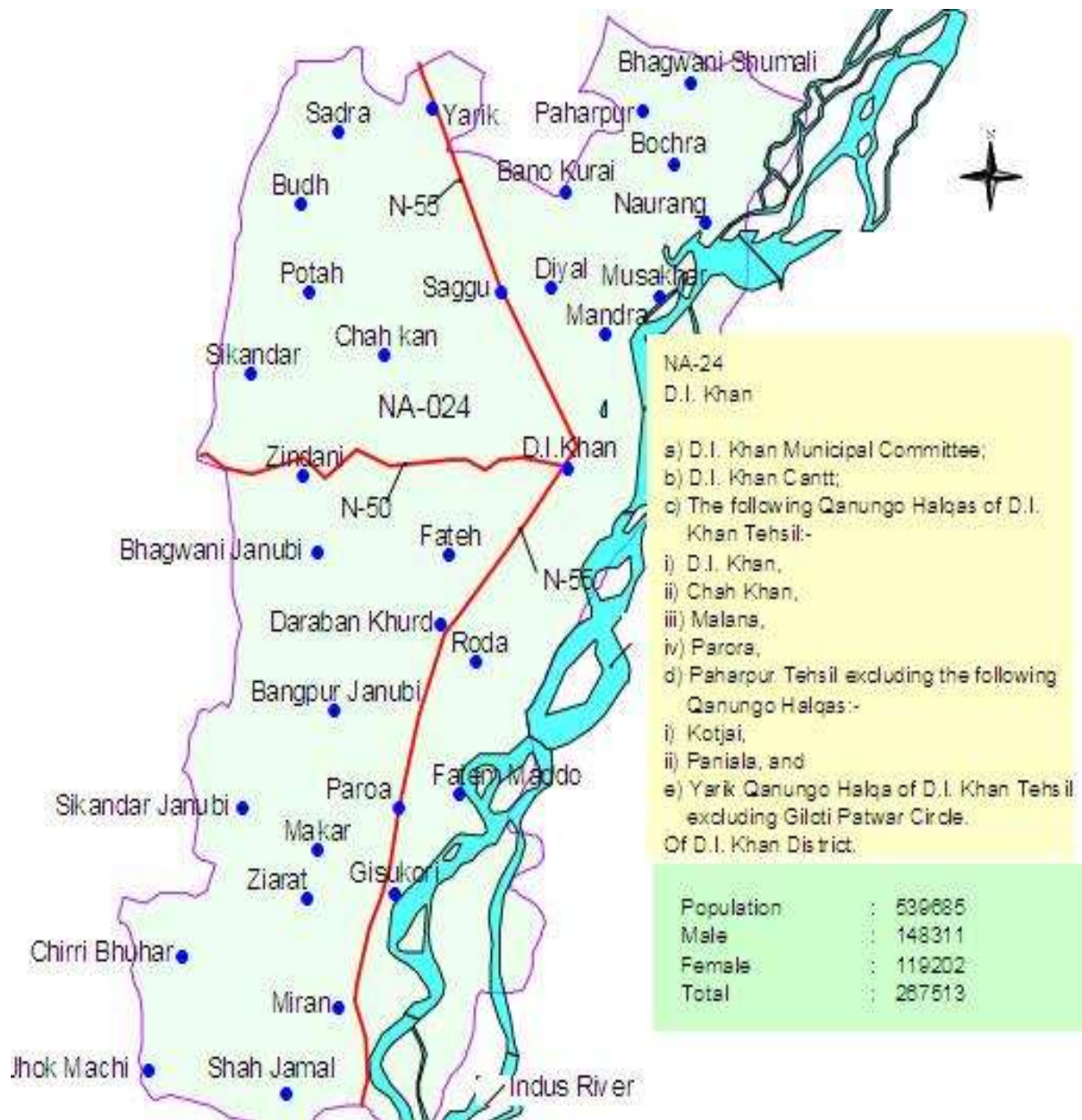
Name of Points	Address	Nature of Damages in 2010	Last Damages occurrence	Proposed Evacuation Centers
18/A (Rangpur)	(Rangpur)	Stone apron of the spur was damage however, no loss of human lives or agriculture land reported.	-	Government Degree College, Paharpur
18/B(Sagu Shumali-Kala Gor)	Sagu Shumali-Kala Gor		2014	
18/C (Dahotar)	Dahotar		-	
21/A(Mandra Syedan)	Mandra Syedan		2014	Sports Complex Ratta Kulachi, DIKhan
21/B(Himat-Mandra Kalan)	Himat-Mandra Kalan		-	
29(Paroa)	Paroa		-	Government Degree College, Parova
30(Khan DA Kho)	Khan DA Kho		2014	
31(Miyali-Ghishkori)	Miyali-Ghishkori		-	
33(Miran-Ramak)	Miran-Ramak		-	
34(Ramak)	Ramak		-	Government Degree College No.1 (Boys), DIKhan Or District Food Controller, DIKhan
Guide Band(city Cantonment)	City cantonment		-	
Right Spur No.2(Dera-Darya Khan Bridge)	Dera-Darya Khan Bridge		-	

6. Health Facilities

Name	Address	No. of Doctors	No. of Nurses	No. of Beds	Ambulances available
DHQ DIKhan	DIKhan Phone # 0966-9280201-204	95	90	350	4
MMMT Hospital	New Dera Town 0966-747067	21	70	300	3
DHO Office	0966-9280199	36	14	40	17

7. Early Warning System (EWS)

S.No.	Existing EWS	Location/ Address	Condition (Workable/Non Workable)	Needs	Recommendations
Nil	Nil	NIL	Nil	Nil	Nil



Map of District D.I.Kham

District Hangu

1. Genreal Information

Name of District	HANGU
Total Area (Sq KM)	1096 SQ KM
Total Population (1998 Census)	449000
Existing	531000

2. Important Contacts

Name	Designation	Contact information			
		Office	Cell	Fax	Email
Syed Mujeeb ur Rehman	Deputy Commissioner	0925621175	03009029242	0925620050	dc.hangu@gmail.com
Syed Abdul Ghafoor Shah	Assistant Commissioner	0925622682	03000193777	0925622682	
	In-Charge Control Room (if other than DDMO)	---	---	---	

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Village Council
HANGU	Hangu	10	36
	Thall	09	25

4. Vulnerable UCs

Name	Population	Name of River/Stream/Nullah	Proposed Evacuation Centres
CMO HANGU			
Khan Bari	14400	Shahoo Khwar	GHS Khan Bari
Ganjano Kallay	16400	Irrigation Channel	GMS Ganjano Kallay
Raisan	21671	Raisan Khwar	GHS Raisan
Kach	20000	Khanki Toyay	BHU Kach
Kotki	12177	Kotki Khwar	GHS Kotki
CMO THALL			
U.C Thall Urban	6000	Sangroba Nullah	GHSS THALL
U.C Thall Rural	6500	Police Algad	
	800	Custom Algad	
CMO DOABA			
Doaba	16458	Starra Algada/Kake Algada	

5. Vulnerable Points/Location

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation centres
CMO HANGU				
Shahoo Khwar	U.C Khan Bari	Severely affected <ul style="list-style-type: none"> • House hold damages= 6549 • Deaths =15 • Injured =13 	<ul style="list-style-type: none"> • House hold damages= 29 • Deaths =09 • Injured =03 	GHS Khan Bari GMS Ganjano Kallay GHS Raisan BHU Kach GHS Kotki
Irrigation Channel	U.C Ganjano Kallay			
Raisan	U.C Raisan			
Khanki Toyay	U.C Kach			
Kotki Khwar	U.C Kotki			
CMO THALL				
Sangroba Nullah	U.C Thall Urban			GHSS THALL
Police Algada	U.C Thall Urban			
Nazir Algada	U.C Thall Rural			
CMO DOABA				
Starra Algada/Kake Algada	Doaba			BHU DOABA

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses / Paramedic staff	No. of Beds	Ambulance Available
DHQ Hangu	Shaheed Farid Khan Hospital Hangu.0925-621508	14 Doctors with Tabbib(BP S-16)=1	Nurses= 23 Paramedics-=26	75	02
Type D Hospital Thall	Tehsil Thall/0300-5851758	05	15	40	01
RHCs	Union Council Naryab Tehsil Thall Cont:#0333-1589218	04	05	20	01
BHU	Ibrahimzai/0334-8878024	00			

Ibrahimzai			05	00	00
BHU Shahukhel	Shahoo Khail/0345-5628819	00	03	00	00
BHU Darband	Darband/0333-9681546	00	03	00	00
BHU Shanawari	Shanawari Zargari/	00	03	00	00
BHU Karbogha	Karbogha Sharif/0333-9614359	01	03	00	00
BHU Serozai	Serozai	01	04	00	00
BHU Dallan	Dallan/0332-9710561	00	05	00	00
BHU Darsamand	Darsamand/0335-0951226	01	06	00	00
BHU Mianjeekhel	Mianjeekhel/0336-9525743	00	02	00	00
BHU Bilyamina	Bilyamina	00	03	00	00
BHU Muhammad Khawaja	Muhammad Khawaja/0333-9679076	00	04	00	00
BHU Togh Serai	Togh Serai/0333-9675562	00	04	00	00
BHU Kahi	Kahi/0332-9821606	00	03	00	00
SHC Doaba	Doaba/0334-9262457	00	02	00	00
SHC Torawari	Torawari/0333-29344340	00	02	00	00
CD Chapri Waziran	Chapri Waziran/03339684689	00	01	00	00
CD Shamsa Din	Shamsa Din	00	01	00	00

7. Early Warning System (EWS)

S.No	Existing EWS	Location/Address	Condition (Workable/Non-Workable)	Needs/Gaps	Recommendations
Nil	Nil	Nil	Nil	02 sets	

District Haripur

1. General Information

Name of District	Haripur
Total Area (Sq Km)	1725 (Sq Km)
Total Population (1998 Census)	692228 (1998)
Existing (Projected)	803,000 (2005)

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mr. Humayun Khan	Deputy Commissioner	0995-613391	0333-9106754	0995-615412	ddmaharipur@yahoo.com
Muhammad Ali Bukhari	DDMO	0995-610455	0333-4865933	0995-615412	ddmaharipur@yahoo.com
	Incharge Control Room, (if other than DDMO)				

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Village Councils
Haripur	Haripur	38	151
Ghazi	Ghazi	07	29

4. Vulnerable UCs

Name	Population	Name of River/ Stresam/Nullah	Proposed Evacuation Centers
Darwesh	18945	<p>Water ways having potential threat during monsoon are:</p> <ul style="list-style-type: none"> The longest river in district Haripur is the river Indus. River Dour passing through Tehsil Haripur River Haro passing through Khanpur River Siren passing through UC Beer, Soha & Kachi and falls into Tarbela Dam reservoir. Apart from these main water ways there are number of Sokas passing mid city of Tehsil Haripur & Ghazi that causes major damages Soka passing through Serai Saleh, Ali khan, 	<ol style="list-style-type: none"> Pak China Fertilizer Colony. (Capacity of 2000 families. It is situated at Hattar road in the South West of Haripur). Padhana Camp Site. (It is situated at Ex-Tarbella road near Tarbella reservoir, North East of Haripur City and having capacity of more than 2000 families). Ex-Afghan Refugees Basu Meera Camps (It is situated in the North West of Haripur City with the capacity of 3000 families) Schools, community centers & mosques are identified in collaboration with DO Education & Revenue department in vulnerable UCs of Tehsil Haripur and Ghazi. For
Ali Khan	15677		
Sarai Saleh	25000		
Shah Maqsood	16500		
Kot Najibullah	38177		
Khanpur	23000		

Hattar	18000	<p>Talokar, Pandak, Darwesh & Dhenda causes great damages.</p> <ul style="list-style-type: none"> • Soka of Cheachian to Kot Najibullah also become dangerous for flash floods • Soka of Hattar passing through Hattar Industrial area also causes erosion of agriculture land. 	shelter in emergency and evacuations routes have also been determined in case of any emergency situation.
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5. Vulnerable Points/Location

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages Occurrence	Proposed Evacuation Centers
Darwesh Soka	Darwesh	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives	2010 Flood	<p>1. Pak China Fertilizer Colony. (Capacity of 2000 families. It is situated at Hattar road in the South West of Haripur).</p> <p>2. Padhana Camp Site. (It is situated at Ex-Tarbella road near Tarbella reservoir, North East of Haripur City and having capacity of more than 2000 families).</p> <p>3. Ex-Afghan Refugees Basu Meera Camps (It is situated in the North West of Haripur City with the capacity of 3000 families) Schools, community centers & mosques are identified in collaboration with DO Education & Revenue department in vulnerable UCs of Tehsil Haripur and Ghazi. For shelter in emergency and evacuations routes have also been determined in case of any emergency situation.</p>
Ali Khan Dour	Ali Khan	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives	2010 Flood	
Sarai Saleh Dour	Sarai Saleh	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives	2010 Flood	
Shah Maqsood Dour	Shah Maqsood	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives		
Kot Najibullah Soka	Kot Najibullah	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives	2010 Flood	
Khanpur River Haro	Khanpur	Roads/Pulleys/Bridges/ Crops/House Damages/ Human Lives	2010 Flood	

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses/Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital (s)	DHQ Teaching Hospital, Dehnda Road, Haripur/ 0995-611850	46	123	210	02 (01 is damaged & out of Order)
DHQ(s)	DHQ Hospital, Dehnda Road, Haripur/ 0995-611850	46	123	210	02 (01 is damaged & out of Order)
RHC (s)	Kot Najibullah/0345-9331445	04	12	14	01
	SiriKot/0300-9178651	01	08	14	01
	Halli/ 0995-648242	0	06	14	01
	Nara Amazai/0346-5610056	0	05	14	0
	Kalinger/ 0336-9036305	0	06	14	01

7. Early Warning System (EWS)

S.No	Existing EWS	Location/ Address	Condition (Workable/ Non-Workable)	Needs/Gaps	Recommendations
	The District Flood Control room is established in the office of DDMU Haripur, under the supervision of DC (H). Telephone numbers and Duty Roaster of staff is circulated by this office. In Tehsil Ghazi, AC (G) would be the focal person and	Deputy Commissioner Office, Haripur	Muhammad Ali Bukhari, AC/ DDMO Haripur would be focal person for disaster related activities and will remain in constant touch with meteorological department and XEN Irrigation for getting updates in case of any threat, and he will immediately coordinate with, AC Ghazi, CMO Haripur and	<ul style="list-style-type: none"> Establishment of civil defense unit/office in district Haripur as no such office exist in the district The District Disaster Management Unit at district level may be strengthened by providing equipments and sufficient staff. Special budgetary provision may be made to beef up the office of DDMO. Special trainings may be arranged at district level for all sort of groups to educate/aware the public at grass root level about the Disaster Risk Management to rescue the public and to face the difficult situation at the time of need. The NGOs working on disaster related activities should get NOC from the District Administration and 	As usual prior to Monsoon season the contingency plan-2015 has made and included amongst the departments for completion for the respective role and the payments are made to affected people. Specially, death cases and injured cases on priority dealt with and subsequently amount. If released from Provincial Government is disbursed amongst the affectes. However, keeping in view the situation of disaster and shelter fewer people are settled in

	<p>in Khanpur, AAC Khanpur would act as focal person. They will establish control room in the respective areas for timely coordination with all the concerned. They will circulate contact numbers to all concerned.</p>		<p>Ghazi and CCO for making necessary arrangements for the affectees. He will also be in touch with Tarbela Dam authorities. CMO Haripur/Ghazi and CCO would also make necessary provision of food/ non food items and safe place of their shifting / camps. The Provincial Governments will immediately be approached for release of funds/ relief items if required.</p>	<p>DDMU for carrying out their ground activities and must have close coordination with the District Government.</p> <ul style="list-style-type: none"> • Required machinery which may be used at the time of disaster • Needed hygiene kits, mosquito nets, kitchen sets, stove (wooden), boats, ambulance vehicle, disaster kits, first aids boxes, first aid kits etc • Embankments/retaining walls may be constructed to mitigate the disaster threats/impacts • Disaster Risk Management, Disaster preparedness and Disaster Risk Reduction training should be imparted at all level i.e village, UC & district. 	<p>the Govt: building that is schools and colleges.</p>
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Map of District Haripur

District Karak

1. General Information

Name of District	Karak
Total Area:	2647.63 (Sq-KM)
Total Population	537000 (1998 Census)
Existing(projected)	729000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell No.	Fax	Email
Shoaib Jadoon	Deputy Commissioner	0927-210825	-	0927210925	deputycommissionerkk@yahoo.com
Hafiz Atta-ul-Munim	DDMO	0927-210710	0346-9502684	0927-210925	
-do-	Focal Person in District Control Room	-do-	-do-	-do-	

3. Administrative Profile

Name of Sub Divisions	Name of Tehsils (Sub-division wise)	Name of UCS	No. of villages / Mouzas
Karak	Karak	9	24
Banda Daud Shah	Banda Daud Shah	5	13
Takht-e-Nasratti	Takht-e-Nasratti	7	17

4. Vulnerable UCs and Villages

Name	Population	Name of River/Stream /Nullah	Proposed Evacuation Center
Jahangiri		Inzar Khwar Flash Flood Hamidan area	GHS, Jahangiri
Shnawa Guddi Khel		Koh-e-Maidan ShawaNasratti MachakiAlgada	GMS,Zarin kalay
Takht-e-Nasratti		LawagharAlgada	GHS, Takht-e-Nasratti
Warana Ahmad Abad		Lawaghar ZanganaChokara	GHS, Warana Ahmad Abad
Ghundi Mir Khan Khel		Easak Khwar Kando Khel Khwar	GHS, Ghundi Mir Khan Khel
MithaKhel		Hilly area Lawaghar Dam	GHS, MithaKhel
Chokara		Zangana Chokara	GHSS, Chokara
Jandari		AlgadaTarkha Koi	RHC, Jandari

Easak Chountra		SiratKhel Algada Chandani Chowk	GHS, Dhab
NariPanoos		Rangini Garang	GHS, NariPanoos
Jatta Ismail Khel		Eidgah & Primary School Khan Bat GulKoroona MamiKhelToi	GMS, Jatta Ismail Khel
Teri		Teri Algada CPF Nullah towards Teri Toi	GHS, Teri

5. Health Facilities

Name of Health Facility	Address	No of Doctors	No of nurses & other Paramedical staff	No of Beds in Hospital	Ambulances available
DHQ Hospital Karak	KDA Karak	22	38	210	02
Zanana Hospital Karak	Main Bazar Karak	05	Nurses=10 Paramedics=18	64	Nil
THQ Hospital T/Nasratti	Takht-e-Nasratti Bazar	18	Nurses=11 Paramedics=25	110	03
THQ Hospital B.D Shah	Banda Daud Shah	06	Nurses=6 Paramedics= 7	66	01
RHC Sabir Abad	Sabir Abad	01	Nurses=0 Paramedics= 7	22	02
RHC Latamber	Latamber	03	Nurses=6 Paramedics=12	40	02
RHC Jandari	Jandari	02	Nurses=0 Paramedics= 7	08	0
BHU Dhabb	Dhabb	0	Nurses=0 Paramedics= 4	0	0
BHU MithaKhel	MithaKhel	01	Nurses=0 Paramedics= 2	0	0
BHU Ghundi Mir Khan Khel	Ghundi Mir Khan Khel	01	Nurses=0 Paramedics= 2	0	0
BHU DabliLawaghar	DabliLawaghar	01	Nurses=0 Paramedics= 3	0	0
BHU Khojaki	KhojakiKilla	01 Female	Nurses=0 Paramedics= 3	0	0
BHUChokara	Chokara	01	Nurses=0 Paramedics=	0	0

			07		
BHU Shanawa GudiKhel	ShanawaGudiKhel	02		16	01

6. Early Warning System

Existing Early System	Nil
Gaps of Early Warning System	Nil
Suggestion for the improvement of the existing early system (please coordinate with relevant Department if any support is needed under information to PDMA)	Nil



Map of District Karak

District Kohat

1. General Information

Name of District	Kohat
Total Area (Sq Km)	2,545 km ² (982.6 sq mi)
Total Populations (1998 Census)	562,644 (1998)
Existing (Projected)	949,000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mr. Kamran Afridi	Deputy Commissioner	0922-9260268	03339189606	0922-9260031	-
Mr. Mohammad Ali Asghar	DDMO	0922-9260046	03335215858	0922-9260245	-
Police Control Room	Police	0922-9260131	-	-	-

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Village councils
1	Kohat	25	67
2	Lachi	7	18

4. Vulnerable UCs

Name	Population	Name of River/Stream /Nullah	Proposed Evacuation Centers
Shakardara	29541	Aurakzai Nullah Usterzai Nullah Chenna Nullah Sheikhan Hill Torrent	Government schools in the stated vulnerable UCs
Khuslalgah	17137		
Urban-5 (Hafizabad)	19447		
Jerma	23912		
Nusrat Khel	15692		
Bahadarkot	21773		
Lachi Rural (Darmalak)	13452		
Shahpur	20042		
Sudal (Shawaki & Malagin)	21671		
Usterzai	18614		
Togh Bala	26020		

5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Hafiz abad	Urban-II	Houses Damage	2010	Government schools in the concerned UCs
Nasrat Khel	Nasrat Khel	Crops Damage	2010	
Kaghazai	Nasrat Khel	Crops Damage	2010	
Muhammad zai	Muhammad zai	Crops Damage	2010	
Jerma	Jerma	Bridge Damage, Crop Damage	2010	
Gumbat	Gumbat	Houses Damage	2010	

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital(s)	Divisional headquarter Hospital KDA Kohat	Specialist- 10 PMO,SMO,MO-28 Dental Surgen-1	88	21	3
DHQ(s)	Divisional headquarter Hospital KDA Kohat	Specialist- 10 PMO,SMO,MO-28 Dental Surgen-1	88	21	3
RHC(s)	Chorlaki	2	—	22	1
	Gumbat	3	—	22	1
	Billitang	4	—	22	1
	Lachi	2	—	22	2
	Usterzai	2	—	22	1

7. Early Warning System (EWS)

S.No	Existing EWS	Location/Address	Condition (Workable/ Non-Workable)	Needs/Gaps	Recommendations
1	Nil	Nil	Nil	Nil	Nil



Map of District Kohat

District Kohistan (Lower & Upper)

1. General Information

Name of District	Kohistan (Lower & Upper)
Total Area (Sq.Km)	7492 Km ²
Total Population (1998 Census)	472,570
Existing (Projected) population	600000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Zafar-ul-Islam	Deputy Commissioner	0998-407002		0998-407002	-
Muhammad Abid	DDMO	0998407003		0998-407001	-
	In-charge Control Room	0998-407003		0998-407001	-

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Village Council
Upper Kohistan	Dassu	11	
	Kandia	05	
Lower Kohistan	Pattan	10	
	Palas	13	

4. Vulnerable UC

Name	Population	Name of River/Stream/Nullah	Proposed Evacuation Centers
Bariyar	7747	SupatNullah	DDMO Office
Bar Jalkot	15244	Dong Nullah	DDMO office
Gabral	9217	Kandia river	Thoti UC office
Goshali	8042	SupatNullah	DDMO office
Jajshoi	7694	Kandia river	Thoti UC office
Karang	11977	Kandia river	Thoti UC office
Kareen	11497	Kandia river	Thoti UC office
Thoti	6842	Kandia river+Kafar Banda khwar	Thoti UC office
Bar Sherial	23296	SheriyalKhwar	Ghazi Abad TMO Office
Beach Bela	20974	Bar PalasKhwar	Ghazi Abad TMO Office
Kolai	7742	KolaiKhwar	Ghazi Abad TMO Office
Kuzparo	19322	PalasKhwar	Ghazi Abad TMO Office
MadaKhel	8459	Batera + MadakhelNullah	GHS Batera
Sharid	15619	Bar PalasKhwar	Ghazi Abad TMO Office
DobairBala	10669	DubairKhwar	Police Station Dubair
DobairPayan	11775	DubairKhwar	Police Station Dubair
DubairKhas	12042	DubairKhwar	Police Station Dubair
Keyal	9996	KayalNullah	Police post Kayal
Ranalia	7611	RanoliaKhwar	Police Station Dubair

5. Vulnerable Points/Locations

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
All the above mentioned UCs in table-4	As above	As above	As above	As above

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses/Paramedic staff	No. of Beds	Ambulance available
Teaching Hospital(s)	Nil				
DHQ(s)	Nil				
RHC(s)	Dasu, Shatyal, Pattan & Ranolia	11	53		04

7. Early Warning Systems

S.No	Existing EWS	Location/ Address	Condition (Workable /Non-workable)	Needs/Gaps	Recommendations
1	Earthquake early warning system	DC bungalow Dasu headquarter	Non-workable	Five EWS are required to install in higher potential areas in Dasu headquarter	
2	Earthquake early warning system (Sacty Instrument)	Revenue Office Tehsil Pattan Lower Kohistan	Non-workable	Five EWS are required to install in higher potential areas in Lower Kohistan	



Map of District Kohist

District Lakki Marwat:

1. General Information

Name of District	Lakki Marwat
Total area (Sq Km)	3164 sqkm
Total Population (1998 census)	490,025
Existing (Projected) population	1.2 Million

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Ihsan Ullah Khan	Deputy Commissioner	0969538330	0300-5990819	0969538333	dclakimarwat@hotmail.com
Sher Alam	DDMO	0969538332	0343-9392543	0969538333	
Zafar Iqbal	Health		0969-511579 0969-713000		
Khan Badshah	PMO DHQ Hospital		0336-5348892		
Dr. Asmat Ullah	MO City Hospital Lakki		0969-512349		
Dr. Umar Nawaz	PMO Civil Hospital Naurang		0333-9645752		
Dr. Ahmad Noor	SMO RHC Titter Khel		0301-8754298		
DSP HQ	Police	0969510574			
Shah Nawaz Khan	NT Revenue		0307-8484722		
Mr. Nisar Ahmad	ADEO E&S Edu:		0345-9858158 0300-9858158		
Sana Ullah	SDO Works & Services	0969583255	0345-9858064		
Saif Ullah Khan	Inspector Agriculture	0969511469	0306-5765515		
Ali Sarwar	Civil Defence		0303-5353453		
Muhammad Saleem	CMO Lakki Marwat	0969511580	0300-5902706		
Mr. Afnan Ali	Sanitary Inspector MC Serai Naurang		0345-5134637 0305-8559992		
SDO Lakki Marwat	PESCO	0969510272			
Muhammad Nadeem	WM Officer Water Management	0969512104	0345-7772267		
Mr. Saleem Khan	SDO Public Health Engg. Division	0969538336	0332-9738591		

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Village Councils	
			VC	NHC
Lakki Marwat	Serai Naurang	09	20	03
Lakki Marwat	Lakki Marwat	24	69	04

4. Vulnerable UCs

Name	Affected Population	Name of River / Stream / Nullah	Proposed Evacuation Centers
Lakki	500	River Gambilla	GGDC Lakki, GGHS Lakki, GHS No. Lakki
Lakki II	200	River Gambilla	GGHS No. 3 Lakki City, GMS Khoidad Khel
Dara Thang	100	River Gambilla & Kurram	GHS Chouki Jand
Phar Khel Thall	150	River Gambilla & Kurram	GPS and GGPOS Kachi Qamar
Landiwah	100	River Kurram	GPS & GGPS Mirazam Michan Khel
Mama Khel	30-40	River Kurram	Working Folks Grammer School
Shamoni Khattak	300	Nulla Gangu	Wanda Mash
Darra Pezu	1000	Nullah Sheikh Badeen Pezu	GHSS Pezu, GGHS Pezu
Titter Khel	500	Nulla Titter Khel	GHSS Titter Khel, GHS Titter Khel
Behram Khel	8000	Nulla Kharooba	Village, Tajori, GDC Tajori
Mela Shahab Khel	3000	Nullah Chonai	GHS Dallo Khel, GGHS Dallo Khel, GMS Wanda Kalan

5. Vulnerable Points / Location

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Mohallah Querishee, Sub Jail Kachoona	Lakki – I	Whole area along with Sub Jail	2010	GGDC Lakki, GGHS Lakki, GHS No. 1 Lakki
Mohallah Khoidad Khel, Mohallah Michan Khel	Lakki – II	House Damages	2010	GGHS No. 3 Lakki City, GMS Khoidad Khel
Chouki Jand, Wanda Pinda Khan, Dara Tang	Dara Thang	House Damages	2010	GHS Chouki Jand

Kachi Qamar	Pahar Khel Thall	House Damages	2010	GPS & GGPS Mirazam Michan Khel
Sarkati Michan Khel, Mir Azam Michan Khel, Painsa Michan Khel	Landiwah	House Damages	2010	Working Folks Grammer School
Nali Chak	Mama Khel	House Damages	2010	Working Folks Grammer School
Wanda Akhundani	U/C Shamoni Khattak	Whole Village	2013	Wanda Mash
Wanda Jogi	Pezu	Both houses and human beings	2010	GHSS Pezu, GGHS Pezu
Titter KHel	Titter Khel	Do	2010	GHSS Titter Khel, GHS Titter Khel
Tari Khel	Behram Khel	House Damages	2010	Village Tajori, GDC Tajori
Dallo Khel (old Village) Mohallah Ghaibee Khel	Mela Shahab Khel	House Damages	2010	GHS Dallo Khel, GGHS Dallo Khel, GMS Wanda Kalan

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital (s)	Not Available				
DHQ (s)	Tajazai / 0969538008	29	03/68	80	01
RHC (s)	DHO Office 0969538339	06	01/12	-----	06
Civil Hospital Lakki City	Lakki City / 0969-510312, 510349	13	14/29	30	01
Tehsil Headquarter Hospital Serai Naurang	Serai Naurang/0333-9645752	12	01/21 03 LHV	16	01

7. Early Warning Systems

S.No	Existing EWS	Location/ Address	Condition (Workable /Non-workable)	Needs/Gaps	Recommendations
NIL					



Map of District Lukki Marwat

District Malakand

1. General Information

Name of District	Malakand
Total area (Sq Km)	952 sq kms
Total Population	542212 Approxi
Existing(projected) population	

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Muhamma d Ali Abbas	Deputy Commissioner	0932414880	03019900477	0932413199	dco_malakand@yahoo.com
Ishfaq Ahmad Khan	DDMO	0932412254	03454818489	0932412254	acbatkhela@gmail.com

3. Administrative Profile

Te1hsil	No. of Union Council	No. of Villages	UCs Population
Batkhela	17	28	350000 approx
Dargai	11	28	190000 approx

4. Vulnerable UC s and Villages

Name	Population	Name of River/Stream /Nullah	Proposed Evacuation Centers
Thana jaded	35000	Rive Swat	GHS Jalala
Dheri	60000	Dehri Khwar	GHS No.1 Dehri
Alladand	50000	River Swat Khawar	
Lowe batkhela	40000	Canal, River Swat	FG College Batkhela/District Secretariat Batkhela
Totakan	7000	River Swat	GHS Totakan
Dheri julagram	25000	-do-	GHS Dehri Julagram
Dargai	25000	Dargai Khwar	GHS No.1 Dargai
Kharkai	15000	Kharakai Khwar	GHS Kharakai

5. Health Facilities

Name	Address/ Contact	No. of Doctors	No. of Nurses	No. of Beds	Ambulance Available
DHQ Batkhela	0932-410242	57	90	232	5

Teaching Hospital Dargai	0932-332034	30	53	100	02
RHCs (5 in No)	Kot, Alladand, Palai, Julagram and Sakhakot	21	76	--	4

6. Early Warning System

S.No.	Existing EWS	Location/ Address	Condition (Workable/ Non Workable)	Needs/ Gaps	Recommendations
1	Through Irrigation Department	Headworks Amandara	Working	-	-



Map of District Malakand

District Mansehra

1. General Information

Name of District	Mansehra
Total area (Sq Km)	4,579 sq kms
Total Population	1152839
Existing(projected) population	1499308

2. Important Contact

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Engineer Aamir khattak	Deputy Commissioner, Mansehra.	0997304148 0997920170	03479777799	0097305513	aamer_khattak@hotmail.com
Mr. Naveed Ahmad	AC/DDMO Mansehra.	0997300751	03369957653	0997305513	ac.mansehra@gmail.com
Mr. Shahid Mehmood	Assistant Commissioner Balakot.	0997501008	03006990799	0997305513	
Mr. Shah Rukh	Assistant Commissioner Oghi.	0997320104	03212576558	0997320104	

3. Administrative Profile

Sub Division	Tehsil	No of Union Council	No of village Councils
Mansehra	Mansehra	36	111
Balakot	Balakot	12	48
Oghi	Oghi	11	35

4. Vulnerable UCs

Name	Population(1998)	Name of River/Stream /Nullah	Proposed Evacuation Centers
Balakot	19255	Kunhar	Shohal Najaf
Satbani	15949	Nullah Malya	Kait Srash
Shohal Mazullah	13277	Kunhar Nullah, Shagai	Patseri
Talhata	13112	Nullah Shagai	Garhi Habibullah
Garhi Habibullah	19306	Doga Nullah/Kunhar	Doga/Hasari, Bararkot and Kushtra
Ghanool	20274	Nullah Ghanool	Kholian, kawai
Garlat	18466	Nullah Shagai	Garlat
Jabori	13521	Siran River	Banda Gisach, Baki

Bhogarmang	12907	Siran River	Baki
Sum Elahimang	16675	Siran River	Jano Mandi, Dariyal
Shinkhari	22826	Siran River	Bedadi, Baghwar
Baffa	23117	Siran River	Banda Peran, Tanda
Malikpur	12329	Siran River	Sherpur, Khajgan
Beharkund	17047	Siran River	Beharkund
Inayatabad	16346	Ichar Nullah	Kalgan, Baffa Dorah
Hamsharian	14407	Ichar Nullah	Maswal, Kanet
Shamdara	15833	Khata	Oghi/Khatai
Oghi	21674	Khata	Malogas

5. Vulnerable Points / Location

Name of Point/Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Balakot Bazar to Garhi Habibullah	Tehsil Balakot	Damages occurred due to flood L/side and R/side along Kunhar River Banks	2010	Hassa College and Hospital in Garhi Habibullah
Shinkhari Bazar along Siran River	Tehsil Mansehra	Damages occurred due to flood L/side and R/side along Siran river	2010	G.H.School Shinkhari and G.H.School Baffa
Popullation near Sarori Nallah	Kathai	Flood		BHU Kathai
Popullation near Sarori Nallah	Shamdara	Collapse of Private School		GHS Shamdara
Popullation near Sarori Nallah	Oghi	Residential Buildings		GPS Center School

6. Early Warning System (EWS)

S.No	Existing EWS	Location/ Address	Condition (Workable/ Non-Workable)	Needs/ Gaps	Recommendations
1	Alarm	MC Mansehra	Satisfactory		



Map of District Mansehra

District Mardan

1. General Information

Name of District	Mardan
Total area (Sq Km)	1632 Sq. KM
Total Population(1998 sencus)	1.9 Million
Estimated(projected) population	03 million

2. Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Mardan	76	103	0.8 Million
Takht Bhai		41	0.6 Million
Katlang		29	0.5 Million

3. Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Shahid Ullah Khan	Deputy Commissioner	0937-9230048		0937-9230303
Umar Javid	DDMO		0301-4253595	
Murad	Focal Person in District Control Room	0937-9230048		0937-9230303

4. Vulnerable UC s and Villages

Name of UC	No. of Village	Population	Name of River/Stream /Nullah
Kot Daulat Zai	05	27455	Moqam Nullah
Shabaz Garhi	04	18740	Moqam Nullah
Mohib Banda	06	18729	Kalpani Nullah
Bagh Banda	07	20020	Kalpani Nullah
Rustam	09	38089	Rustam Khwar
Shomzai	03	29500	Rustam Khwar
Swala Dher	08	15400	Ucha Drainage System
Kata Khat	04	17301	-do-
Alo	07	12500	-do-
Manga	07	21570	-do-
Khazana Dheri	10		-do-



Map of District Mardan

District Nowshera

1. General Information

Name of District	Nowshera
Total Area (Sq Km)	1,748 km ²
Total Population (1998 Census)	874373
Existing (Projected) population	1370000

2. Administrative profile

Sub Division	Tehsil	No. of Union Council	No. of Village Councils
Nowshera	Nowshera	20	62
	Pabbi	15	51
Jehangira	Jehangira	12	38

3. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
ZakaUllahKhattak	Deputy Commissioner	0923-9220098-99	03459401402	0923-9220159	dconsrpk@yahoo.com
Abdl Hameed Khan	DDMO	0923-9220104	03139754632	0923-9220220	

4. Vulnerable UC s and Villages

Name of UC	Population	Name of Villages In UC	Name of River/Stream/ Nulla/Khwar	Proposed Evacuation Center
Akbar Pura	22564	Ali Shah, Banda Malahan, Dua, MisriPura,Mufti, Shamsa, ShindiBala/Payyan&Tarkha	Nullah Bara & River Kabul	Govt Girls Degree College Akbar Pura and Educational Institutions Taru
AmanKot	12037	AmanKot, Chowki Drub &DheriIshaq	NullaChankar& River Kabul	Educational Institutions Pabbi
AzakhelBala	12657	AzakhelBala	Flash Flood Khwarh	Nearby Educational Institutions
AzakhelPayyan	11799	AzakhelPayan	Flash Flood Khwarh	-do-
Balu	16974	Ali Beg, Babi, Balu, Titara	Nulla Bara	Govt Girls Degree College Akbar Pura and Educational Institutions Taru
Banda Mohib	18654	Banda Mohib, Sheikh Ismail, Chak Agra, GhariMomin, JabbaDaudzai&Zangle	Nulla Bara	Educational Institutions Pabbi
ChowkiMumrez	14681	Chand Bibi, ChowkiMumrez, KandiNasir, KandiTaza Din, KhushMuqam	NullaChankar	-do-

Name of UC	Population	Name of Villages In UC	Name of River/Stream/ Nulla/Khwar	Proposed Evacuation Center
Dagai	20801	Banda Nabi, Dagai, PushtoonGhari,	Flash Flood Khwarh	Nearby Educational Institutions
Dheri Kati Khel	17215	Nowshera Khurd, Dheri Kati Khel	Flash Flood Nullah	Labour Colony and Educational Institutions Hakimabad
Jehangira	6137	NariNodeh, Kund, NehalPura	River Kabul	Nearby Educational Institutions
MeraAkora	16186	Ismail Khel, Surya Khel, Wattar, AkoraKhattak	Flash Flood Nulla	-do-
Misri Banda	12303	Misri Banda,	River Kabul	-do-
Mughulki	22386	Ali Muhammad, MianIssa, Mishak, Mughulki, Nandra,	River Kabul	-do-
NawanKilli	15198	NawanKilli	River Kabul	Govt College of Technology Kandar
Nowshera City	17929	Nowshera City	River Kabul	-do-
Chowki Town	15261	Chowki Town	River Kabul	-do-
Shaidu	21555	Shaidu	River Kabul	Nearby Educational Institutions
PirPai	14999	PirPai	Flash Flood Nulla, River Kabul	-do-
PirSabaq	21103	PirSabaq	Kabul River	Benazir Complex Risalpur
Kabul River	8539	Kander	Kabul River	Govt College of Technology Kandar
Khair Abad	16750	KatiMiana, Khairabad, Khawrai, ManduKhel,	River Indus	Higher Secondary School Khairabad
KheshgiBala	23277	KheshgiBala	River Kabul	Educational Institution on main Kheshgi road
KheshgiPayyan	20439	KheshgiPayyan& Ruck Sarkar	River Kabul	-do-
Khudrizi (KhansherGhari)	15087	Khudrizai, Khan SherGhari	ChankarNulla	Educational Institutions at Pabbi
Kurvi	14099	Kurvi, Zakhi,	Flash Flood Khwarh	Educational Institutions at Taru
AkoraKhattak	19530	AkoraKhattak	River Kabul	Educational Institutions at AkoraKhattak
Amangarh	21476	Amangarh	River Kabul	Working Folks Grammar School Amangarh
Zara Mina	13465	Zara Mina, Turlandi	Kabul River	Educational Institutions at Zara Maina

5. Vulnerable Points / Locations

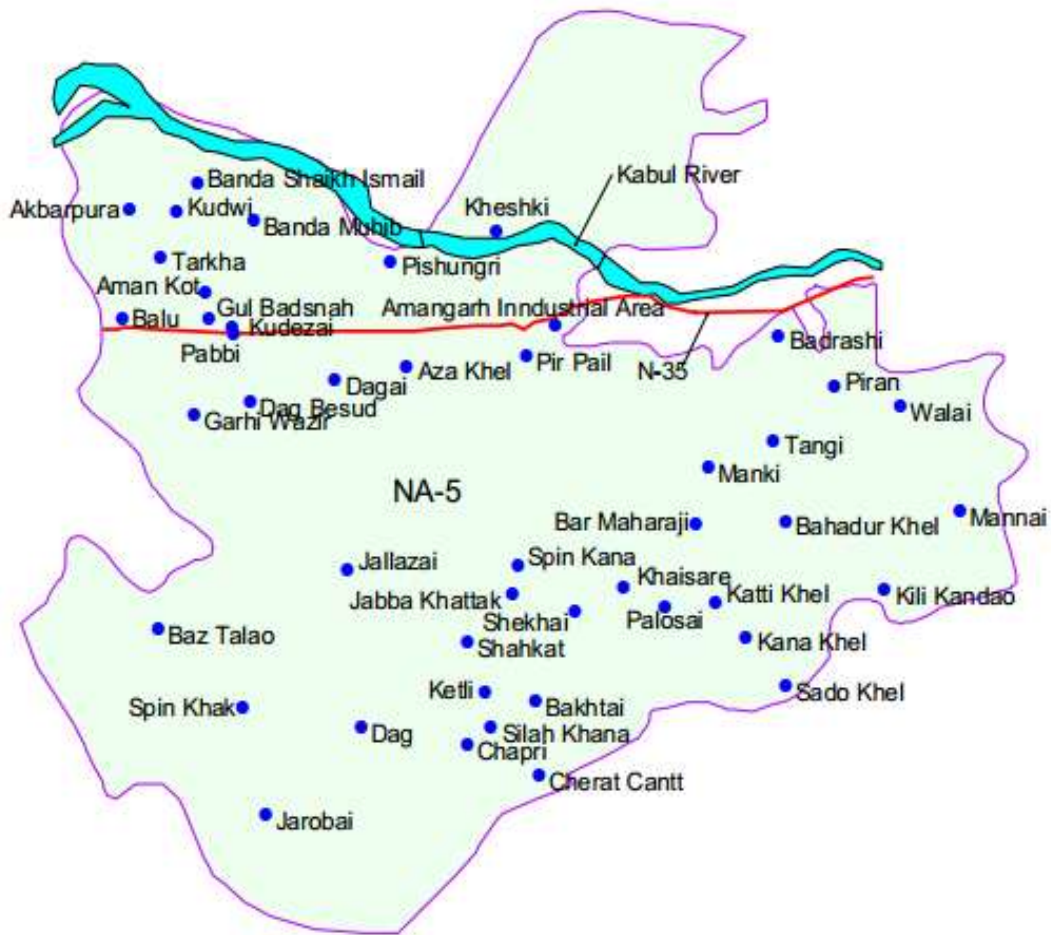
Name of Point / Locality	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
GhariMomin	Akbarpura, Pabbi	Fully Damaged	Monsoon (occasionally)	Nearby Educational Institutions
Jangal	//	//	//	//
Zakhi	//	//	//	//
Banda Shiekh Ismail	Near AkbarpuraPabbi	//	Monsoon (occasionally)	Nearby Educational Institutions
Camp Koroona	//	//	//	//
WazirGhari	PabbiCherat Road	//	//	//
Qasim Ali Baig	TaruPabbi	//	//	//
GujarBastiAmangarh	Amangarh	//	//	//
AzaKhelBala&Payan	AzaKhelBala and Payan Nowshera	//	//	//
Nowshera Kalan	Nowshera Mardan Road	//	//	//

6. Health Facilities

Name	Address / Contact	No. of Doctors	No. of Nurses p Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital(s)					
DHQ(s)	Nowshera kala 9220023	63	67	114	03
Civil Hospitals	MRHSMH Pabbi / 0923528171	20	70	114	03
	AkoraKhattak / 03339035007	04	12	50	01
	Ziarat Kaka Sahib / 03469073305	01	03	50	Nil
RHC(s)	Akbar Pura / 03009152598	02	04	08	01
	Dag Ismail Khel / 03448977208	02	04	08	01
	PirPai / 580759	02	03	08	01
	Kheshgi / 03038042500	01	03	08	01
	Manki Sharif / 03465657625	04	04	08	01
	Khairabad / 03-25776072	03	02	08	01
	Nizampur / 03013016761	02	02	08	01

7. Early Warning System (EWS)

S. No.	Existing EWS	Location / Address	Condition (workable / Non-Workable)	Needs / Gaps	Recommendations
1	Mega Phone =04	Civil Defence			
2	Hand Operated Siren =01	Civil Defence			



Map of District Nowshera

District Peshawar

1. General Information

Name of District	Peshawar
Total Area	1257 (Sq KM)
Total population (1998 census)	2026851
Existing (projected) population	3,575,000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mr. Riaz Khan Mehsud	Deputy Commissioner	9212302	03008599055	9212303	dcpeshawar@hotmail.com
Mr. Mumtaz Ahmad	DDMO	9212304	03339221822	9212303	dcpeshawar@hotmail.com
Mr. Haseeb Ur Rahman	Incharge Control room	9210077	03329085616	9212303	brilliant5577@yahoo.com

3. Administrative Profile

Sub Division	Tehsil	No. of UC's	No. of Village Councils
Peshawar	4	97	430

4. Vulnerable UCs and Population

In case of unusual floods the following UCs and population would be more exposed to the perilous brunt:-

S/No.	Union Councils	Population	Name of River/Stream/ Nullah	Proposed Evacuation Centers
1	Achini Bala	42,978	Achini Khwarh	GMS Haji Baanda, GMS Achini Bala, GHS Haji Baanda, GMS Sangu landi bala,
2	Mera Surizai Paya	25,801	Zandi Khwarh	GPS Mera surizai payan, GMS Garhi fazal Rahim, GPS Garhi fazal Rahim, GMS Garhi Fazal Rahim, GPS garhi niaz badshah, GPS Aftab Hussain
3	Shahi Bala	32,222	Shagai Khwarh	GHS Shahi bala, GPS no.1mera shahi bala, GPS Juma khan, GPS Sufaid sang, GHSS Sufaid sang

4	Panam Dehri	32,584	Pirbala Khwarh	GPS Hakeem khan killi, GPS Panaam dheri, GPS Nawab koruna, GHS Hakeem khan killi
5	Jogani	30,468	Shahalam +Hajizai River	GHSSS Chaghar Matti, GPS No.1, 2,3 Chaghar Matti, GPS Pir Kallay No.2
6	Chaghar Matti	28,391	Shahalam River	GPS, GHS Chagharmatti.
7	Chamkani	32,324	Bara khwarh	GHSS Chamkani, GHSS Chamkani, GPS No.1 and 2 Chamkani, GPS Choa Gujar.
8	Budhni	30,182	Shahalam Khwarh	GHS Budhni, GGHS Budhni, GMS Sabi, GPS Dalazak, GPS+GHS Guluzai
9	Mera Kichori	39,312	Bara Khwarh	GHS Zahir Abad, GPS Mera Kachori, GPS Qadeem Kallay, GPS New Qilla, GPS Ghari Aziz Khan
10	Kankola	39,910	Shahalam Khwarh + Budhni Khwarh	GMS Kankola, GPS Kankola, GPS No.1 & 2 Fatu Abdur Raheema, GPS Daman Hindki
11	Lala	26,330	Bara Khwarh	GPS No.1 & 2 Lala Kallay, GPS Nasir Pur, GHS Tarnab Faram, GMS Tarnab Faram, GPS Masma.
12	Khatki	28,495	Naguman + Hajizai river	GPS Mamo Khatki, GPS Banda Payan, GPS No.1 & 2 Bela Baramad Khel, GPS Qilla Abdul Jalil
13	Urmer Bala	36,993	Zandi Khwarh	GHS Urmer Bala, GMS Urmer Bala, GPS No.1 & 2 Urmer Bala, GMS Ghari Charagh, GPS Ghari Charagh
14	Takhtabad	42,800	Shahalam + Naguman river	GPS Takhtabad Awal, GPS No.1 & 2 Mewra, GMS Mewra, GHS Takhtabad.
15	Mathra	44,622	Pirbala Khwarh	GHSS Mathra, Degree College Mathra, GPS Budha Kander Khel, GPS No.1 & 2 Mathra
16	Kafoor Dehri	32,912	Pirbala Khwarh	GPS Kafoor Dheri, Mera Aka Khel, GHS Kafoor Dheri, GPS Killa Jabbar, GPS Zagi Koroona,
17	Musazai	26,687	Bara Khwarh	GPS No.1,2& 3 Musazai. GMS Pandu Payan, GHSS Musazai
18	Haryana Payan	40,004	Badhber + Janay Khwarh	GPS Haryana Payan, GHS Haryana Bala, GPS Muslim Abad (Raam Kishan), GPS Nasapa Payan, GHS Nasapa
19	Wadpaga	29,604	Bara Khwarh	GHS Wadpaga, GPS Muhammad Zai, GPS Wadpaga, GMS+GPS Budhni, GHS Kalu Khel
20	Nahaqi	39,566	Naguman + Shahalam Khwarh	GCMHS Nahaqi, GHS Mian Gujar, GPS Jala Bela, GPS Landi Daudzai, GPS No.1 & 2 Mian Gujar, GPS Daman Afghani.

21	Gulbela	38,384	Naguman + Hajizai River	GHS Gulbela, GHS Kareem Daad, GPS Ghari Sharif Khan, GPS Gulbela, GGMS Gul Bela.
22	Khazana	36037	Shahalam River	GMS Khazana Shugar Mills, GMS Toda, GPS No.1 Toda, GPS Khazan Sugar Mill, GPS No.2 Toda
23	Pakha Ghulam	20000	Budhni Nulla	GHS Pakha Ghulam, GPS No.1 & 3 Pakha Ghulam, GPS Duran Pur, GPS Chughal Pura
24	Larhama	15272	Budhni Nulla	GPS Larama, GHS Larama, GPS No.1 Ghari Baloch

5. Vulnerable Points/Locations

Name of point/Locality	Address	Nature of Damages in 2010 flood	Last Damages occurrence	Proposed Evacuation centers
Budhni Pull	Charsadda road near Charsadda road Peshawar	House damages	2010	Govt. schools of the concerned UC's
Daman Afghani	Village Daman Afghani	House damages	2010	Govt. schools of the concerned UC's
Kharhaka dawudzai	Village Kharhaka dawudzai	House damages	2010	Govt. schools of the concerned UC's
Mian Gujar	Village Mian Gujar	House damages	2010	Govt. schools of the concerned UC's
Islamabad koruna	Village Islamabad koruna	House damages	2010	Govt. schools of the concerned UC's
Jala bela	Village Jala bela	House damages	2010	Govt. schools of the concerned UC's
Mamoon khatke	Village Mamoon khatke	House damages	2010	Govt. schools of the concerned UC's
Piyary shaghaly	Village Piyary shaghaly	House damages	2010	Govt. schools of the concerned UC's

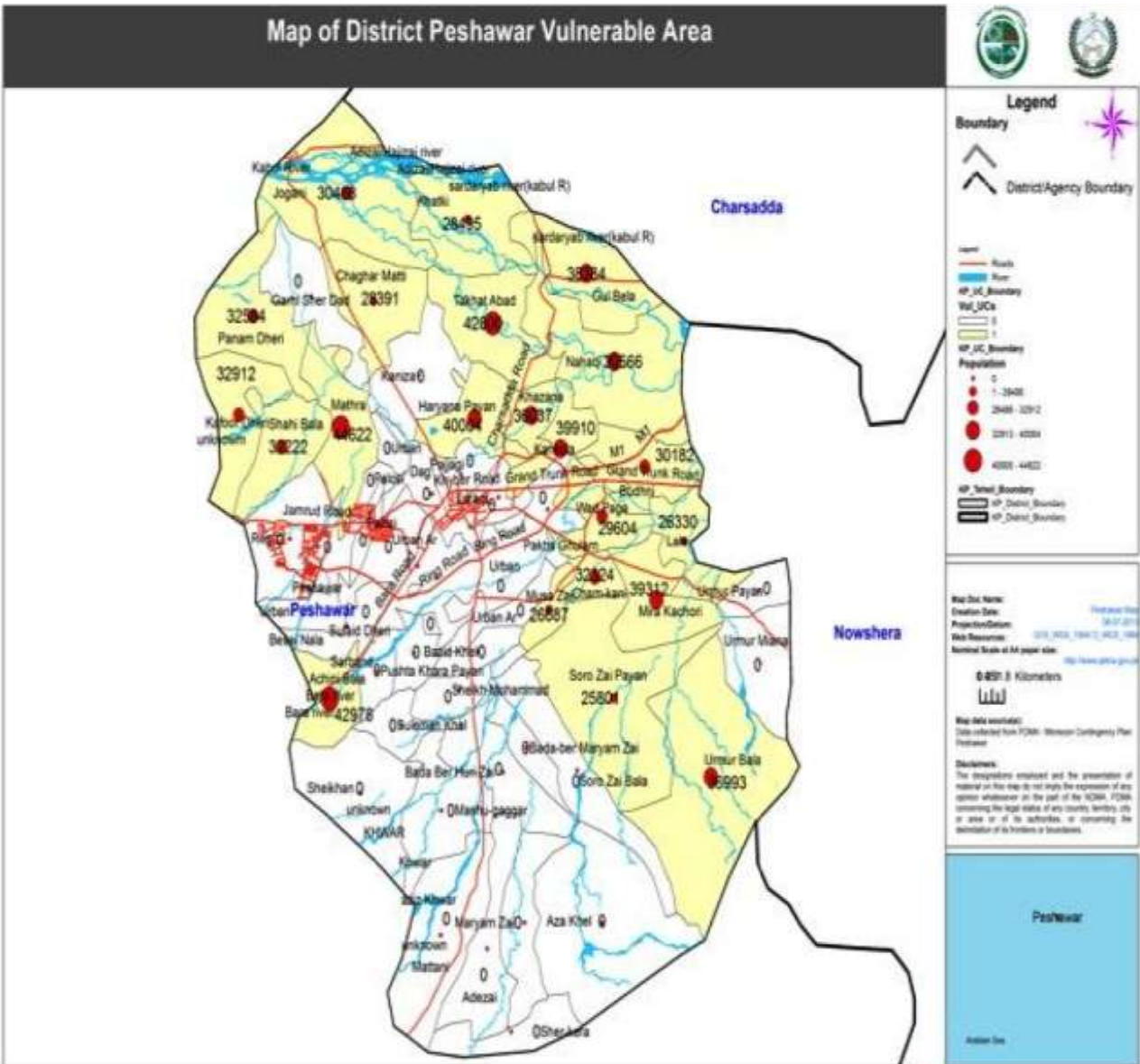
6. Health Facilities

Name	Address/ Contact	No. of Doctors	No. of Nurses/ Paramedics staff	No. of beds	Ambulances available
Lady Reading Hospital	0919211402 0301-8900275	Total: 2000 Emergency 48	P 106 + N 564 EME 25 +62	Total:1850 EME 200	11
Khyber Teaching Hospital	0919216340 0346-5114449	Total: 321 EME 10	Nurses:498 P:101 EME: P 6 + N 7	Total:1200 EME: 26	6

Hayatabad Medical Complex	0919217140	735	Nurses: 310 Paramedics:285	Total:1084 EME: 12	2
Rural Health Centre Regi	Regi	4	2	10	1
Rural Health Centre	Takhtabad	4	2	10	1
Rural Health Centre	Putwar bala	4	2	10	1

7. Early Warning System

S.No	Existing EWS	Location/ Address	Condition Workable/ Non workable	Needs/ Gaps	Recommendations
1	Sirens	CMO Office	Workable	03 Siren Machine(full set)	----
2	Loudspeakers of local Mosques	---	---	---	---
3	Revenue field staff	Tehsil office	Workable	Small loudspeakers 22 in number	---
4	F.M Radio (92.2)	Deputy Commissioner Office Peshawar	Workable	---	---



Map of District Peshawar

District Shangla

1. District Profile

Name of District	SHANGLA
Total Area	1,586 km ²
Total Population(1998 Census)	434,536
Existing (Projected) population	6,69,156 The population growth rate is 3.27% with an average household size of 8 persons per family

2. Important contacts

Name	Designation	Contact information			
		Office	Cell	Fax	Email
Mr. Saadat Hassan	Deputy Commissioner	0996-850005	0333-5585201	0996-850006	dco.shana!a@yahoo.com
Eng: Muhammad Taimoor Afridi	DDMO/AC	0996-850007 0996-850793	0323-9100707	0996-850006	taimoorafriidi_007@hotmail.com

3. Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Villages
Alpurai	Alpurai	09	30
	Chakisar	05	21
	Besham	05	11
Puran	MAKHUZI	03	10
	Matung	03	11
	PURAN	03	20

4. Vulnerable UCs

Name	Population	Name of River/Stream/Nuiiah	Proposed Evacuation Centers
Pir Khana	19467	Kana Khwar / Nullah	1. GHS Oladnder 2. GHSS Shahpur 3. GHSS Beham, Butyal
Damorai	16607	Damorai Nullah /Khan Khwar	
Shahpur	15906	Shahpur Khwar, Sangar Nullah, Gaje Kwar	
Kuz Kana	10368	Kuz Kana Khwar, Barhal Khwar, Chelai Khwar	GHS Lilowani
Lilownai	20511	Lilownai Kwhar, Kass Khwar, Sheshan Nullah, Sagar Nullah,	
Alpurai	20000	Lilownai Khwar Amnavi Nallah	1. GDC Alpruai 2. GHS Aplurai
Dehrai	15000	Lilowani Khwar	1. GHS Dehrai 2. BHU Dehrai
Malak Khel	10000	Amanavi Khwar	1. GDC Alpurai
Ranyal	17041	Sasobay Nullah, Ranyal Nullah, Khan Khwar(Dam)	1. GHSS Besham 2. IPSs Camp at Besham

5. Vuinerable Points/Locations

Name of points/iocaiity	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
1.Lilownai Kalay 2.Banda China 3.Khwar Kalay 4.Naway Kalay 5.Kass	UC Lilownai, Tehsil Alpurai	Heavy rains/ Thunder storms	Flood 2010 Land sliding at Shung Besham on 13/03/2015	GHS Lilownai GGHS Lilownai
1.Muta Khan 2.Kuz Alpurai 3.Raheem Abad	UC Alpurai, Tehsil Alpurai			1.GDC Alpurai
1.Bazar Kot 2.Shalmany 3.Kotkay Bazar	UC Malak Khel Tehsil Alpurai			2.GHS Alpuai
1.Serai 2.Karora Bazar	UC Opal Tehsil Alpurai			
1.Ajmir 2.Bilkanai 3.Ghanshal 4.Larai	UC Pir Khana Tehsil Alpurai			1.IDPs Camp at Besham
1.Damorai kalay 2.Paiz Dara 3.Karshat	UC Damorai Tehsil Alpurai			2.GHSS Shahpur
1.Shahpur kalay 2.Naway Kalay 3.Barkana	UC shahpur Tehsil Alpurai			
1.Kuz Kana 2.Serai	UC Kuz Kana Tehsil Alpuai			
1.Ranyal Kalay 2.Chichlo 3.Sasobay	UC Ranyal Tehsil Alpurai			
1.Tumb 2.Butyal 3.Kunshe	UC Butyal Tehsil Besham			GHSS Besham
1.Dawoot 2.Sarkool 3.Jatkool 4.Ghnangar	UC Sarkool Teshil Chakisar			
1.Chwoga 2.Baina	UC Chwoga, Tehsil Makhuzi			GDC Chakisar
1.Nim Kalay 2.Kadona	UC Aloach, Tehsil Makhuzi			
1.Sundvi 2.chagam 3.Sanila	UC Bar Puran, Tehsil Puran			GDC Puran
1.gandorai/Posheh	UC Kormung, Tehsil Besham			
1.Karai	UC Butyal Tehsil			

2.Besham 3.Butyal	Behsam			1.GHSS Besham 2.IDPs Camp Besham
1.Janrai 2.shung 3.ichar	UC Shung, Tehsil Besham			
1.Dandai 2.Takhta	UC Dandai, Tehsil Besham			

6. Health Facilities

Name	Address/ contacts	No. of Doctors	No. of Nurses / Paramedics Staff	No of Beds	Ambulance Available
Teaching Hospital (s)	--	--	--	--	--
DHQ(s)	District Headquarter Alpurai 0996-850041 0321-9831714	22	Nurses= 25 Paramedics =44	120	11 (02 out of road)
THQ(s)	THQ, Besham 0996- 400212 0346- 2772233	11	Nurses= 12 Paramedics= 22	50	
THQ(s)	THQ, Puran 0333- 8566315	08	Nurses= 05 Paramedics= 30	50	
RHC(s)	RHC at Karora 0996-897601 0333-9277884	02	Nurses=0 Paramedics = 12	12	
RHC (s)	RHC at Chakisar 0345-9887657	03	Nurses=0 Paramedics= 16	20	

7. Early Warning System (EWS)

No early warning system exists in District Shangla, in case of emergency/flood the Police and local Administration will inform the people, to secure them.



Map of District Shangla

District Swabi

1. General Information

Name of District	Swabi
Total area (Sq Km)	1543 Sq K.M
Total Population (1998 Census)	1026804
Existing (projected) population	1654000

2. Important Contacts

Name	Designation	Contact information			
		Office	Cell	Fax	Email
Mr. Matiullah	Deputy Commissioner	0938 221300	03005791090	221917	dcswabi@yahoo.com
Mr. Afsar Ali	DDMO	221401	03339179123	--	asadadc@gmail.com
Mr. Hammad	Incharge Control Room (if other then DDMO)	221500	03437450536 03159737551	--	--

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Village Councils
Swabi	Swabi	14	42
	Topi	11	33
Lahor	Lahor	11	33
	Razar	20	60

4. Vulnerable UCs

S.No.	Name of Union Council	Population	Name of River / stream / Nullah	Proposed Evacuation Centers
1	Saleem Khan	21000	Badri Nullah	Government schools and BHUs in concerned UCs
2	Manari Bala/Shagai	24000	-do-	
3	Tand Koi	19000	Partughaghai Nullah	
4	Manari Payan	23000	Badri Nullah	
5	Panj Pir	20000	Badri Nullah	

Topi

S.No.	Name of Union Council	Population	Name of River / stream / Nullah	Proposed Evacuation Centers
1	Kabgani	13000	Polah Khwar	Government schools
2	Pabani	14000	Kundal	
3	Manai	20000	-do-	
4	Topi	23000	-do-	
5	Batakara	19000	-do-	

Lahor

S.No.	Name of Union Council	Population	Name of River / stream / Nullah	Proposed Evacuation Centers
11	Jehangira	20000	Kabul River	Government schools in vulnerable UCs
12	Ambar	19000	Indus River	
13	Kunda	21000	Badri Nullah	
14	Matani Changan	21000	Indus River	

Razzar

S.No.	Name of Union Council	Population	Name of River / stream / Nullah	Proposed Evacuation Centers
15	Karnak Sher killi	24000	Badri Nullah	Government schools in these UCs
16	Kalu Khan	23000	-do-	
17	Shewa	25000	-do-	
18	Ismaila	26000	-do-	
19	Naranji	19000	-do-	

5. Vulnerable Points / Locations

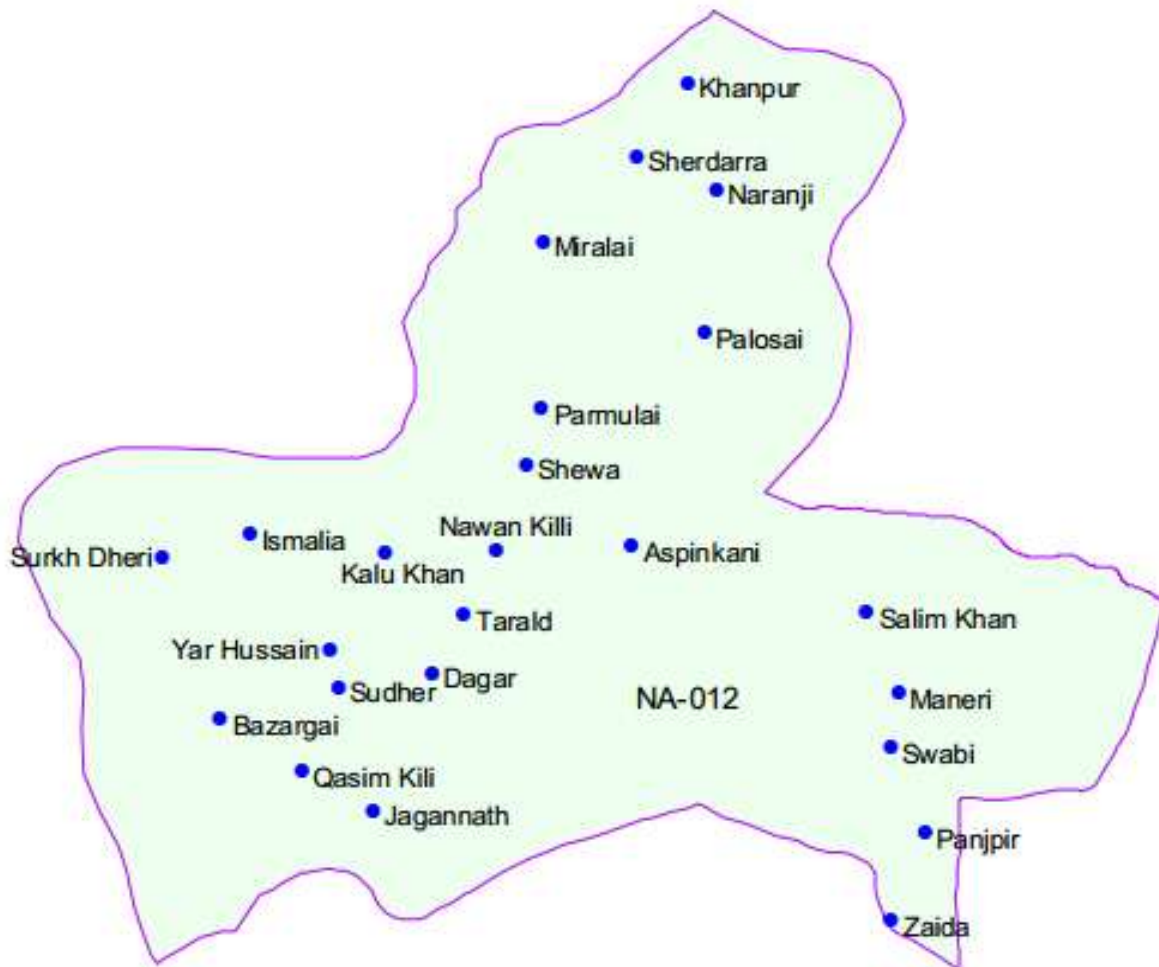
Name of Point / Location	Address	Nature of Damages in 2010 Floods	Last Damages occurrence	Proposed Evacuation Centers
Batakara	Village Batakara	Crops, Cattles, Houses, Mosques, Shops, Hotels, Land Cutting, Trees rooted outed, and losses of human beings.	Nil	University of Swabi, Government High School Lahore, RHCs, Tordher Private Buildings, at Lahore Governments College Lahore, Tehsil Headquarter Building at Lahore
Zarobi	Village Zarobi		--	
Musa Banda	Village Musa Banda		--	
Hund	Village Hund		--	
Haryan	Village Haryan		--	
Ambar	Village Ambar		--	
Jehangira	Village Jehangira		--	
Dobandi	Village Dobandi		--	
Alladher	Village Alladher		--	
Ismaila	Village Ismaila		--	
Adina	Village Adina		--	
Kalu Khan	Village Kalu Khan		--	

6. Health Facilities

Name	Address/ Contact	No of Doctors	No of Nurse/Paramadic Staff	No of Beds	Ambulances Available
BMC/Teaching Hospital	Shah Mansoor	150	750	220	5
DHQ	Swabi	16	34	110	3
RHCs	Swabi	5	150	40	5
BHUs	Swabi	17	30	--	--

7. Early Warning System (EWS)

S.No.	Existing EWS	Location / Address	Condition(Workable/Non Workable)	Needs /Gaps
1	DPO	DPO Office	Yes	Nil
2.	Irrigation	S.E. Office	-do-	--
3.	DDMO	AC Office	-do-	--



Map of District Swabi

District Swat

1. General Information

Name of District	Swat
Total area (Sq Km)	5337 km ²
Total Population (1998 Census)	1246091
Existing (Projected) population	1841770

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mahmood Aslam Wazir	Deputy Commissioner, Swat	0946-9240337 0946-9240340	0333-5109329	0946-9240329	mawazir@hotmail.com
Ashfaq Khan Aramzai	Assistant Commissioner, Babuzai	0946-9240341	0300-9040564	0946-9240329	ahfaqkhan_dir@yahoo.com
	Incharge Control Room (if other than DDMO)				

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Village Councils
Babuzai Sub Division	Babuzai	17	49
Barikot Sub Division	Barikot	04	17
Kabal Sub Division	Kabal.	22	39
Matta Sub Division	Matta	13	46
Khwazakhlea Sub Division	Khwazakhela	07	30
Bahrain Sub Division	Bahrain	08	22
Charbagh Sub Division	Charbagh	04	11

4. Vulnerable UCs

Name	Population	Name of River/stream/ Nullah	Proposed Evacuation Centers
Bahrain, Balakot, Mankyal, Madyam, Beshigram, Terat	125110	Swat River	GHS Bahrain, GHS Mankiyal
Gulibagh, Talegram, Keshaura	73682	Swat River	GHS Gulibagh
Kabal, KozaBandai, Bara Bandai, Hazara, Kanju, KozAbakhel, Bar Abakehl,	237105	Swat River	GHS, Kabal, GHS Koza Bandai and Bara Bandai.

Totanobandai, Qalagay, Kalakalay, Dewlai, Shahdherai, tall			
Kalam, utror		Swat River	GHS Kalam
Barikot, kot, shamozai, galigay	9975	Swat River	GHS, Barikot,
Saidu sharif, mingora, qambar, odigram	317870	Mingora Khawar/ Marghazarkhawar	GHS, wadudiasaidu Sharif.GHS, Mingora.
Matta kharerai, baidara, drushkhela, asharai, darmai, sakhra, chuprail, pirkalai, arkot, shawar, barthana, gwalarai, beha	251456	Swat River/ WenaiKhawar	GHS, Matta, GHSDurushkhela. GHS, Chuprial, GHS, Barthana, GPs Shawar

5. Vulnerable Points/Locations

Name of Point/locality	Address	Nature of Damages in 2010 Floods		Last Damages occurrence	Proposed Evacuation Centers
Swat	Swat	Dead = Injured= HHs Affected= Village Affected= Population isolated= Houses Destroyed= Livestock Damage=	95 220 90665 42 350000 14460 34470	Nil	GHS Bahrain, GHSMankiyal, GHSGulibagh, GHS, Kabal, GHSKoza Bandai and Bara Bandai. GHS, Matta, GHSDurushkhela. GHS, Chuprial, GHS, Barthana, GPs Shawar

6. Health Facilities

Name	Address/Contact	No. of Doctors	No. of Nurses	No. of Beds	Ambulances Available
Teaching Hospital (s)	Saidu Sharif Swat Phone No. 0946-9240126-28 Fax 0946-92440122	104	334	500	06
DHQ (s)					
RHC(s)	1.Rural Health Center Khazana (Dr.FaqirMohamamd Contact No. 03339504147)	05	12	10	1
	2.Rural Health Center Devlai Dr. Bahadar Shah (03447000101)	4	15	24	1

	3.Rural Health Center Chuprial (Dr. Nizamuddin 03449644221)	4	11	10	01
--	---	---	----	----	----

7. Early Warning System (EWS)

S.No	Existing EWS	Location/ Address	Condition (Workable/Non -Workable)	Needs/ Gaps	Recommendations
1-	The Assistant Commissioner, Bahrain was asked to put in place a community based early warning system at Kalam and thus to inform Assistant Commissioner, Khawazakhela about the flood situation. He should further inform Police Control Room and finally the District control Room accordingly.	Bahrain	workable		It is suggested that any other latest type of early warning system which cannot disturb the wireless system of Pak Army same may be provided for further necessary action.
2	As reported by Executive Engineer Irrigation Division Swat telephonically that a team of Contractor has arrived for installation of H.F/V.H.F wireless system in the office premises. But the Pak Army Authorities did not allow for the said installation.	Saidu Sharif.	Non workable		Do

NA-30
Swat-II

a) The following Qarungo Halqas of Swat Tehsil-

i) Khawaza Khela,
ii) Bahrain, and
b) Matta Tehsil
of Swat District.

Population	: 591490
Male	: 173910
Female	: 141726
Total	: 315636



Map of District Swat

District Tank

1. General Information

Name of District	Tank
Total area (Sq Km)	1679 km/Square
Total Population (1998 Census)	236406
Existing (projected) population	10,00000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Ahmad Khan Wazir	Deputy Commissioner	0963-511326	0333-9620187	0963-510300	ddmu.tank@yahoo.
Altaf Ahmad Sheikh	DDMO	0963-512290	0300-9567069	-do-	-do-
Tauseef khan	Computer Operator DDMU office	0963-510835	0302-8799995	-do-	-do-

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Village councils
Tank	Tank	16	101

4. Vulnerable UCs

Name	Population	Name of River/Stream/Nullah	Proposed Evacuation Centers
Gul Imam	16942	Takwarra, Rodh Soheli	Takwarra Government schools
Shah Alam	14852	Rodh Soheli	Government Girls Degree College Tank
Gara baloch	11335	Pir Kach	
Mullazai	15655	Galarrah, Larizen	
Ama Khel	14094	Rodh Soheli	
Pai	15617	Rodh Soheli	
Tatta	15015	Tank Zam	Government Higher Secondary School Tank
Tank-I	17791	Tank Zam	
Tank-II	16139	Tank Zam	
Waraspon	14836	Tank Zam	
Gomal	14454	Gomal Zam	

5. Vulnerable Points/Locations

Name of Point/ Locality	Address	Nature of Damages in 2010 Floods	Last Damages Occurrence	Proposed Evacuation Centers
Tank City	1.Tank Rodhs	Houses	Houses	1.Government Girls Degree College Tank.

	2.Tank Protection Bund.			2. Government HSS Tank.
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6. Health Facilities

Name	Address/ Contact	No. of Doctors	No. of Nurses/ Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital	Nil	Nil	Nil	Nil	Nil
DHQ	Tank City	12	08/30	110	5
RHC	AmaKhel	Nil	Nil/07	20	01
RHC	Gomal Bazar	Nil	2LHW & 3 Para Medics	15	Nil
RHC	Gul Imam	Nil	02 Dhai 01 LHW And 01 Medical Technician	10 Female 20 Male	01

7. Early Warning System (EWS)

S.No	Existing EWS	Location/Address	Condition (Workable/ Non-Workable)	Needs/Gaps	Recommendations
Nil	Nil	Nil	Nil	Nil	Nil



Map of District Tank

District Tor Ghar

1. General Information

Name of District	Tor Ghar
Total area (Sq Km)	454 Sq KM
Total Population (1998 Census)	1,75,000
Existing (projected) population	2,20,000

2. Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	Email
Mr.Sanna Ullah	Deputy Commissioner	0997-214762	--	0997-580188	dctorghar@gmail.com
Sahibzada Najibullah	DDMO	0997-239879	0343-0380222 0334-1111319	0997-580188	sahibzada_najeeb@yahoo.com
Duty as per roaster	Incharge Control Room	0997-214762 0997-239879		0997-580188	ro1khalil123@gmail.com

3. Administrative Profile

Sub Division	Tehsil	No. of Union Councils	No. of Villages
Judba	Judhba	07	18
Hassanzai	Hasanzai	22	53

4. Vulnerable UC s and Villages

Name	Population	Name of River/Stream/Nullah	Proposed Evacuation Center
Koorai	Not available	Shaal Khwar	Tehsil HQ Hassanzai
Laid	--	--Do--	--Do--
Lashora	--	--Do--	--Do--
Kaloo	--	Kaloo Khwar	--Do--
Kandar Twara	--	Twara Khwar	--Do--
Palosa	--	Palosa Khwar	--Do--
Dambosa	--	Sadu Khan Khwar	DHQ Judba (Complex)
Sadu Khan	--	--Do--	--Do--
Dheri	--	--Do--	--Do--

5. Vulnerable Points/Locations

Name of Point/ Locality	Address	Nature of Damages in 2010 Floods	Last Damages Occurrence	Proposed Evacuation Centers
Koorai	District Tor Ghar	Tor Ghar was declared as district in 2010.	House damages, agricultural land	Tehsil HQ Hassanzai andDHQ
Laid				

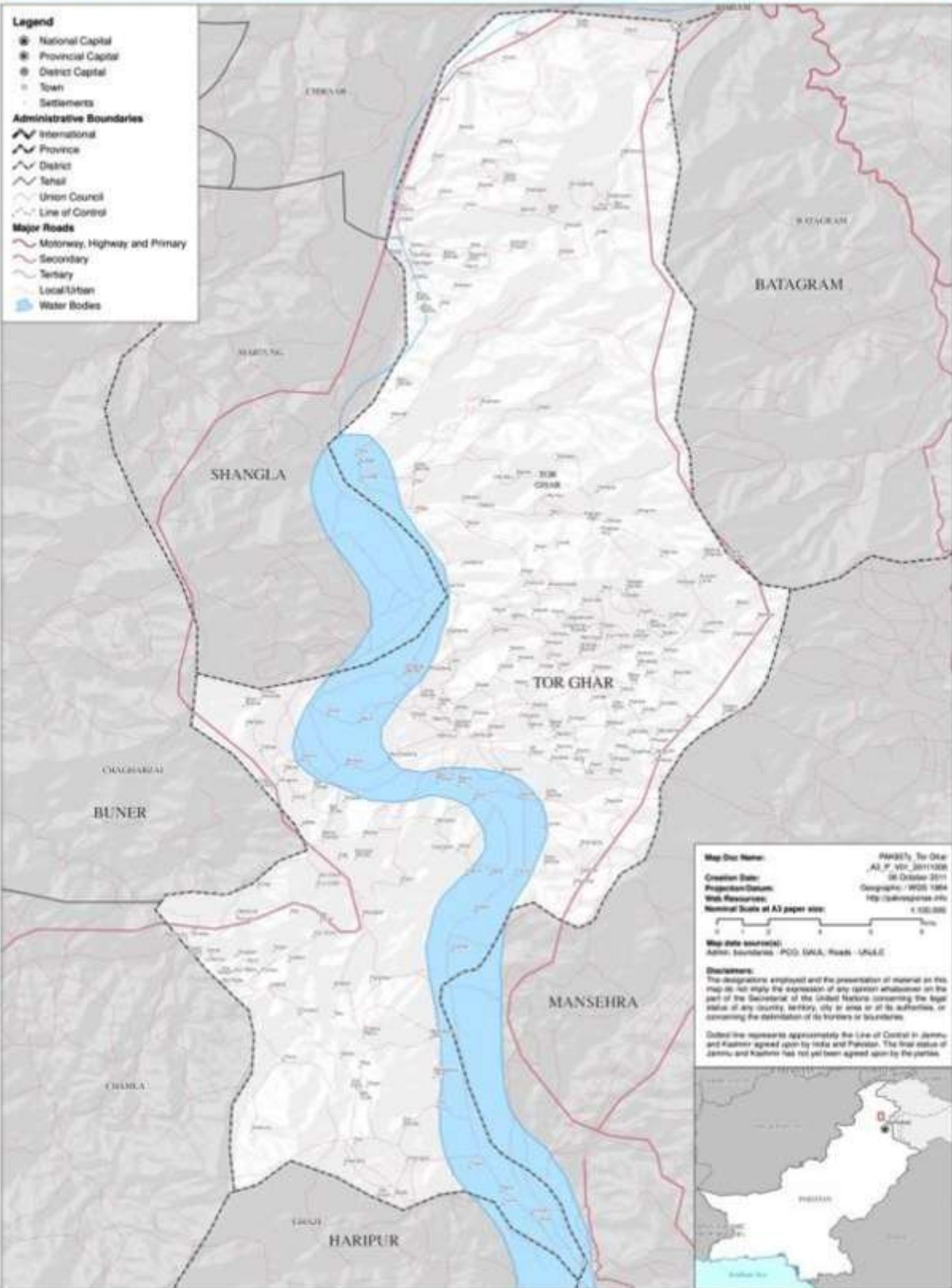
Lashora			and livestock damages	Judba (Complex)
Kaloo				
Kandar Twara				
Palosa				
Dambosa				
Sadu Khan				
Dheri				

6. Health Facilities

Name	Address/ Contact	No. of Doctors	No. of Nurses/ Paramedic Staff	No. of Beds	Ambulance Available
Teaching Hospital	Nil	Nil	Nil	Nil	Nil
DHQ	Nil	Nil	Nil	Nil	Nil
RHCs	Nil	Nil	Nil	Nil	Nil

7. Early Warning System (EWS)

S.No	Existing EWS	Location/ Address	Condition (Workable/ Non-Workable)	Needs/ Gaps	Recommendations
1	Nil	Nil	Nil	Nil	Nil



Map of District Torghar

Chapter-3

Needs and Gaps Analysis

3.1 District level - Needs and Gaps Analysis

The contingency planning consultations with district authorities and provincial departments resulted in pinpointing immediate risk reduction measures both structural and non-structural. Primarily the exercise aimed at (1) identifying pre-monsoon structural and non-structural measures for reducing the adverse impacts and (2) highlighting resources available vis-à-vis the anticipated response (rescue) and humanitarian relief needs, thereby pinpointing the gaps. From this exercise, it is possible to pick out appropriate type and areas (district) of response activities to support people.

In addition, the information in shape of needs and gaps analysis (anticipated caseload) is utilized to calculate in a spreadsheet minimum assistance likely to be necessary to restore normalcy (this can be updated as necessary), and an estimate of overall quantities is gauged. The quantities of material assistance (Food and NFIs) worked out will serve as a contingency planning baseline for the entire province and even at district level. This can be, if required converted to budgetary allocations and / or stockpiling decisions and will also guide initial planning and budgeting estimates.

NEED AND GAP ANALYSIS MONSOON 2015 - PESHAWAR VALLEY

Region/ Districts	Anticipated Needs Pre- Monsoon	Anticipated Needs during and after Floods		
		Rescue	Relief	Public services
Peshawar	Sand Bags Procurement of local available boats	Helicopters, boats and vehicles		Machinery for Removal of carcasses and debris from drainage system, Water supply, restoration of damaged sewerage system
Nowshera	Sandbags, Procurement of local available boats Improvement in Early warning, Training of Civil Defence on rescue boats, Dewatering Pumps	Helicopters, boats and vehicles	Tents, Cooked food , Safe drinking water, POL, Animal fodder, Tents, Vaccination	Water supply, restoration of damaged sewerage system, Machinery for Removal of carcasses and debris from drainage system
Charsadda	Sand Bags Procurement of local available boats	Helicopters, boats and vehicles	Cooked food Safe drinking water POL, Tents, , Vaccination	Machinery for Removal of carcasses and debris from drainage system, Water supply, restoration of damaged sewerage system
Mardan	Sand bags	Vehicles	Food, Drinking water, vaccination	Machinery for Removal of carcasses and debris from drainage system

Swabi	Sand bags	Vehicles	Food, Drinking water, vaccination	Machinery for Removal of carcasses and debris from drainage system
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NEED AND GAP ANALYSIS MONSOON 2015

Region/ Districts	Anticipated Needs Pre- Monsoon	Anticipated Needs during and after Floods		
		Rescue	Relief	Public services
Mansehra	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities	Boats, vehicles	Tents, Cooked food, Safe drinking water,	Removal of carcasses and debris, Water supply, restoration of damaged sewerage system, Water supply
Shangla	Sandbags, Improvement in Early warning against flash flooding	Helicopters, vehicles	Tents, Food for Isolated population ,POL	Restoration of roads and bridges and Water supply
Swat	Sand bags, Improvement in flood warning system against river flooding, Regular updating of weather and flood forecasting Water monitoring system by communities.	Sandbags , Helicopters, boats Local Jallas (Boats),	Tents, Cooked food , Safe drinking water, POL, food for isolated population	Water supply, restoration of damaged sewerage system, Restoration of roads and bridges

Dir Upper	Sandbags, Improvement in Early warning against flash flooding, Regular updating of weather and flood forecasting	Helicopter, vehicles	Cooked food , Safe drinking water, POL, food for isolated population	Water supply, restoration of damaged sewerage system, Restoration of roads and bridges
Lower Dir	Sandbags, Improvement in Early warning against flash flooding, Regular updating	Helicopter, vehicles	Cooked food , Safe drinking water, POL, food for isolated population	Water supply, restoration of damaged sewerage system, Restoration of roads and bridges
Malakand	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense/ communities	Helicopters, boats and vehicles	Food , Safe drinking water, POL, food for isolated population	Restoration of roads and bridges, restoration of damaged sewerage system, Restoration of roads and bridges
Chitral	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities	Rescue equipment for first response	Food, financial aid	Water Supply, restoration of damaged sewerage system, restoration of roads and bridges

Kohistan	Need for enhanced capacity of flash flood rescue , Improvement in flash flood warning system , Regular updating of weather and flood forecasting	Vehicles	Cooked food, Safe drinking water, POL	Restoration of damaged sewerage system, Restoration of roads and bridges
Buner	Regular updating of weather and flood forecasting	Vehicles	Cooked food , Safe drinking water, POL,	Restoration of roads and bridges
Haripur	Regular updating of weather and flood forecasting, Improvement in flash flood warning system , Regular updating of weather and flood forecasting	Vehicles	Cooked food , Safe drinking water, POL,	Restoration of roads and bridges
Abbottabad	Need for enhanced capacity of flash flood rescue, Improvement in flash flood warning system , Regular updating of weather and flood forecasting	Vehicles	Cooked food, Safe drinking water, POL,	Restoration of roads and bridges
Tor Ghar	Need for enhanced capacity of flash flood rescue , Improvement in flash flood warning system , Regular updating of weather and flood forecasting	Vehicles	Cooked food, Safe drinking water, POL,	Restoration of roads and bridges
Battagram	Need for enhanced capacity of flash flood rescue, Improvement in flash flood warning system , Regular updating of weather and flood forecasting	Vehicles	Cooked food, Safe drinking water, POL,	Restoration of roads and bridges

NEED AND GAP ANALYSIS MONSOON 2015

Region/Districts	Anticipated Needs Pre- Monsoon	Anticipated Needs during and after Floods		
		Rescue	Relief	Public services
DI KHAN	Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system
Tank	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system
LakkiMarwat	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting, Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system

Karak	<p>Sand bags</p> <p>Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,</p> <p>Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities</p>	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Water supply, restoration of damaged sewerage system
Kohat	<p>Sand bags</p> <p>Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,</p> <p>Availability of dewatering equipment in urban areas, Enhanced capacity of flood rescue, Water monitoring system by civil defense communities</p>	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Water supply, restoration of damaged sewerage system
Bannu	<p>Sand bags</p> <p>Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,</p>	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system
Hangu	<p>Sand bags</p> <p>Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,</p>	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system

Rescue Items Stock held by District

S. No	District	Excavator	Dumper/Loader	Tractor	Dozer	Boats	OBS	Life Saving Jackets	Rubber Tube	Ropes	Search Lights	Ladders
1	Abbottabad	-	-	-	-	-	-	34	-	-	32	2
2	Bannu	2	-	10	4	-	-	70	-	1	30	-
3	Battagram	-	-	-	-	-	-	20	20	21	-	4
4	Buner	1	1	2	1	-	-	-	-	-	-	-
5	Charsadda	-	1	8	-	6	-	236	80	27	30	-
6	Chitral	14	4	6	-	-	-	-	-	-	-	-
7	DIKhan	-	-	-	-	-	-	-	-	-	-	-
8	Dir Lower	1	1	-	1	-	-	50	15	15	-	10
9	Dir Upper	-	10	1	-	-	-	8	15	2	-	2
10	Hangu	-	-	-	-	-	-	20	40	3	-	2
11	Haripur	-	-	6	-	-	-	-	-	-	-	-
12	Karak	-	-	-	-	-	-	9	-	100	-	-
13	Kohat	-	-	-	-	-	-	30	6	-	5	7
14	Kohistan	-	-	-	-	-	-	-	-	-	-	-
15	LakkiMarwat	-	-	3	-	-	-	-	-	-	3	1
16	Malakand	2	3	1	-	-	-	10	20	5	10	1
17	Mansehra	-	-	-	-	-	-	-	-	-	-	-
18	Mardan	-	-	12	-	-	-	-	20	3	-	1
19	Nowshera	-	-	-	-	-	-	-	44	3	-	1
20	Peshawar	-	-	-	-	21	10	-	-	-	-	-
21	Shangla	-	-	2	2	-	-	-	-	-	-	-
22	Swabi	-	-	-	-	-	-	-	-	-	-	-
23	Swat	-	-	-	-	-	-	160	3	-	-	-
24	Tank	-	-	-	-	-	-	-	-	-	-	-
17	Torghar	-	-	-	-	-	-	-	-	-	-	-
	Total	20	20	51	8	27	10	647	263	180	110	31

Rescue Items Needs & Gaps of District

S. No	District	Excavator	Dumper/Loader	Tractor	Dozer	Boats	OBS	Life Saving Jackets	Rubber Tube	Ropes	Search Lights	Ladders
1	Abbottabad	-	-	-	-	-	-	-	-	-	-	-
2	Bannu	2	-	1	-	4	-	30	-	20	-	-
3	Battagram	-	-	-	-	-	-	100	50	500	500	50
4	Bunner	-	-	-	-	-	-	-	-	-	-	-
5	Charsadda	-	2	2	-	-	-	-	-	-	-	-
6	Chitral	-	-	-	-	-	-	50	-	10	100	5
7	DIKhan	-	-	-	-	-	-	500	15	-	500	-
8	Dir Lower	3	3	-	3	-	-	-	-	-	50	-
9	Dir Upper	-	10	50	-	-	-	4	40	40	-	40
10	Hangu	1	-	-	1	10	10	50	40	10	50	10
11	Haripur	-	-	-	-	-	-	200	50	50	10	5
12	Karak	-	-	-	-	-	-	120	100	1000	100	20
13	Kohat	2	-	-	-	2	2	-	-	10	20	-
14	Kohistan	-	-	-	-	2	2	30	50	10	20	-
15	LakkiMarwat	1	-	3	-	4	3	50	50	50	30	5
16	Malakand	2	1	3	-	-	-	30	50	20	50	100
17	Mansehra	-	-	-	-	-	-	-	-	-	-	-
18	Mardan	-	-	-	-	-	-	-	1000	-	-	-
19	Nowshera	-	-	-	-	-	-	-	-	-	-	-
20	Peshawar	-	-	-	-	-	-	5000	1000	1000	100	100
21	Shangla	-	-	3	3	-	-	10	100	50	20	20
22	Swabi	-	-	-	-	-	-	-	-	-	-	-
23	Swat	-	-	-	-	-	-	-	-	-	-	-
24	Tank	-	-	-	-	-	-	50	100	500	100	100
25	Torghar	-	-	-	-	-	-	-	-	-	-	-
	Total	11	16	62	7	22	17	6224	2645	3270	1650	455

SUMMARY OF NFI's STOCK POSITION HELD BY DISTRICTS

S. No	District	Tents	Mattresses Sleeping bags	Plastic Sheets/ Tarpol	Jerry Cans/coolers	Buckets	Kitchen sets	Stoves	Hygiene Kits	Net Mosquitoes	Dewatering Pumps	Generators
1	Abbottabad	110	-	-	-	37	-	-	-	-	-	-
2	Bannu	999	-	-	-	-	93590 (plates) only	-	-	-	04	05
3	Battagram	50	-	-	-	20	-	400	-	-	-	-
4	Buner	-	-	-	-	-	-	-	-	-	-	-
5	Charsadda	628	122	-	-	100	-	-	-	-	09	-
6	Chitral	1500	2500	-	-	-	-	-	-	-	-	-
7	DIKhan	684	-	-	-	-	130	-	-	240	-	-
8	Dir Lower	619	-	-	-	480	820	-	71	-	05	06
9	Dir Upper	230	-	-	-	08	-	105	-	-	-	-
10	Hangu	1100	-	2	-	20	-	-	-	100	1	2
11	Haripur	250	-	-	-	-	-	-	-	-	-	-
12	Karak	50	-	-	-	10	-	-	-	-	-	-
13	Kohat	250	51	-	-	08	51	02	-	100	01	02
14	Kohistan	200	-	-	-	-	-	-	-	-	-	-
15	Lakki Marwat	4	-	-	100	60	-	-	-	-	02	04
16	Malakand	132	-	-	-	10	-	-	-	20	-	2
17	Mansehra	460	-	12543	299	42	-	8	-	-	-	1
18	Mardan	11	-	-	-	-	-	-	-	-	06	-
19	Nowshera	700	577	09	-	60	04	-	-	190	14	04
20	Peshawar	144	-	-	-	-	-	-	-	-	01	02
21	Shangla	570	500	-	-	50	-	03	-	3000	-	-
22	Swabi	140	-	-	-	-	-	-	-	-	1	-
23	Swat	690	-	-	-	-	-	-	-	300	03	20
24	Tank	530	-	-	-	-	10	-	-	250	05	05
25	Torghar	150	50	-	-	-	-	-	-	70	-	-
	Total	10201	3800	12554	399	905	1015	518	71	4270	52	53

SUMMARY OF NFI's NEEDS & GAPS IDENTIFIED BY DISTRICTS

S. No	District	Tents	Mattresses Sleeping bags	Plastic Sheets/Tarpol	Jerry Cans/coolers	Buckets	Kitchen sets	Stoves	Hygiene Kits	Net Mosquitoes	Dewatering Pumps	Generators
1	Abbottabad	2000	50	4000	5000	200	5000	200	1000	5000	20	50
2	Bannu	1000	3000	1000	1000	1000	1000	1000	3000	3000	20	20
3	Battagram	1000	1500	500	500	500	1000	1000	300	500	05	10
4	Buner	500	1000	3000	1000	1500	2000	-	5000	2000	300	20
5	Charsadda	6667	26667	8889	13333	13333	6667	6667	13333	26667	146	20
6	Chitral	1000	1000	1000	1000	-	500	-	200	500	10	6
7	DIKhan	1000	-	1000	3000	-	2000	1000	5000	2000	20	20
8	Dir Lower	10	50	50	-	-	100	-	200	100	05	-
9	Dir Upper	180	100	100	200	200	50	50	20	100	40	40
10	Hangu	-	1000	1000	400	400	500	400	2500	1000	04	-
11	Haripur	200	200	500	500	300	500	500	500	500	05	05
12	Karak	300	500	200	200	50	150	100	100	500	10	06
13	Kohat	50	-	100	100	100	100	100	-	-	03	-
14	Kohistan	800	1000	2000	500	500	1000	500	1000	1000	50	50
15	LakkiMarwat	500	400	800	400	60	300	200	150	300	02	02
16	Malakand	500	500	800	60	150	33	-	200	1500	15	15
17	Mansehra	210	200	400	100	300	220	200	200	200	6	30
18	Mardan	2000	5000	5000	500	2000	2000	2000	2000	2000	10	-
19	Nowshera	-	-	10	-	140	196	-	200	10	04	-
20	Peshawar	856	5000	10000	5000	5000	5000	5000	1000	5000	47	5
21	Shangla	-	500	1000	500	500	100	200	1000	3000	05	20
22	Swabi	3000	3000	6000	3000	3000	3000	2000	4000	5000	500	200
23	Swat	500	-	4000	100	500	1000	100	1000	500	20	-
24	Tank	500	1000	1000	5000	1000	1000	-	5000	750	04	02
25	Torghar	-	100	-	-	-	-	-	-	-	-	-
Total		22773	51767	52349	41393	30733	33416	21217	46903	61127	1251	521

Summary of NFIs of Pakistan Red Crescent in Khyber Pakhtunkhwa

Pakistan Red Crescent Society is working in following districts of Khyber Pakhtunkhwa

S#	Items	PHQ	Mansehra	Battagram	Kohistan	Shangla	Chitral	Hangu	Bannu	D.I.Khan	Dir	Swat	Total
1	Tents	399	200	200	300	248	300					199	1846
2	Blankets	3877	1400	1400	1500	1320	2430	1400	1400	1780	1400	597	18504
3	Tarps	2782	400	400	600	470	600	1200	250	1200	1200	398	9500
4	Jerry Cans	509	400	400	600	544	334	400	400	400	400	398	4785
5	Stoves	470	200	200	300	200	300						1670
6	Hurricane Lamp	1500	200	200								200	2100
7	Kitchen set	79	200	200	300	248	300	200	179	200	200	199	2305
8	Hygiene Kit	447	200	200	300	248	300	200	118	200	200	199	2612
9	Buckets	116	*			40							156
10	Tub Basin	198								89			287
11	Collapsible Water Container	2135								360			2495
12	Mosquito Nets			200	600	100	600	400	400	400	400	398	3498
13	Shelter toolkit			200				200	200	200	200	199	1199
14	Sleeping bags		284										284
15	Quilts		400										400

LIST OF NFI's STOCK AVAILABLE AT PDMA

S. No.	Items	Stock with PDMA
1	Tents	5436
2	Plastic Sheets	0
3	Blankets	8378
4	Kitchen Sets	59
5	Hygiene Kits	0
6	Jerry Canes	1110
7	Buckets	15
8	Tarpaulin	00
9	Stoves	00
10	Mosquito Nets	2686

Estimated Humanitarian Response (Relief Items) High Impact Scenario 2015

S#	Districts	Anticipated Affected House Hold(HH)	FOOD			Shelter and NFIs						WASH	
			3 Months FOOD HH	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves	Drinking water Population
1	Abbottabad	4,190	76,551,240	1,397	1,397	2,793	4,190	4,190	8,380	8,380	419	4,190	25,140
2	Bannu	8,195	149,724,300	2,732	2,732	5,463	8,195	8,195	16,390	16,390	820	8,195	49,171
3	Batagram	1,688	30,841,538	563	563	1,125	1,688	1,688	3,376	3,376	169	1,688	10,129
4	Buner	1,351	24,689,912	450	450	901	1,351	1,351	2,703	2,703	135	1,351	8,108
5	Charsadda	63,829	1,166,160,450	21,276	21,276	42,553	63,829	63,829	127,659	127,659	6,383	63,829	382,976
6	Chitral	826	15,097,548	275	275	551	826	826	1,653	1,653	83	826	4,958
7	D.I Khan	73,982	1,351,647,588	24,661	24,661	49,321	73,982	73,982	147,964	147,964	7,398	73,982	443,891
8	Hangu	2,807	51,277,445	936	936	1,871	2,807	2,807	5,613	5,613	281	2,807	16,840
9	Haripur	7,279	132,979,368	2,426	2,426	4,852	7,279	7,279	14,557	14,557	728	7,279	43,671
10	Karak	8,083	147,680,709	2,694	2,694	5,389	8,083	8,083	16,166	16,166	808	8,083	48,499
11	Kohat	5,430	99,197,562	1,810	1,810	3,620	5,430	5,430	10,859	10,859	543	5,430	32,577
12	Kohistan	16,489	301,262,808	5,496	5,496	10,993	16,489	16,489	32,979	32,979	1,649	16,489	98,937
13	Lakki Marwat	6,674	121,927,296	2,225	2,225	4,449	6,674	6,674	13,347	13,347	667	6,674	40,042
14	Lower Dir	621	11,344,014	207	207	414	621	621	1,242	1,242	62	621	3,725
15	Malakand	3,975	72,630,883	1,325	1,325	2,650	3,975	3,975	7,951	7,951	398	3,975	23,853
16	Mansehra	5,350	97,737,854	1,783	1,783	3,566	5,350	5,350	10,699	10,699	535	5,350	32,098
17	Mardan	8,218	150,141,359	2,739	2,739	5,479	8,218	8,218	16,436	16,436	822	8,218	49,308
18	Nowshera	60,877	1,112,213,826	20,292	20,292	40,584	60,877	60,877	121,753	121,753	6,088	60,877	365,259
19	Peshawar	37,059	677,074,972	12,353	12,353	24,706	37,059	37,059	74,119	74,119	3,706	37,059	222,356
20	Shangla	8,524	155,729,954	2,841	2,841	5,683	8,524	8,524	17,048	17,048	852	8,524	51,143
21	Swabi	1,561	28,526,858	520	520	1,041	1,561	1,561	3,123	3,123	156	1,561	9,368
22	Swat	7,131	130,289,335	2,377	2,377	4,754	7,131	7,131	14,263	14,263	713	7,131	42,788
23	Tank	9,009	164,592,465	3,003	3,003	6,006	9,009	9,009	18,018	18,018	901	9,009	54,053
24	Upper Dir	1,676	30,612,155	559	559	1,117	1,676	1,676	3,351	3,351	168	1,676	10,053
25	Torghar	0	0	0	0	0	0	0	0	0	0	0	0
	Sub Total	344,824	6,299,931,441	114,941	114,941	229,883	344,824	344,824	689,648	689,648	34,482	344,824	2,068,943

Estimated Humanitarian Response (Relief Items) Medium Impact Scenario 2015

S#	Districts	Anticipated Affected House Hold(HH)	FOOD			Shelter and NFIs						WASH	
			3 Mo FO nth OD s HH	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves Drinking water	Population
1	Abbottabad	1397	25,517,080	466	466	931	1,397	1,397	2,793	2,793	140	1,397	8,380
2	Bannu	2732	49,908,100	911	911	1,821	2,732	2,732	5,463	5,463	273	2,732	16,390
3	Batagram	563	10,280,513	188	188	375	563	563	1,125	1,125	56	563	3,376
4	Buner	450	8,229,971	150	150	300	450	450	901	901	45	450	2,703
5	Charsadda	21276	388,720,150	7,092	7,092	14,184	21,276	21,276	42,553	42,553	2,128	21,276	127,659
6	Chitral	275	5,032,516	92	92	184	275	275	551	551	28	275	1,653
7	Dera Ismail Khan	24661	450,549,196	8,220	8,220	16,440	24,661	24,661	49,321	49,321	2,466	24,661	147,964
8	Hangu	936	17,092,482	312	312	624	936	936	1,871	1,871	94	936	5,613
9	Harripur	2426	44,326,456	809	809	1,617	2,426	2,426	4,852	4,852	243	2,426	14,557
10	Karak	2694	49,226,903	898	898	1,796	2,694	2,694	5,389	5,389	269	2,694	16,166
11	Kohat	1810	33,065,854	603	603	1,207	1,810	1,810	3,620	3,620	181	1,810	10,859
12	Kohistan	5496	100,420,936	1,832	1,832	3,664	5,496	5,496	10,993	10,993	550	5,496	32,979
13	Lakki Marwat	2225	40,642,432	742	742	1,483	2,225	2,225	4,449	4,449	222	2,225	13,347
14	Lower Dir	207	3,781,338	69	69	138	207	207	414	414	21	207	1,242
15	Malakand	1325	24,210,294	442	442	883	1,325	1,325	2,650	2,650	133	1,325	7,951
16	Mansehra	1783	32,579,285	594	594	1,189	1,783	1,783	3,566	3,566	178	1,783	10,699
17	Mardan	2739	50,047,120	913	913	1,826	2,739	2,739	5,479	5,479	274	2,739	16,436
18	Nowshera	20292	370,737,942	6,764	6,764	13,528	20,292	20,292	40,584	40,584	2,029	20,292	121,753
19	Peshawar	12353	225,691,657	4,118	4,118	8,235	12,353	12,353	24,706	24,706	1,235	12,353	74,119
20	Shangla	2841	51,909,985	947	947	1,894	2,841	2,841	5,683	5,683	284	2,841	17,048
21	Swabi	520	9,508,953	173	173	347	520	520	1,041	1,041	52	520	3,123
22	Swat	2377	43,429,778	792	792	1,585	2,377	2,377	4,754	4,754	238	2,377	14,263
23	Tank	3003	54,864,155	1,001	1,001	2,002	3,003	3,003	6,006	6,006	300	3,003	18,018
24	Upper Dir	559	10,204,052	186	186	372	559	559	1,117	1,117	56	559	3,351
25	Torghar	0											
Grand Total		114,941	2,099,977,147	38,314	38,314	76,628	114,941	114,941	229,883	229,883	11,494	114,941	689,648

Estimated Humanitarian Response (Relief Items) Low Impact Scenario 2015

S#	Districts	Anticipated Affected House Hold(HH)	FOOD			Shelter and NFIs							WASH
			3 FO Mont OD hs	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves	Drinking water Population
1	Abbottabad	466	8,505,693	155	155	310	466	466	931	931	47	466	2,793
2	Bannu	911	16,636,033	304	304	607	911	911	1,821	1,821	91	911	5,463
3	Batagram	188	3,426,838	63	63	125	188	188	375	375	19	188	1,125
4	Buner	150	2,743,324	50	50	100	150	150	300	300	15	150	901
5	Charsadda	7092	129,573,383	2,364	2,364	4,728	7,092	7,092	14,184	14,184	709	7,092	42,553
6	Chitral	92	1,677,505	31	31	61	92	92	184	184	9	92	551
7	Dera Ismail Khan	8220	150,183,065	2,740	2,740	5,480	8,220	8,220	16,440	16,440	822	8,220	49,321
8	Hangu	312	5,697,494	104	104	208	312	312	624	624	31	312	1,871
9	Harripur	809	14,775,485	270	270	539	809	809	1,617	1,617	81	809	4,852
10	Karak	898	16,408,968	299	299	599	898	898	1,796	1,796	90	898	5,389
11	Kohat	603	11,021,951	201	201	402	603	603	1,207	1,207	60	603	3,620
12	Kohistan	1832	33,473,645	611	611	1,221	1,832	1,832	3,664	3,664	183	1,832	10,993
13	Lakki Marwat	742	13,547,477	247	247	494	742	742	1,483	1,483	74	742	4,449
14	Lower Dir	69	1,260,446	23	23	46	69	69	138	138	7	69	414
15	Malakand	442	8,070,098	147	147	294	442	442	883	883	44	442	2,650
16	Mansehra	594	10,859,762	198	198	396	594	594	1,189	1,189	59	594	3,566
17	Mardan	913	16,682,373	304	304	609	913	913	1,826	1,826	91	913	5,479
18	Nowshera	6764	123,579,314	2,255	2,255	4,509	6,764	6,764	13,528	13,528	676	6,764	40,584
19	Peshawar	4118	75,230,552	1,373	1,373	2,745	4,118	4,118	8,235	8,235	412	4,118	24,706
20	Shangla	947	17,303,328	316	316	631	947	947	1,894	1,894	95	947	5,683
21	Swabi	173	3,169,651	58	58	116	173	173	347	347	17	173	1,041
22	Swat	792	14,476,593	264	264	528	792	792	1,585	1,585	79	792	4,754
23	Tank	1001	18,288,052	334	334	667	1,001	1,001	2,002	2,002	100	1,001	6,006
24	Upper Dir	186	3,401,351	62	62	124	186	186	372	372	19	186	1,117
25	Torghar	0											
Grand Total		38,314	699,992,382	12,771	12,771	25,543	38,314	38,314	76,628	76,628	3,831	38,314	229,883

OVERVIEW OF NFI'S STOCK POSITION AND GAP ANALYSIS

S. No	Items	Stock with Districts	Stock with PDM A	Stock with PRC S	Total Stock Held	Requirements			Deficiency/Gap			Cost High Impact	Cost Medium Impact	Cost Low Impact
						High Impact Scenario	Medium Impact Scenario	Low Impact Scenario	High Impact Scenario	Medium Impact Scenario	Low Impact Scenario			
1	Tents	10201	5436	1846	17483	114941	38314	12771	97458	20831	-4712	1,461,870,000	312,460,000	-
2	Plastic Sheets/Tarpaulin	12554	0	9500	22054	114941	38314	12771	92887	16260	-9283	130,041,800	22,763,533	-
3	Blankets	905	8378	400	9683	224034	74678	24893	214351	64995	15210	643,053,000	194,985,000	45,629,000
4	Kitchen Sets	1015	59	2305	3379	344824	114941	38314	341445	111562	34935	682,890,000	223,124,667	69,869,556
5	Hygiene Kits	71	0	2612	2683	344824	114941	38314	342141	112258	35631	325,033,950	106,645,417	33,849,239
6	Jerry Canes	399	1110	4785	6294	689648	229883	76628	683354	223589	70334	136,670,800	44,717,733	14,066,711
7	Buckets	905	15	156	1076	689648	229883	76628	688572	228807	75552	275,428,800	91,522,667	30,220,622
8	Stoves	518	61	1670	2249	344824	114941	38314	342575	112692	36065	171,287,500	56,346,167	18,032,389
9	Mosquito Nets	4270	2686	3498	10454	689648	229883	76628	679194	219429	66174	436,721,742	141,092,633	-
Total Funds Required												4,262,997,592	1,193,657,816	211,667,517

Funds needed for in-Camp/Evacuation Centers Population

Item/Cost	High Impact Scenario	Medium Impact Scenario	Low Impact Scenario
Est: Affected population	344,824	114,941	38,314
NFIs	3,601,190,893	973,055,583	190,332,244
FIs	6,299,931,441	2,099,977,147	699,992,382
Total	9,901,467,158.00	3,073,147,671.00	890,362,940.00

It is assumed that 2/3 of the affected population will move to host community while 1/3 will be shifted to evacuation centers.

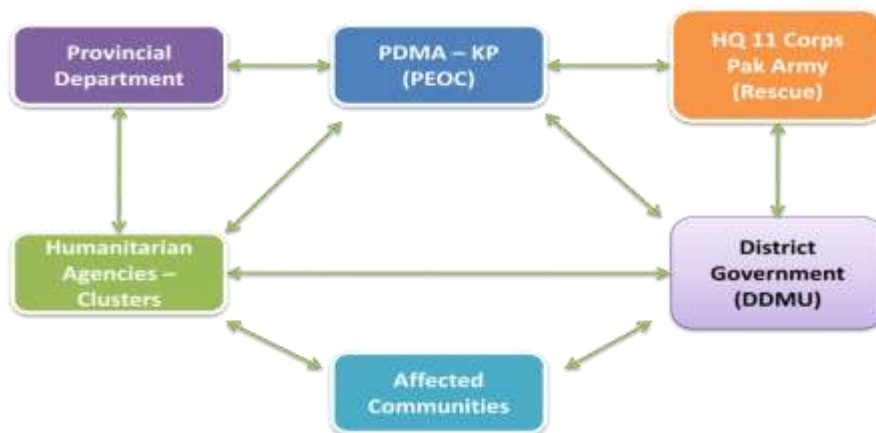
Chapter-4

Monsoon Preparedness and Planning-Coordination Mechanism

4.1 Coordination mechanism

The coordination mechanism entails horizontal coordination with host of government line departments and autonomous bodies that furnish early warning, undertake search and rescue, conduct relief operations and meet needs of vulnerable segments, while vertical coordination occurs with Districts. PDMA coordinates execution of these functions with all provincial entities and federal agencies i.e. Pak Armed Forces, NDMA, Emergency Relief Cell, National Logistic Cell, Pakistan Metrological Department etc. PDMA also constitutes the point of contact for deploying external assistance for disaster response through the General Coordination Meeting (GCM) to UN agencies, INGOs and donors consistent with provincial and national policies. Similar processes are followed at the district tier by DCs assisted by the newly formed DDMUs.

Coordination Mechanism for Monsoon 2015



4.2 Roles & Responsibilities

4.2.1 District Administration:

- i. Formulation of District level contingency plans
- ii. Ensure gender balance in the need assessment
- iii. Development and availability of sex disaggregated data
- iv. Establishment of control rooms and dissemination of contact details
- v. Arrangements for Quick dissemination of flood warning and establishment of Observation Posts (OPs) on the likely flood areas.
- vi. Activation of Civil defence staff and volunteers for rescue and relief operations
- vii. Identification of flood disaster prone areas and threatening water channels
- viii. Earmarking evacuation arrangements routes, building and guidance etc
- ix. District level food stock (wheat) and NFIs quantities and locations
 - x. Coordination with humanitarian agencies i.e. INGOs, NGOs and UN agencies
 - xi. Need and gap analysis of funds and stores.
- xii. Formulation of comprehensive health response plans in coordination with DHO.
- xiii. Carry out necessary liaison with Pak Army, Frontier Constabulary and Scouts for initiation of rescue operations.
- xiv. Tasking of police authorities in evacuation and keep law and order
- xv. Identification and removal of encroached areas along with BOR staff and municipalities.
- xvi. Excavation work of threatening water channels
- xvii. Maintenance of flood protection works in respective district with sand bags and locally available material.
- xviii. The training of human resource, especially for operating rescue boats
- xix. Coordination and tasking of all relevant departments for putting in place requisite preparedness measures before the monsoons

4.2.2 Irrigation Department

- i. Establishment of Provincial and district level Flood Emergency Cells
- ii. Formulate and execute flood emergency response plan
- iii. Establishment of Flood/water Monitoring Network
- iv. Provide early warning:
 - a) 16 – 24 hours warning along Swat River
 - b) 5-7 hours along Kabul
 - c) 36 – 48 hours along Indus at DI Khan
- v. Removal of encroached areas with the assistance of DCs, TMA and C&W

- vi. Necessary liaison with Pak Army, Frontier Constabulary and Scouts for initiation of flood fighting operations (DI Khan Only)

4.2.3 Communication and Works Department

- i. Establishment of Provincial Flood Emergency Cell
- ii. Formulate and execute flood emergency response plan
- iii. Identification of vulnerable infrastructure (buildings, roads and bridges)
- iv. Preposition available machinery/ plants at vulnerable areas
- v. Restore severed land communication
- vi. Liaison with local Army Authorities

4.2.4 Health Department

- i. Establish a Health Emergency Preparedness and Response Cell- HEPR
- ii. Carry out detailed planning with district officials (EDOs) and formulate district level health plans for execution
- iii. Carry out need and gap analysis for medicines and required stocks
- iv. Availability of segregated health staff figures (No of female and no of male doctors)
- v. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls

4.2.5 Food Department

- i. Keeping stock of wheat available as per the requirement at various places in the province
- ii. Ensuring availability of other food items in the disaster prone as well as disaster affected areas.
- iii. Arrangement of warehouse facility where required.

4.2.6 Information Department

-
- i. Establishment of a flood emergency control room/unit
 - ii. Broadcast advance warnings to sensitize the public
 - iii. Guide the public about the nearby safer places, routes and other precautionary measures
 - iv. Publication of the flood-related reports on daily-basis in the local, regional and national newspapers
 - v. Advocating for responsible and ethical reporting
 - vi. Arrange press briefings/press conferences for any officer/official
 - vii. Awareness raising on the needs of vulnerable groups in disasters

4.2.7 Disaster Management Authority -PDMA

- i. Carry out flood preparedness coordination meetings with districts and provincial departments
- ii. Formulate provincial monsoon contingency plan
- iii. Carrying out response & relief operation.
- iv. Coordinating with early warning centres of Irrigation department, Meteorological department, Army, WAPDA etc.
- v. Heading Composite Team (comprising representatives of Lead Agency/Department and focal persons of support organizations) to coordinate response & relief operations
- vi. Establishment of Provincial Emergency Operation Centre
- vii. Arrangement of requisite funds and resources to make up the gaps in preparedness measures
- viii. Undertake need based coordination with all UN Agencies and other humanitarian partners to fill in the response and relief gaps before, during and after floods
- ix. Coordination with Pak Army for initiating emergency response if required
- x. Information sharing about resources developed for targeting the needs of vulnerable groups in disasters

4.2.8 Local Government& Rural Development Department

- i. Establishment of a provincial flood emergency control room/unit
 - ii. Arrange potable drinking water and sanitation facilities for flood affected areas
 - iii. Preparation of municipality-wise list/stock position of flood emergency response equipments and machinaries
 - iv. Removal of carcasses and debris after floods
-
- v. Contingency plans for immediate restoration of water supply, sanitation, cause ways, culverts, links roads, street lights and public latrines
 - vi. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls
 - vii. Arrange for requisite Water and Sanitation in all the earmarked evacuation centres in coordination with education department

4.2.9 Municipalities:

- i. Chief Municipal Officers (CMO) to be declared focal person.

- ii. Removal of encroachments through close coordination with Revenue, Irrigation and other relevant departments
- iii. Keep close liaison and coordination with respective DC"s and DDMU"s round the clock during the emergency
- iv. C/MOs and their staff should be trained/sensitized by the respective DC"s/ DDMU for monsoon emergency response and role and responsibilities
- v. Cleanliness of sewerage and nullah by the respective municipalities.

4.2.10 Public Health Engineering Department

- i. Establishment of a provincial flood emergency control room/unit
- ii. Arrange potable drinking water and sanitation facilities for affected areas
- iii. Contingency plans for immediate restoration of water supply, sanitation, cause ways, culverts, links roads, street lights and public latrines
- iv. Removal of carcasses and debris after floods
- v. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls
- vi. Arrange for requisite Water and Sanitation in all the earmarked evacuation centres in coordination with education department

4.2.11 Education (E&SE) Department

- i. Establishment of a provincial flood emergency control room/unit
- ii. Provide segregated data on no of enrolled children in a specific district
- iii. Provide support to the District Admin for establishing evacuation centres in schools /colleges
- iv. Identification of all schools/ colleges earmarked for evacuation centres
- v. Arrange continuation of education in flood affected areas
- vi. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls
- vii. Initiate activities to ensure safeguarding children in emergencies
- viii. Ensuring continuity of education in affected areas.

4.2.12 Agriculture Department

- i. Establishment of a provincial flood emergency control room/unit
- ii. Arrange for live stock fodder and vaccination cover of live stock
- iii. Arrange for provision of seeds and agriculture inputs after floods

- iv. Arrange for de-silting of channels and levelling of Agri- land
- v. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls

4.2.13 Home and Tribal Affairs Department

- i. Facilitate DCs through Police Wireless Net in case of communication failure of other networks i.e. provision of necessary hardware and a dedicated frequency for emergency use of DCs before during and after floods/monsoon.
- ii. Facilitate the irrigation department flood monitoring / gauging persons in communication and transmitting of water flow and discharge information through Police Wireless Network, wherever wireless equipped police station or post exists in vicinity of irrigation department gauge.
- iii. Security arrangements for camps and evacuation centres.

4.2.14 Civil Defence:

- i. Establishment of Flood Emergency Control Cell in respective districts
- ii. Keeping the volunteers on alert
- iii. Performance of rescue operations
- iv. Assist in the performance of relief activities.

4.2.15 Emergency Rescue Service (Rescue 1122)

- i Establishment of Flood Emergency Control Cell in respective districts.
- ii Performance of rescue operations

4.2.16 Provincial Police

- i. Maintain law and order situation in the districts and assist district administration for an orderly evacuation if such situation arise
- ii. Facilitate DCs through Police Wireless network in case of communication failure of other networks.
- iii. Facilitate the Irrigation Department flood monitoring / gauging persons in communication and transmitting of water flow and discharge information through Police Wireless Network, wherever wireless equipped police station or post exists in vicinity of Irrigation Department gauge.

4.2.17 Pakistan Meteorological Department (Regional Office Peshawar)

- i. Establishment of Flood Emergency Control Cell
- ii. Provide reliable and in time weather forecasts for Khyber Pakhtunkhwa and its catchment areas

- iii. Coordinate, liaison and exchange (credible and comprehensible) information with Irrigation Department and PDMA for early warning as agreed

4.2.18 Environment Forest Department

- i. Undertake assessment of vulnerabilities of the natural resources
- ii. Minimize the cutting of trees before and during monsoons
- iii. Arrange for removal the logs from Nullah and stock them at safe places.

4.2.19 Social Welfare Department

- i. Formulate Flood Contingency and Response Plans, catering for the needs of women, children and other socially vulnerable groups
- ii. Keep the flood response stocks available and carry out need and gap analysis
- iii. Provide support to the Provincial / District Governments to cover the needs of socially vulnerable groups
- iv. Share data regarding vulnerable population in a particular district (persons with disabilities, women headed households, orphan children etc)

4.2.20 Humanitarian Community- UN Agencies, Pakistan Red Crescent Society PRCS,

INGO's & NGO's

- i. Formulate their organizational Flood Contingency and Response Plans consistent with provincial and national policies, to cater for the unmet response needs as given in tables 13-17.
- ii. Ensure that contingency plans are meeting the needs of vulnerable segment of the population in a more targeted manner
- iii. The HRT consolidates the cluster Flood Contingency and Response Plans with PDMA.
- iv. Through the forum of the GCM the consolidated Flood Contingency and Response Plans is shared with PDMA KP.
- v. Through the GCM pre-agreement will be reached for joint assessment and monitoring based on the model agreed at the Federal level between NDMA and OCHA and training of enumerators will be assured.
- vi. At the GCM PDMA KP coordinates the deployment of humanitarian assistance and flood response consistent with provincial plan, and based on the results of the common needs assessment or tasked to do so. Special attention will be given to:
 - a. The immediate relief needs of the affected communities such as food & water, shelter, health and NFIs during and after the monsoon season see table 20 to 25.
 - b. Follow-up relief measures should preferably include support for repair of houses, repair/replacement of health infrastructure, repair/replacement of community damaged infrastructure, replanting of Rabi crops, education and to immediately recover main source of income to support in meeting their needs.

- c. Special emphasis will be placed on the identification of the weaker and vulnerable groups in society that suffer worst from floods, especially, the young and the very old, women, the disabled and certain occupational groups. Identification and extension of appropriate relief packages for such groups will also be a priority.

vi The humanitarian community will report progress on a regular basis using the 4Ws monitoring tool.

4.2.21 Pakistan Army (HQ 11 CORPS)

- i. Establish flood Coordination Centres as per Army's Plan
- ii. Assist provincial government in search & rescue and response operations when called in aid of civil administration
- iii. Coordinate with PDMA and other departments to make up the short falls

4.3 Monsoon Preparation Measures & Strategies

4.3.1 PDMA Flood Preparedness Measures

- ✓ PDMA has undertaken a series of flood preparedness meetings with districts and provincial departments. This contingency plan is the outcome of the consultations.
- ✓ **Articulation of Command and Control:** DG PDMA in consultation with Secretary, RR&S Department and Chief Secretary will be responsible for Flood Response & Relief Operations. Director Relief PDMA on his behalf will head a Composite Team (comprising representatives of Lead Agency/Department and focal persons of support organizations) to coordinate response & relief operations.
- ✓ All relevant departments/Agencies to provide focal person / representative to form part of the provincial response team when requested.
- ✓ **Provincial Emergency Operation Centre:** established in PDMA shall receive and transmit flood / water level information thrice in flood season and on hourly basis during emergency.
- ✓ **Early Warning:** Early Warning (EW) especially resulting in evacuation of an area or areas will not be issued by any single provincial department. However, local DC has the authority to do so if the condition/ situation demands. For issuing timely EW and evacuation advisory a joint cell of Provincial Irrigation Department, Metrological Department and PDMA has been established. PEOC after consultation with all relevant parties will only issue Early Warning and evacuation advisory if required in coordination with local DC at provincial level.

- ✓ To make up for the deficiencies in Flood Early Warning System and to receive real time information on water levels for onward dissemination, Metrological Department and Irrigation Departments along with PDMA KP have arranged following:
 - Finalization of arrangements to provide reliable and in time weather forecasts for KP and its catchment areas and putting in place a practical system for flood early warning
 - Reaching standardization on flood threat levels for evacuation of area (s)
 - Making the information received from Metrological and Irrigation departments i.e. water level and weather forecasts comprehensible and impending threat related
 - In addition, the DCs are also tasked for putting in place a network of community level organizations and community volunteers in the catchment areas, especially for mountainous districts, to receive real time information on water levels resulting in early warning.
 - PDMA has placed requisite funds at the disposal of all DCs. The DCs are directed to utilize the funds to make up any deficiency in preparedness measures for 2015 monsoons.
 - 101 boats and 121 OBMs (Out Board Motor) were placed at the disposal of Army Headquarters 11 Corps in 2011 and new procurement of boats and OBMs is in process. Newly procured Boats and OBMs will be handed over to Pak Army for rescue operations as and when procured.
 - PDMA shall undertake need based coordination with all UN Agencies and other humanitarian partners to fill in the response and relief gaps before, during and after floods. If needed a separate coordination mechanism will be notified for this purpose.
 - PDMA will coordinate with all UN agencies and humanitarian partners to maintain a stock of at least 1/3 of required humanitarian needs (Food and NFI including shelter) for the 2015 monsoon season.

4.3.2 District Level Flood Preparedness

Districts across province reflect diverse capacity to respond. However, based on the experience of 2010 floods all the districts have already put in place a comprehensive mechanism for prevention, mitigation and response of floods. The DCs assisted by the DDMOs will spearhead the response. The district governments have to ensure performance of the following functions:

- District level contingency plans have been made and notified.
- District level control rooms will be operational (24 hours) from 15th June 2015 till 30th September 2015. The control rooms will be district focal points for flood response and will essentially perform coordination and information management functions. (Details of control rooms/ focal persons appended)

- To receive real time information about water levels, a network of community level organizations and community volunteers have been organized in the catchment areas, especially for mountainous districts.
 - For quick dissemination of flood warnings, revenue department and irrigation departments have to make joined efforts. Moreover, mosques, schools and other community networks shall also be utilized.
 - Irrigation department have been tasked to establish Observation Posts on the likely areas and forewarn the emerging threat.
 - District level food stock (wheat) quantities and locations have been notified
 - The NFIs stocks available with district government are accounted for and notified.
 - Civil defence staff and volunteers where they exist have been made fully functional.
 - All sensitive flood disaster prone areas and threatening water channels have been identified and notified.
 - DCs have taken on board all the humanitarian agencies i.e. INGOs, NGOs and UN agencies present in the district.
 - The evacuation centres are earmarked with the assistance of education department and have been notified
 - For sensitive government buildings and record each department has made its own SOPs
 - Requisite funds and stores have been requested by the districts from PDMA.
 - District level coordination meetings have been held resulting in clear roles and responsibilities of all relevant departments in case of any emergency
 - DCs along with district health have formulated comprehensive health response plans.
 - DCs have directed the works and services staff to keep strict vigilance on the roads and bridges and initiate necessary measures whenever required.
 - Necessary liaison has been done/ underway with Pak Army, Frontier Constabulary and Scouts for initiation of rescue operations.
-
- The local police authorities have been directed to assist in evacuation and keep law and order situation in case of any situation.
 - The encroached areas are identified and DCs along with DOR and TMA staff are initiating the requisite measures. In addition at some places excavation work of threatening water channels is also under way.
 - The training of human resource is underway, especially for operating rescue boats with the assistance of Pak Army.

ARMY WATER RESCUE ASSETS—LATEST POSITION FOR MONSOON 2015

FLOOD RESCUE EQUIPMENTS

Location	Equipment				
	Boats	OBM's	Night Boat Assembly	Search Lights	Tubes
Nowshera	10	13	2	2	20
Mingora	10	10	1	2	75
Peshawar	35	39	5	7	95
Akora	7	7	2	2	20
Risalpur	21	26	1	1	-
D I Khan	7	12	3	6	60
Kohat	10	12	1	2	30
Total	100	119	15	22	300

PAK ARMY EARTH MOVING EQUIPMENTS—LATEST POSITION FOR MONSOON 2015

Equipment	Peshawar	Kohat	Swat	D I Khan	Akora	Total
Dozers Size II	1	2	9	1	2	15
Dozers Size IV	2	3	-	-	-	5
Wheel Dozer	1	3	1	3	-	8
FE Loaders	1	1	1	1	-	4
Motor Graders	3	2	3	3	-	11
JCB	2	2	2	2	-	8
Cranes	1	2	1	1	2	7
Road Roller	2	-	-	-	-	2
Excavator	-	-	1	1	-	2

Army has arranged trainings for Police department, Civil Defense and Rescue 1122 staff in operating rescue boats.

4.3.4 Irrigation Department Flood Preparedness Measures

The provincial Irrigation Department has established a Flood Emergency Cell, Hydrology Department. The XEN Hydrology will be the focal person of the department. The emergency cell will be operational 24 hours from 15th June 2015. The cell will collect and transmit the information thrice daily in flood season and hourly in emergency situation. The contact details are appended as annexure.

Flood monitoring network with the gauges present at various locations has been established. The department has 180 river water and 58 rain water gauging sites. The department will issue early warning as under:

- 16 – 24hours warning along Swat River
- 5-7 hours along Kabul
- 36 – 48 hours along Indus at DI Khan
- District level Flood Emergency Cell will also be established in flood prone district from 15th June onwards till recession of floods.
- The encroachments identified shall be removed with the assistance of DCs, MA and C&W Department.
- In D.I.Khan Flood Advisory Committee headed by Chief Engineer will be reactivated with the following composition:

Chief Engineer (South)	Chairman
Chief Engineer (North)	Member
Director General, Small Dams Organization	Member
Director General, Flood Damages Restoration Directorate	Member
Member IRSA	Member
Chief Engineer, Irrigation department	Member
<hr/>	
Technical Representative of Commissioner DIKhan	Member
Technical Representative of 174 Engr Battalion, Army	Member
Superintending Engineer Irrigation DIKhan	Member

Irrigation Department Pre Monsoon Flood Mitigation Strategies

- Field staff will carry out inspection of barrages, head works, escape gates along with other important regulation gates and flood protection bund & communication system.
- Repair of all protection structures have been carried out.

4.3.5 Communication and Works Department Preparedness Measures:

- The provincial C&W Department will establish a Flood Emergency Cell in the office of DG FDRD, Peshawar. It will be operational 24 hours from 1st June 2015. The contact details are appended as annexure.
- Available machinery/ plants have been prepositioned at vulnerable areas in Shangla, Dir lower/Upper, Swat and Buner to restore the accessibility. The details of plant/ machinery are attached at annexure.

4.3.6 Transport Department Response Measures

The department shall coordinate the evacuation of affected population in an orderly manner. The RTAs in respective divisions have been directed to coordinate with respective DCs for needful arrangements.

4.3.7 Health Department Flood Preparedness Measures

- The Health Department has established a Health Emergency Preparedness and Response Cell- HEPR in Peshawar. The contact details are appended.
- The department has carried out detailed planning with district officials (EDOs) and district level health plans are in place for 2015 monsoon.

4.3.8 Food Department Flood Response Measures

The department is keeping stock of wheat available as per the requirement at various places in the province. The detail of wheat stock held is attached as Annexure-F.

4.3.9 Information Department Flood Response Measures

The Directorate of Information during the upcoming monsoon season 2015 in the interest of the people has arranged following:

- The Pakhtunkhwa Radio FM 92.2 MHz Peshawar and Pakhtunkhwa Radio FM 92.6 MHz Mardan will broadcast advance warnings to sensitize the public as soon as they are received. Both the FM Radios will also guide the public about the nearby safer places, food stuff, health-care facilities, health tips and other precautionary measures.
- Besides ensuring the publication of the flood-related reports of the Irrigation Department on daily-basis in the local, regional and national newspapers, the Directorate will also arrange press briefings/press conferences for any officer/official.
- The FM Radio Stations, whenever needed, will broadcast special programs to facilitate the flood-affectees and officers from the health, irrigation, population.

- The directorate will liaison with all other concerned departments to participate in such programs to share their views.

4.3.10 PMD Preparedness Measures

- PMD to provide information on meteorological and geophysical matters and contributes in early warning of natural hazard due to meteorological, hydrological & geophysical phenomenon.
- PMD Flood Forecasting Division has 45 telemetric rainfall network stations in country. There are 101 rainfall gauging stations in Pakistan in which 18 are installed in Khyber Pakhtunkhwa.
- Doppler Weather Radar is installed in Sialkot & Lahore with a radius of 230 KM hence it is ineffective in Khyber Pakhtunkhwa.
- Regional Meteorological Centre (RMC) has Met Observatory working in 14 districts of Khyber Pakhtunkhwa.

Tables

LIST OF EMERGENCY EQUIPMENT AVAILABLE WITH ERS (RESCUE-1122) LOGISTIC ARRANGEMENTS FOR EMERGENCIES/ DISASTERS (PESHAWAR)

(A) Vehicles		
	Types	Quantity
Department Level	1.Rescue Vehicle	04
	2.Recovery Vehicle	01
	3.Excavator	01
District Level	1.Rescue Vehicle	02
	2.Recovery Vehicle	01
	3.Excavator	01
LIST OF DISASTER EQUIPMENTS		
Name	Quantity	Remarks
Search Camera	01	OK
Hydraulic Cutter	01	OK
Chipping Hammer	04	OK
Listening Device	01	OK
Rotery Hammer Drill	04	OK
Chain Saw	04	OK
Disc Cutter(K.12)	04	OK
Light De Watering Pump	02	OK
Heavy De Watering Pump	01	OK

LOGISTIC ARRANGEMENTS FOR EMERGENCIES/DISASTERS OF FLOOD

Vehicles		
	Types	Quantity
Deaprtment Level	Water Rescue Van (PWRV-01)	01
District Level	Water Rescue Van (PWRV-01)	01

Status of Boats

Type	Quantity	Remarks
Inflatable Rubber Boat	02	OK
Rubber Boat	05	OK

LIST OF AVAILABLE EQUIPMENTS OF RESCUE - DISTRICT MARDAN

S. No	Description	Quantity	Remarks
01	Ambulances	09	
02	Fire vehicles	05	
03	Rescue vehicles	02	
04	Inflatable Boats	02	
05	Dewatering Pump large	01	
06	Dewatering Pump small	02	
07	OBM Machine	02	
08	Life Jackets		
09	Water Browser		

PROVINCIAL EMERGENCY OPERATION CENTRE (PEOC) in PDMA

Incharge Name	Telephone Number	Fax Number
Mr. Nadeem Khan A.D IT	091-9213845	
	091-9213959	091-9212059
	091-5274625	
	091-5274339	

CONTACT LIST OF PDMA				
S.No	Name	Desigation	Mobile Phone	Extension
1	Mr. Amer Afaq	Director General	0346-9072848	105
2	Mr. Muhammad Khalid	Director (HR/Administration)	0334-9373333	110
4	Ms: Robin Haider	Deputy Director (T&A)	0331-5743448	139
5	Mr. Qaseem Khan Kakar	Deputy Director (Ops & Coord)	0332-0955826	137
6	Mr. Jan Israr	Deputy Director (F&A)	0347-5095507	141
7	Mr. Dil Nawaz Khan Wazir	Incharge PDMA-PEOC/ Assistant Director (O&C)-II	0300-9060428	126
8	Mr. Zia-Ur-Rehman	Assistant Director (O&C)-I	0345-9800895	113
9	Mr. Abdullah Shah	Assistant Director (Warehouse)	0333-9338074	133
10	Mr. Ishtiaq Ahmad	Assistant Director (Admn)	0344-9193094	111
11	Mr. Tajdar Khan	Assistant Director (MIS)	0345-9045841 0315-2121371	116
12	Mr. Faheem Khalil	Assistant Director (Proc:)	0333-8583330	133
13	Ms. Aieda Qureshi	Assistant Director (Estt)	0334-9099810	140
14	Ms. Qurat-Ul-Ain Wazir	Assistant Director (T&A)	0333-585960	121
15	Mr. Shehzad Ameer	Assistant Director (B&R)	0343-9840046	102
16	Mr. Wajid Ali Khan	Assistant Director (DRM)	0313-9531283	107
17	Mr. Ijaz Khan	Assistant Director (M&E)	0335-9325137	136
18	Mr. Azmatullah Wazir	Assistant Director (Relief)	0333-9302515	123
19	Mr. Abid Ali	AD(B&R)	0333-1588811	141
20	Mr. Muhammad Kashif	Assistant Director (internal Audit)	0321-9169636	141

COMMISSIONERS CONTACT LIST

Name	Division	Office	Fax	Mobile
Mr. Kifayatullah khan	Malakand	0946-9240225,0946-9240185	0946-9240229-178,0946-9240223(house)	0300-5945292
Muhammad Akbar Khan	Hazara	0992-9310111/9310222/9310444	0992-9310467	0333-4487989
Mr. Khalid Husain	Mardan	0937-9230572-74	0937-9230578	0345-1000084
Mr. Munir Azam	Pesahwar	091-9211337	091-9214085	0300-4276763
Syed Jamaluddin Shah	Kohat	0922-9260002	0922-9260105	0300-5828786
Mr. Asmat Ullah Khan	Bannu	0928-9270044	0928-9270041	0333-5795791
Mr. Zakir Hussian Afridi	D I Khan	0966-9280351	0966-9280352	0300-5866532

DEPUTY COMMISSIONERS CONTACT LIST

District	Name of Officer	Office	Residence	Fax	Mobile
Abbottabad	Capt Regd Khalid Mehmood	0992-9310200/01-24	0992-9310204	0992-9310202	0300-0727771
Bannu	Mr.Muhammad Ayaz	0928-9270032	0928-9270032	0928-9270079	0342-6668883
Battagram	Mr. Zariful Maani	0997-310030/310136	0997-311421	0997-310051	0333-9506649
Buner	Mr.Khaista Rehman	0939-510450	0939-510454	0939-510427	0345-9176883
Charsadda	Mr.Fazal-ur-Rehman	091-9220021/9220024	091-9220024	091-9220021	0300-5908162

Chitral	Mr. Amin-Ul-Haq	0943-412055/412519	0943-412519	0943-412421	0300-5871094
D.I.Khan	Mr. Nisar Ahmad	0966-9280116	0966-9280022	0966-9280110	0345-4744721
Dir Lower	Muhammad Suhail Khan	0945-9250003/09459250032	0945-9250002	0945-9250001	0332-1714723
Dir Upper	Dr. Imran Hameed	0944-880394	0944-880104	0944-881130	0300-9669334
Hangu	Syed Mujeeb ur rehman	0925-621175	0925-623968	0925-620050	0300-9029242
Haripur	Mr.Hamayun khan	0995-613389	0995-611149	0995-615412	0333-9106754
Karak	Muhammad Shoaib khan	0927-210825	0927-210600	0927-210925	0322-

	Jadoon				4020002
Kohat	Cap ® Kamran Ahmad	0922-9260268	0922-9260031	0922-9260031	0333-9189606
Upper Kohistan	Mr. Zafr-ul-islam	0998-407002	0998-407193	0998-407001	0300-5484888
Lower Kohistan	Mr. Inam Ullah	0998-405091	0998-405113	0998-405092	0332-9535735
LakkiMarwat	Mr. Ihsanullah	0969-538330-1	0969-538331	0969-538333	0300-5990819
Malakand	Mr. Muhammad Ali Abbas	0932-411482/414880	0932-411002	0932-413199	0310-9900477
Manshera	Mr. Amer Khattak	0997-304148	0997-920174	0997-305513	0347-9777799
Mardan	Mr. Shahidullah	0937-9230047-48	0937-9230477	0937-9230303	0343-9744944
Nowshera	Mr. Zaka Ullah Khattak	0923-9220099/98	0923-9220098	0923-9220159	0345-9401402
PESHAWAR	Mr. Riaz Mehsood	091-9212302	091-9211338	091-9212303	0300-8599055
Shangla	Mr. Saadat Hassan	0996-850005	0996-850008	0996-850002	0333-5585201
Swabi	Mr. Matiullah Khan	0938-221300	0938-221220	0938-221917	0300-5791090
Swat	Mehmood Aslam	0946-9240340	0946-9240338	0946-9240329	33335109329
Tank	Mr. Ahmed Khan Wazir	0963-511326	0963-511326	0963-510300	0333-9620187
Tor Ghar	Mr.Sana ullah	0997-239879	997214762	0997-322029	3367751424

CONTACT LIST OF DDMOs

S.No.	Name	District	Mobile Phone	PTCL	Offcie Fax
1	Mr. Khawaja Faheem	DIR UPPER	0312-5757159	0944-880278, 0944-880506	0944-881130
2	Mr. Noor Wali Khan	CHARSADDA	0347-5000002	091-9220137/haron0333-9319906	091-9220026
3	Mr. Abdul Hameed Khan	NOWSHERA	0313-9154632	0923-9220234/9220104	0923-9220220
4	Mr. Taimur Khan	SHANGLA	0333-9100707	0996-850793/3337	0996-850006
5	Mr. Ishfaq Khan	SWAT	0300-9040564	0946-9240341	0946-9240329
6	Mr. Altaf Ahmad Shiekh	TANK	0300-9567069	0963-512290	0963-510300
7	Mr. Suleman Lodhi	D I KHAN	0300-8554655	0966-9280117	0966-9280110

8	Mr. Muhammad Abid	Kohistan Upper	0333-5056348	0998-407029	0998-407001
9	Mr. Muhammad Asif	Kohistan Lower	03345573972	998405130	998405092
10	Mr. Ayaz	DIR LOWER	0345-8078320	0945-9250029	0945-9250001
11	Mr. Mumtaz Ahmad	PESHAWAR	03339221822/haseeb 0332-9085616	091-9212304	091-9212303,091-9214025
12	Mr. SHER ALAM	Lakki Marwat	0343-9392543	0969-538332	0969-350955
13	Capt. Aurangzeb	BANNU	0333-5480546	0928-9270039	0928-9270079
14	Mr. Yasir Ali	Battagram	03005959407	0997-312189,310136	0997-310051
15	NAVEED AHMAD	MANSEHRA	0336-9957653	0997-300751	997305513
16	Ali Asghar	KOHAT	0333-5215858	0922-9260046	922926245
17	Mr. Shehryar	Buner	3008379517	0939-510234/510450	0939-510427
18	Mr. Rasheed Ghafoor	CHITRAL	0302-5976631	0943-413686,0943-412368	0943-413686
19	Mr. Hafiz Attaul Munim	KARAK	0346-9502684	0927-210710	0927-210825
20	Mr. Muhammad Ali Bukhari	Haripur	0333-4365937	0995-613389	0995-615412
21	Mr. Ishfaq Ahmad	Malakand	0345-4818489	0932-412254	0932-413199
22	Mr. Mir Raza Ozgen	Abbotabad	0345-8550381	0992-9310203	0992-9310202
23	Mr. AFSAR ALI SHAH	Sawabi	0333-9179123	0938-221402	938221917
24	SAHIBZADA NAJIB ULLAH	Tor Ghar	0343-0380222/0334-1111319	0997-214762/0997-322529	997322029
25	Mr. Khan Muhammad	Mardan	0333-9362836	0937-9230701	0937-9230303
26	Mr. Abdul Ghafoor	Hangu	0300-0193777	0925-622682/623782	0925-623782

SUMMARY OF HEALTH FOCAL PERSONS & FACILITIES IN DISTRICTS

Focal Persons & Contact Numbers

S No	Districts	Focal Person & Contact Number	
1	Abbotabad	Dr. Minhaj ul Haq	# 0333 505 7383
2	Bannu	Dr. Talea Mohammad	# 0300 906 8767
3	Battagram	Dr. M Saleem	# 0333 505 1120
4	Buner	Dr. Abdul Wahid	# 0342 962 4269
5	Charsadda	Dr. Akhuzada Zafar Ali	# 0345 940 6902
6	Chitral	Dr. Israr Ullah	# 0305 960 9474
7	D I Khan	Dr. Aziz Ullah	# 0345 982 1128
8	Dir Upper	Dr. Nazar Mohammad	# 0336 937 2230

9	Dir Lower	Dr. Tanvir	# 0333 900 1234
10	Hangu	Dr. Shakoor Rahman	# 0302 565 4556
11	Haripur	Dr. Sher Bhadar	# 0312 980 0291
12	Kohat	Dr. Arif Bokhari	# 0333 961 7672
13	Karak	Dr. M Ayaz	# 0301 875 2439
14	Kohistan	Dr. Taj Mohammad	# 0302 350 9804
15	Lakki Marwat	Dr. Abdur Rahman	# 0345 985 6667
16	Mansehra	Dr. S Ijaz A Shah	# 0334 501 8718
17	Malakand	Dr. Tanveer Inam	# 0333 900 1234
18	Mardan	Dr. Zahoor	# 0307 572 6912
19	Nowshehra	Dr. Abu Zar	# 0300 588 2054
20	Peshawar	Dr. Arshad Amir	# 0333 911 9465
21	Swat	Dr. Tariq Khan	# 0346 942 1220
22	Swabi	Dr. Inam Ullah Khan	# 0300 574 1077
23	Shangla	Mr. Kamal Zada	# 0308 818 2857
24	Tank	Dr. Kashif	# 0300 594 4123
25	Torghar	Dr. Fazale Wadood	# 0333 969 6872

TOTAL HEALTH FACILITIES

S. No	Districts	Teaching Hospitals	DHQs	CH/THQs	RHCs	BHUs	CDs	Tot HF's
1	Abbotabad	1	1	1	9	53	43	107
2	Bannu	1	1	0	2	34	26	63
3	Battagram		1	1	2	28	9	41
4	Buner		1	3	4	18	8	34
5	Charsadda		1	2	3	45	7	58

6	Chitral		1	3	6	19	28	57
7	D I Khan	1	1	4	2	39	31	77
8	Dir Upper		1	3	3	32	13	52
9	Dir Lower		1	2	5	31	22	61
10	Hangu		1	1	1	13	3	19

11	Haripur		1	3	5	39	6	54
12	Kohat	1	1	2	5	20	9	37
13	Karak		1	1	5	19	0	26
14	Kohistan		0	0	4	34	1	39
15	Lakki Marwat		1	3	5	27	8	44
16	Mansehra		1	9	9	49	58	126
17	Mardan	1	1	1	4	49	17	72
18	Malakand		1	1	5	20	9	36
19	Nowshetra		1	1	7	30	10	49
20	Peshawar		0	3	6	49	32	90
21	Swabi		1	2	4	40	9	56
22	Swat	1	1	7	3	41	18	70
23	Shangla		1	2	2	15	12	32

24	Tank		1	0	3	18	8	30
25	Torghar		0	0	0	9	0	09

Health Teams

S No	Districts	Mobile (in numbers)	Static /Fixed
1	Abbotabad	2	4

2	Bannu	0	1
3	Battagram	4	4
4	Buner	0	8
5	Charsadda	0	0
6	Chitral	2	10
7	D I Khan	12	15
8	Dir Upper	6	6
9	Dir Lower	8	0
10	Hangu	3	3
11	Haripur	12	9
12	Kohat	3	1
13	Karak	0	0
14	Kohistan	4	37
15	Lakki Marwat	2	4
16	Mansehra	6	2
17	Malakand	0	1
18	Mardan	25	91
19	Nowshehra	710	101
20	Peshawar	12	16
21	Swat	6	7
22	Swabi	90	8
23	Shangla	3	2

24	Tank	5	31
25	Torghar	Nil	Nil

LIST OF CONTACTS OF COMMUNICATION & WORKS DEPARTMENT

EMERGENCY CONTROL ROOM C&W SECRETARIAT

S.No	Name	Office No	Mobile No
1	Engr. Zulfiqar Ali DS (Tech)	091-9210373 9210867	Fax 03339118083
2	Engr. Babar Majeed SO (Roads)/ Focal Person	091-9210850 9210867	Fax 03009358563

EMERGENCY CONTROL ROOM PAKHTUNKHWA HIGHWAYS AUTHORITY (PKHA)

S.No	Name	Office No	Mobile No
1	Engr Javed Ihsan MD PKHA	091 9210557 Fax 9213154	03149035674
2	Engr. Ilyas Shah Director (Maintenance)	091 9210963 Fax 9213154	03339137465
3	Engr. Ijaz DD (Center)	091 9210444 Fax 9213154	03005905767
4	Engr. Barkatullah DD (North)	0946 9240118	03005709884

C&W FOCAL PERSONS FOR DISTRICTS

S.No	District	Name	Office No	Mobile No
CHIEF ENGINEER (EQAA WING)				
1	Abbottabad	Engr. Yousaf Shah Executive Engineer	09929310242	03008112728
2	Battagram	Engr. M. Nisar Executive Engineer	09947310004	03438973715

3	Mansehra	Engr. Qudraullah sahab Executive Engineer	0979920190	03339287145
4	Torghar	Engr. M Arif Executive Engineer	0997440211	03469065019
5	Haripur	Engr. Syed Raffaqat Shah Executive Engineer	0995611836	03459589203
6	Kohistan	Engr. Tasadduq Hussain Executive Engineer.	0998407107	03439226187
CHIEF ENGINEER (CENTRE WING)				
7	Peshawar	Engr. Imran Hussain Executive Engineer	0919211371	03005731517
8	Nowshera	Engr. M Sajid Executive Engineer	09239220154	03429638774
9	Charsadda	Engr. M Tariq Executive Engineer	0919220092	03009027095
10	Kohat	Engr. Jamshid Khan Executive Engineer	09229260227	03009725333
11	Bannu	Engr. Fazal E Wahab Executive Engineer	09289270137	03459527733
12	Karak	Engr. Ghulam Yazdani Executive Engineer	0927210783	03469140098
13	Tank	Engr. M Shahid Executive Engineer	0963510190	03445288780
CHIEF ENGINEER (CENTER WING)				
14	D I Khan	Engr. M Tariq Executive Engineer	09669280558	03009090579
15	Lakki Marwat	Engr. Bakh Rawan Executive Engineer	0969538255	03429222007
16	Hangu	Engr. Kafayatullah Executive Engineer	0925621509	03009123442
CHIEF ENGINEER (NORTH WING)				
17	Mardan	Engr. Amir Jan Executive Engineer	09379230038	03459794662

18	Swabi	Engr. Aziz Khatak Executive Engineer	0938221337	03005762618
19	Swat	Engr. Asif Imran Executive Engineer	09469240454	03459008666
20	Malakand	Engr. Amin Ul Khaliq Executive Engineer	0932412486	0339112457
21	Dir Upper	Engr. Naveed Iqbal Executive Engineer	0944880836	03329471021
22	Dir Lower	Engr. Rahmat Hakim Executive Engineer	0945925019	03005828317
23	Buner	Engr. Aamir Jamal Executive Engineer	0939510328	03005616231
24	Chitral	Engr. M Arif Executive Engineer	0943413400	-
25	Shangla	Engr. Sajjad Haider Executive Engineer	0943413400	03339464824

FOCUL PERSONS OF HQ ENGINEERS 11 CORPS PESHAWAR

S. No.	Name	Contact No.
1.	Lt. Col Asim Bin Waheed, Staff Officer Grade I	0300-5818081
2.	Major Shahzad Alam, Staff Officer Grade II	0336-5713435

EMERGENCY RESCUE SERVICE RESCUE-1122

S.No	Name	Office No	Mobile No
1	Dr. Asad Ali Director General	091-9222483-4 Fax 091-9222487	0300-8593032
2	Muhammad Ayaz Director (Ops)	091-9222490	0333-9128713
3.	Mr. Urooj Sherazi PRO	091-9222486	0333-9978988

CIVIL DEFENCE DIRECTORATE & DISTRICT OFFICES

S. No	Distirct	Name & Designation	Telephone Number
1	Civil Defence Directorate	Mian Adil Iqbal Director	091-2263158
2	Civil Defence Directorate	Mr. Shamsher Ali Deputy Director	091-2263158
3	Peshawar	Mr. Hidayatullah Civil Defence Officer	091-9212176
4	Kohat	Mr. Muhamamd Ajmal Civil Defence Officer	0922/9260044
5	Abbottabad	Mr. Noor Alam Civil Defence Officer	0992/9310214
6	Mardan	Mr. Waheed Ul Haq Civil Defence Officer	0937/9230263

7	D I Khan	Mr. Imdad Hussian Civil Defence Officer	0966/9280282
8	Swat	Mr. Abdus Sattar Civil Defence Officer	0946/9240328
9	Charsadda	Mr. Muhamamd Ali Shah Civil Defence Officer	091-9220025
10	Malakand	Mr. Shamsheer Wali Civil Defence Officer	0932-411031
11	Upper Dir	MR. Saeedullah Civil Defence Officer	0944-881200
12	Batagram	-	0997-310090
13	Nowshera	Mr. Zahir Shah	0923-923055
		Instructor Incharge	
14	Bannu	Mr. Akram Khan Instructor Incharge	0928/9270190 PP 412464
15	Chitral	Mr. Muhammad Wazir Instructor Incharge	0997/300146 Nearest Number
16	Manshera	Mr. Aftab Ahmad Instructor Incharge	0945/9250140
17	Lower Dir	Mr. Shah Qadam Instructor Incharge	0925/511337 0925/622621
18	Hangu	Mr. AmanullahShah Instructor Incharge	0942/220468
19	Bajaur Agency	-	0924/210310
20	Khyber Agency	-	0924/210310
2	Kurram Agency	-	0926/3611801
22	NWA	Mr. Ghulam Nawaz Civil Defence Officer	03469263817
23	Mohmand Agency	-	0924/290170
24	SWA	Mr. Nazeer Hussain Instructor Incharge	0963/512198
25	Orakzai Agency	Mr. Laiq Hussain Instructor Incharge	0925/650045

PAKISTAN METEOROLOGICAL DEPARTMENT

Headquarters Office Sector H-8/2 Islamabad

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Email: PakMet_Islamabad@yahoo.com ; pmd@pakmet.com

Name & Designation	Office	Residence
<i>Iftikhar Ahmed Mir</i> Director General, Met. Services , Islamabad	(051)9250367 Fax: 051-9250368	(051)9250367
<i>Hazrat Mir</i> Chief Meteorologist,, NDMC, Islamabad	(051)9250595 Fax: 051-9250368	0321-9070513
<i>Muhammad Amjad</i> Senior Private Secretary to Director General, Islamabad	051-9250593	051-9238761 0300-9441915
<i>Dr. Ghulam Rasul</i> Chief Meteorologist, Research & Development Division, Islamabad	051-9250369	0301-5577145
<i>Muhammad Riaz</i> Chief Meteorologist, Flood Forecasting Division, Lahore	042-99200208 Fax: 042-99200209	0300-8026286
<i>Naeem Shah</i> Chief Meteorologist National Seismic Monitoring Centre, Karachi	021-99261404 021-99261413 0301-2626123	021-99218271

HOUSEHOLD CASELOAD FOR MONSOON CONTINGENCY PLAN 2015

1 HH comprises of approx. 6 persons

HH caseload (High Impact)	HH damages in 2010 x Annual Growth Rate in Housing Sector (i.e. 2.68% taken from research conducted by Ministry of Commerce Govt. of Pakistan)
HH caseload (Medium Impact)	1/3 rd of High Impact
HH caseload (Low Impact)	1/3 rd of Medium Impact

DETAIL OF NFI TO BE PROVIDED

S. No.	Items	Details
1.	Tents*	1 per each HH
2.	Plastic Sheets*	1 per each HH
3.	Blankets*	2 per each HH
4.	Tarpaulin*	1 per 10 people
5.	Kitchen Set	1 per each HH
6.	Hygiene Kits	1 per each HH
7.	Jerry Cans	2 per each HH
8.	Buckets	2 per each HH
9.	Stoves	1 per each HH
10.	Drinking Water Population	No. of HH x 6

(*approx 1/3rd of affected population expected to live in camps)

APPROVED NFI & FI STANDARDS

Food Items

S No	Name of Item	Quantity
1	Wheat Flour	40 Kg
2	Matches	4 No
3	Rice (Sella No 1)	5 Kg
4	Dry Milk Factory Pack	910 Gm
5	Ghee	3 Kg
6	Sugar in Pack	3 Kg

7	Dall Channa (Packed)	2	Kg
8	Dal Mong (Washed)	1	Kg
9	Dal Masoor	1	Kg
10	Chilli Powder	200	Gm
11	Iodized Salt	800	Gm
12	Mineral Water (Nestle)	1	Bottle
13	Tea	476	Gm

STANDARD HYGIENCE KIT/ DIGNITY KIT FOR WOMEN

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

SHELTER

Item Name	Specification
Tents	Size 4 x 5 meter, Double Ply Single fold, water proof, rot proof, central height: 2.20 meter, Wall Height 0.90 meter, Upper Ply PVC coated cloth on both sides (450 GSM), Lower Ply cotton canvas 450 GSM, color natural white not dyed, Plastic Ground Sheet of 4.5 x 5.5 meter, 2 doors, 1 window & 1 ventilator on each side of wall, Iron poles & pillars of 18 gauge pipe with all accessories, Shipping Weight 75 KG approx, Packing (tent poles & Accessories in 1 bundle). ISO 9001 certified. The Words "PDMA Khyber Pakhtunkhwa" with its official logo must be indelibly printed with green color on both sides at the middle for maximum visibility having size of 1x2 meter.

NON-FOOD ITEMS

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