

2014

MONSOON CONTINGENCY PLAN

This document is the plan of provincial government of Khyber Pakhtunkhwa for combating potential floods disaster of forthcoming season of monsoon 2014



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	Pakistant Red Cresecnt 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

Risk and uncertainty are increasing in the region due to climate change, greater frequency of extreme events, warmer temperatures and increased incidence of temperature-influenced diseases and pests. It is observed that a 100km west-ward change has been emerged in monsoon region as a result of climate change. This change has caused huge and unpredicted rainfalls in past 3 years in Pakistan particularly in Khyber Pakhtunkhwa. It is also observed that with the massive changes in the weather pattern, the entire Peshawar valley has entered into the monsoon range.

Khyber Pakhtunkhwa due to its geographical and topographical conditions is the most vulnerable province to floods. As observed in 2010 when the monsoon season brought with it massive destruction on a scale not previously recorded in the region. The magnitude of the calamity can be gauged from data compiled by the Federal Flood Commission, which states that the flow of rivers Swat and Kabul combined touched a new historical height of 400,000 cusecs as against the previous figure of 250,000 cusecs recorded in 1929. Another fact highlighted by the floods 2010 was the shortest response time the province can get in case of any such disaster.

This Contingency Plan is an effort by the Provincial Government of Khyber Pakhtunkhwa to remain prepared for any such event in Monsoon 2014 and respond in the best possible and coordinated manner. The Contingency Plan has been prepared after various consultations with Provincial Departments, NDMA, Federal Agencies, Army Corps of Engineers/ 11 Corps, District Administrations, PRCS, Humanitarian Community including DRR Forum and NHN. The Contingency Plan has been designed for three different scenarios extreme and the medium and low or likely scenario, keeping in view the PMD recent weather forecast and due to the fact that PDMA making efforts to start with pre positioning of stocks and resources to be ready for pre-monsoon spells as well. The Contingency plan is taking cognizance of the monsoon 2013 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 inclusive document. The Contingency Plan also takes into consideration the gaps and shortcomings especially in current Early Warning Systems with a forecast range of only 3-4 days and its very limited or no coverage in Khyber Pakhtunkhwa

Chapter-1

Monsoon Contingency Plan 2014

1.1 An Overview

While rapid changes in the weather pattern have increased vulnerabilities caused by natural disasters particularly monsoon floods, both flash and riverine, to the Khyber Pakhtunkhwa, an integrated and scientific approach is direly needed to handle catastrophe caused by the flood. Provincial Disaster Management Authority (PDMA) Khyber Pakhtunkhwa is striving hard to line up all of available resources and techniques, in collaboration with stakeholders to mitigate and be prepared for floods in future.

Unfortunately the Provincial Government due to various constraints has not yet been able to invest in the flood management systems. Low water storage capacities of the existing structures, absence of effective regulations and very limited or no early warning systems are the major issues facing the province which hinders effective flood risk management model.

The early warning system mainly relies on flood gauging through telemetry system installed by WAPDA and the system deployed by the provincial Irrigation Department. 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, a 30 per cent decrease 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 less 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 develop 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 a 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 25 districts which are further divided into 69 Tehsils and 986 UCs. The total number of *Mouzas* /villages is 7335 as per 1998 census.

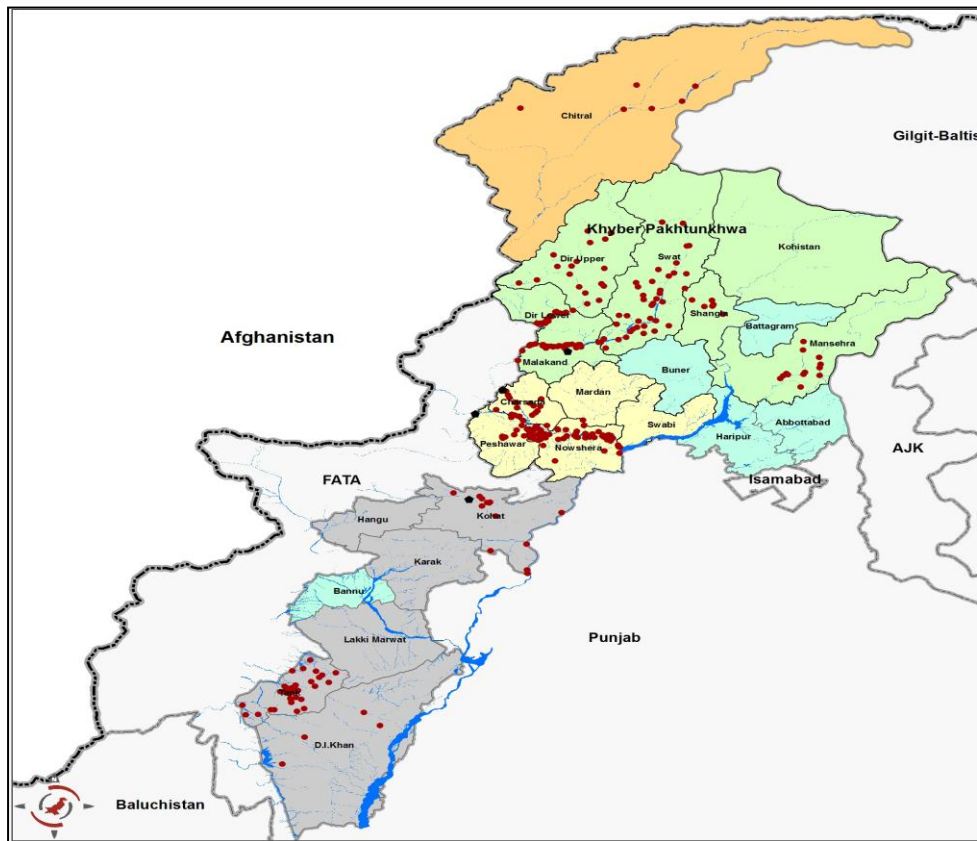
There are two major river systems in Khyber Pakhtunkhwa, the Indus River, which forms the boundary with Punjab and passes from Attock to Dera Ismail Khan in the south; and River Kabul flows down to join the Indus River from Afghanistan. Rainfall in Khyber Pakhtunkhwa generally occurs in two distinct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

The floods in Khyber Pakhtunkhwa are generally caused by heavy concentrated rainfall in the catchments of River Indus, River Swat and River Kabul during the monsoon season, which are also augmented by snowmelt flow. 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.

Almost every year more frequently during the monsoon the province also suffers from flash floods. Flash floods have occurred more in recent years owing 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. Monsoon

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 north-eastern 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.



Monsoon Hazard Map Khyber Pakhtunkhwa

1.3 Contingency Plan for Monsoon 2014

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	
	ii. Khanpur to Thathal village	1	12
	iii. From Spur No 31 to 33	1	6
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

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.

In the aftermath 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 and 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 solace 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 Warning 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 resisited 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 rehabilitated. Though both of these head-works have been restored yet water flow control of 275000 cusecs¹ remains a question.

¹Irrigation Department, Khyber Pakhtunkhwa

Chapter-2

Hazard and Vulnerability Mapping of Disitriacts

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 caseload 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. According to the Districts the Planning caseload for relief support is estimated at 191,660 HHs (a population of 1,150,000) and a population of 199,326 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 2014 Monsoons.

Table No 5: River Water Flow Assumption during 2012 Monsoons

Rivers	1929 Flow Level	High Impact Flood (Floods Levels 2010) ²	Medium Impact Floods (Assumed Floods Levels For 2014)
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	1,10,00,000 cusecs	750,000 cusecs

2.5 Planned Relief Caseloads for 2014 Monsoons

Table No 6- Relief Caseloads 2014 Monsoons -KP

S. No	Districts	Affected HH High floods (2010 based)	Affected HH Medium floods (Assumed for 2014)	Affected HH'' Low Floods (Assumed for 2014)
Peshawar Valley				
	Peshawar	33,800	11605	5802.5
	Charsadda	71,000	24377	12188.5
	Nowshera	71,000	24377	12188.5
	Mardan	2,800	961	480.5
	Swabi	2,200	755	375.5
Southern Districts				
	Tank	21,200	7279	3639.5
	D I Khan	56,300	19330	9665
	Lakki Marwat	4,000	1373	686.5
	Kohat	5,500	1888	944
	Karak	7,200	2472	1236
	Bannu	7,700	2644	1322
	Hangu	6,500	2232	1116
North and Hazara				

²Source: Irrigation Department

Mansehra	3,200	1099	549.5
Dir Lower	25,800	8858	4429
Malakand	6,400	2197	1098.5
Shangla	11,500	3948	1974
Dir Upper	30,000	10300	5150
Kohistan	66,000	22660	11330
Battagram	1,488	511	255.5
Buner	802	275	137.5
Haripur	2,200	2747	429
Abbottabad	8,000	858	429
Tor Ghar	2,500	858	429
Swat	90,500	31072	15536
Chitral	9,800	3365	1682.5
Grand Total	547,390	188,040	94020

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 - 2014 Monsoon (anticipated)		
Based on 2010 floods		
Districts	No of HHs	Anticipated Population
Swat	16,123	112,858
Kohistan	6,591	46,137
Shangla	11,504	80,528
Chitral	9800	20,000
Total	44,018	259,523

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 GB.
- Flood Warnings by the Local Administration and community based mechanisms.

2.8 Provincial Hazard Risk and Vulnerability Mapping

2.8.1 District Peshawar:

General Information

Name of District	Peshawar
Total area (Sq Km)	1257
Total Population	2026851
Total Sub-Divisions	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
4	92	430	2026851

Important Contacts

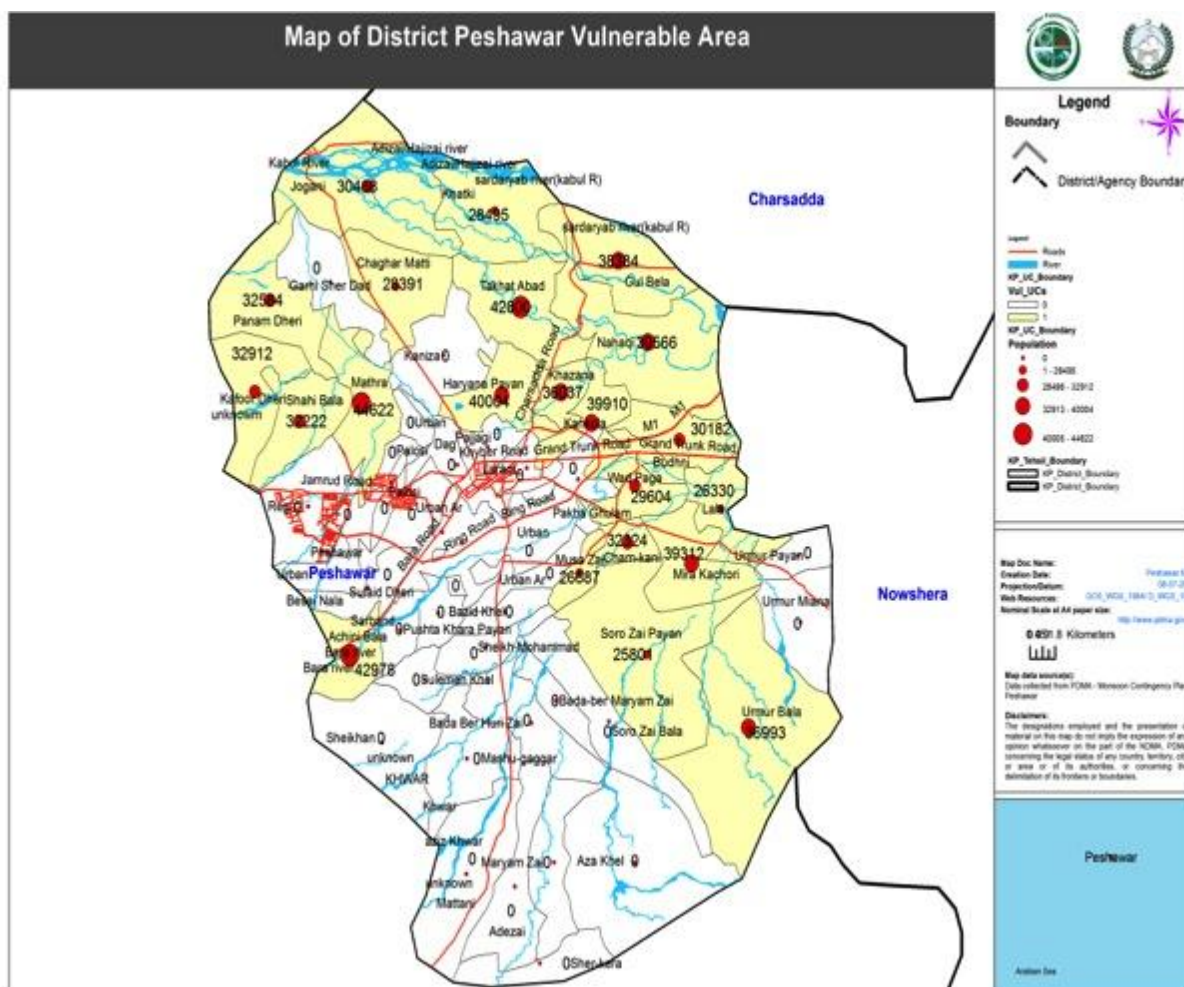
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Mr. Zaheer Ul Islam	Deputy Commissioner	9212302	9211338	9212303	
Mr. Mumtaz Khan	DDMO	0919212304	03339221822	--	--
Mr. Haseeb Ur Rahman	Focal Person In District	0919212304	03035903185/03 329085616	--	Brilliant5577@yahoo.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah	
Achini Bala	42,978	Peshawar Cantt 1	Shahi bala khwar, shah noor baba drain	
Mera Surizai Paya	25,801	Peshawar Cantt 2		
Shahi Bala	32,222	Akhonabad		
Panam Dehri	32,584	Andershehr		
Jogani	30,468	Asia		
Chaghar Matti	28,391	Banamari		
Chamkani	32,324	DEH Bahandur		
Budhni	30,182	DHARI Bhagbanan		
Mera Kichori	39,312	FaqirAbad		Bela niko khan drain
Kankola	39,910	Gul Bahar		
Lala	26,330	Ghang	Lala kalay drain	
Khatki	28,495	Hassan Gari No 1	Mamoon khatki drain	
Urmer Bala	36,993	Hassan Gari No 2		
Takhatabad	42,800	Hayatabad No 1	Kabul river	
Mathra	44,622	Hayatabad No 2	Putwar drain+pirbala khwar	
Kafoor Dehri	32,912	Hazar Khwani 1	Kapoor dheri khwar	
Musazai	26,687	Hazar Khwani 2		
Haryana Payan	40,004	Jehangir Pura		
Wadpaga	29,604	Kakshal No 1		
Nahaqi	39,566	Kakshal No 2		
Gulbela	38,384	Karim Pura	Daman shakarpura drain	
		Khalisa No 1		

Khazana	36,037	Khalisa No 2 Lahori Peshawar Cantt 1 Peshawar Cantt 2 Akhonabad Andershehr Asia Banamari DEH Bahandur DHARI Bhagbanan FaqirAbad Gul Bahar Ghang Hassan Gari No 1 Hassan Gari No 2 Hayatabad No 1 Hayatabad No 2 Hazar Khwani 1 Hazar Khwani 2 Jehangir Pura Kakshal No 1 Kakshal No 2 Karim Pura Khalisa No 1 Khalisa No 2 Lahori Landi Arbab Mahal Theria 1 Mahal terai 2 Malakand Hir Nothia Jadeed Nothia Palosi Pawaka Shaheen Muslim Town 1 Shaheen Muslim Town 2 Shaheen Town Shahi Bagh Sheikh Junaid Abad Sikandar Town Tehkal Bala Tehkal Payan 1 Tehkal Tehkal payan 2 University town Wazir Bagh Yakatoot 1 Yakatoot 2 Yakatoot 3 Achini Bala Adezai Aza Khel Bada Bher Khore zai Bazid Khel Budhni	Nasapa drain
---------	--------	--	--------------

		Chaghar matti Cham kani Dag Garhi sherdad Gul bela Haryana payan Haryana payan Kapoor deri Kaniza Kankola Khatki Khatki Lala Laram Maryam zai Masho gaggar Mathra Matani Mira kachori Mira kachori Musa zai Nahaqi Pajaggi Pakha ghulaam Palosi Panam dheri Panam dheri Pushta khara payan Reghi Sar band Sheikh Muhammad Sheikhan Sher Kera Sorozai Bala Sorozai Payan Sufaid Dhere Sulaiman Khel Takht Abad Oormar Bala Oormar Miyana Wadpaga	
--	--	---	--



2.8.2 District Charsadda

General Information

Name of District	Charsadda
Total area (Sq Km)	996 Sq KM
Total Population	1.7 Million (approx)
Total Tehsils	(Charsadda, Tangi, Shabqadar)

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Charsadda	25	303	
Tangi	12	57	
Shabqadar	12	88	

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Mr. Fazal Rehman	Deputy Commissioner	091-9220024,21	0300-5908162	091-9220024	dccharsadda@gmail.com
Engr. Muhammad Taimoor Khan Afridi	DDMO (Acting Charge)	091-6513953	0333-9100707	091-9220137 091-9220024	-do-

Vulnerable UC s and Villages

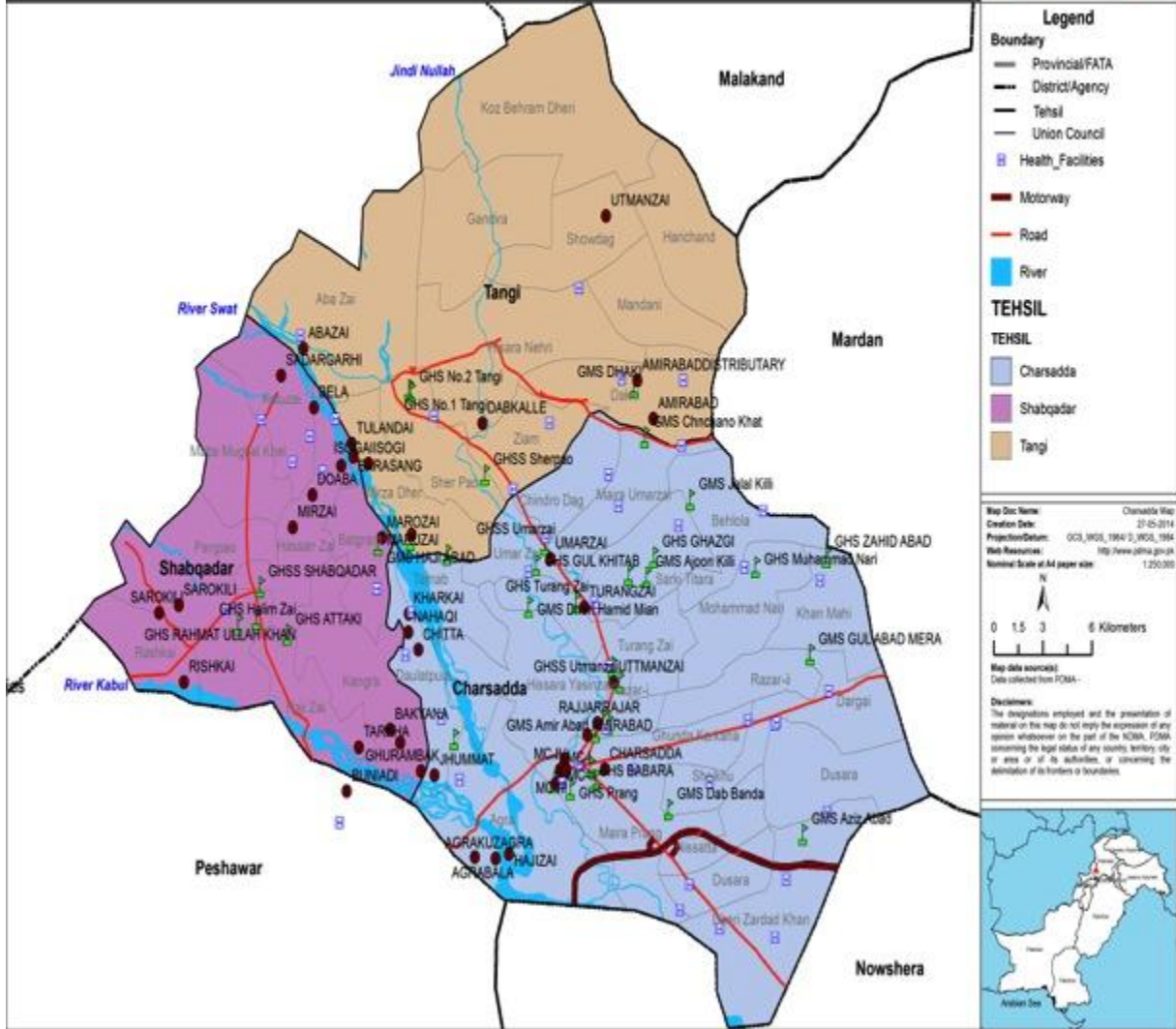
Name	Population	Name of Village	Name of River/Stream /Nullah
Agra	20509	Jangal,Agra Bala,Doger, Jala Bela, Sheikh Killi, Prang Sadu Khel,Manduri, Prang Safar Khel, Geedar, Prang Yasinzai,Vino Garhi, Shahbara, Sabokay,	River Kabul(Sardaryab)
Rashakai	15786	Rashakai	
Hasanzai	22150	Hasanzai	
Hajizai	20450	Hajizai, Tarkha, Mahzara	
Daulatpura	24366	Daulatpura, Jamat, Sukar, Nahaqi,Kharaqi, Ambader.	
Battagram	26717	Battagram, Mandezai, Sreikh, Marozai,	
Kangra	23289	Kangra,Dheri, Sikander Khan, 4. Gurmbhak, 5. Sarwani, 6. Bakyana, 7. Ghari Muhkam Shah.	
Panjpao	24935	1. Panjpao, 2. Dalazak, 3. Daman Shabqadar,	
Nisatta	24882	Nisatta.	River Swat (Khiali)
Dheri Zardad	22730	1. Dheri Zardad, 2. Tarlundai	
Tarnab	15926	1. Tarnab, 2. Shahi Kulali, 3. Ababakri, 4. Dagai Ghulam Qadar Khan, 5. Dagai Mukaram Khan.	
Mirzadher	19345	1. Doaba, 2. Totakai, 3. Sarasang, 4. Behar Ghari, 5. Mirzadher, 6. Dildar Garhi, 7. Cheena, 8. Daulatpura, 9. Jura.	
Abazai	22053	1. Abazai, 2. Ziarat Killi, 3. Munda Headwork	
Katozai	22153	1. Katozai, 2. Bela No- 4, 3. Sadar Gharhi	Jindi Nullah
MC-I Charsadda	21225	1. Mirzagan, 2. Pinda Khel, 3. Shabi Khel, 4. Bosa Khel, 5. Sher Payan, 6. Qazi Khel Kadeem, 7. Qazi khel Jaded, 8. Qazi khel, 9. Garhi Hameed Gul Mian.	
MC-II	24398	1. Sado Khel, 2. Yasinzai, 3. Safar	

Charsadda		Khel, 4. Gul Abad,
MC-III Charsadda	21636	1. Babara, 2. Akhon Khel, 3. Hasan Khel, 4. Bagh Korona, 5. Masood Khel, 6. Mirakhel 7. Marroofkhel, 8. Umarkhel, 9. Khankhel, 10. Azizkhel, 11. Seh Pao, 12. Kamangar, 13. Muslim Mohallah, 14. Kashmiryan Mohallah.
MC-IV Charsadda	19959	Majoky
Rajjar-I	25083	1. Rajjar, 2. Amirabad, 3. Solai Kamar 4. Faqirabad, 5. Kashif Koroona, 6. Fatma Khel, 7. Mar Khel, 8. Jangyan Koroona, 9. Qasim Khel, 10. Muhammad Zai, 11. Amanzai
Utmanzai	24757	1. Utmanzai, 2. Tariqabad, 3. Piran, 4. Chamrang abad, 5. Chaukandai, 6. Nemoray Baba, 7. Hameed Mian Dheri, 8. Mula Khela, 9. Chiti Shahai, 10. Camp Korona Utmanzai.
Turangzai	20066	Turangzai
Sherpao	18284	1. Sherpao, 2. Namo, 3. Kanewar.
Hisara Yaseenzai	22779	1. Chak Charsadda, 2. Nawa Killi, 3. Chak Hisara, 4. Kodian, 5. Chak Utmanzai, 6. Kot, 7. Gangu, 8. Haseenabad, 9. Pla Dheri, 10. Jalu, 11. Marchaki.
Umerzai	23956	Umerzai

Health Facilities

Name	Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Charsadda	Charsadda	31	Nurses 63 : Para 82	210	6
Category "C" Hospital	Shabqadar	7	Nurses: 16 Para 18	110	2
THQ Hosp:	Tangi	20	Nurses: 23 Para 32	80	2
RHC	Battagram	4	Nurses 0 Para 10	14	2

Map of District Charsadda Vulnerable Area



Legend

Boundary

- Provincial/FATA
- District/Agency
- Tehsil
- Union Council
- Health_Facilities
- Motorway
- Road
- River

TEHSIL

TEHSIL

- Charsadda
- Shabqadar
- Tangi

Map Doc Name: Charsadda Map
 Creation Date: 27-05-2014
 Projection/CRS: GCS_WGS_1984_2_PROJ_1984
 Data Resources: 189/1899/1899/1899
 Numerical Scale of A4 paper size: 1:250,000

0 1.5 3 6 Kilometers

Map data sources:
 Data collected from POSA

Disclaimer:
 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 UN/WHO, UN/WHO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.



2.8.3 District Nowshera:

General Information

Name of District	Nowshera
Total area (Sq Km)	174889 Acres
Total Population	1317000
Total Sub-Divisions	03

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	Total Population
Nowshera	29	160	1317000
Pabbi			
Jahengira			

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Zaka Ullah Khattak	Deputy Commissioner	09239220098 09239220099	03459401402	09239220159
Abdul Hameed Khan	DDMO	09239220104	03139154632	09239220220
Tanveer Khan	Focal Person	09239220104	03319251852	09239220220

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Akbar pura	22564	Ali Shah Banda, Malahan,Dua, Misri Pura, Mufti Shamsa, shindig, bala / payyan & Tarkha	Nullah bara & river Kabul
Aman Kot	12037	Aman Kot, Chowkidrub & Dheri Ishaq	Nulla chankar & reiver Kabul
Azakhel Bala	12657	Azakhel Bala	Flash Flood Khwarh
Azakhel Payyan	11799	Azakhel Payyan	Flash Flood Khwarh
Balu	16974	Ali Beg, Babi Balu, Titara	Nulla Bara
Banda Mohib	18654	Banda Mohib, Sheikh Ismail, Chak Agra Ghari Momin Jabba Daudzai & Zangle	Nulla Bara
Chowki Mumrez	14681	Chand Bibi, Chowki Mumrez, Kandi nasir, Kandi Nasir, Kandi Taza Din, Khush Muqam	Nulla Chankar
Dagai	20801	Banda Babi Dagai Pashtoon Gari	Flash Flood Khwarh
Deri Kati Khel	17215	Nowshera Khurd Dheri Kati Khel	Flash Flood Khwarh
Jehangira	6137	Nari Nodeh, Kucd, Nehal pura	River Kabul

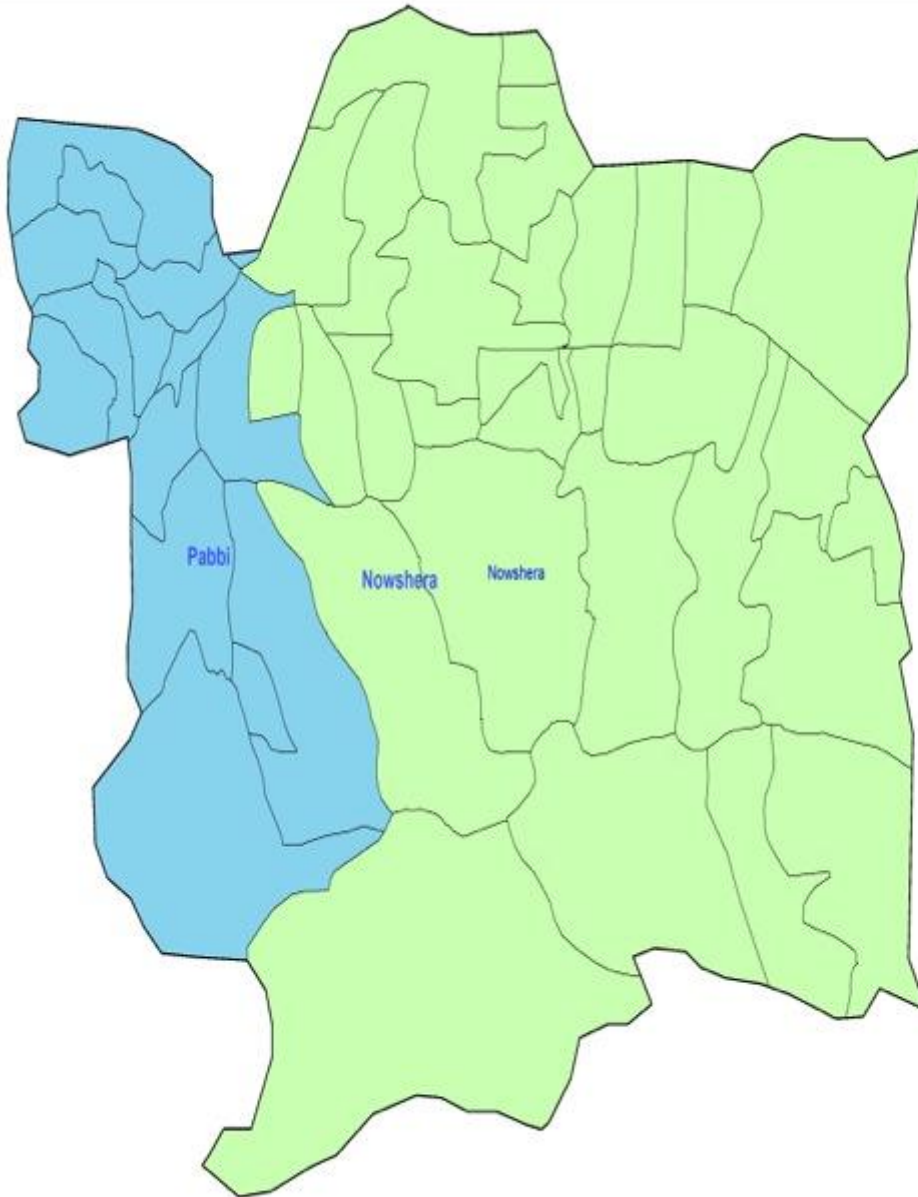
Mera Akora	16186	Ismail Khel, Surya Khel, Waterh, Akora Khattak	Flash Flood Nullah
Misri Ban	12303	Misri Banda	River Kabul
Mughulki	22386	Ali Muhammad, Main Issa, Mishak, mughulki, Nadra	River Kabul
Nawan Killi	15198	Nawan Killi	River Kabul
Nowshera	17929	Nowshera City	River Kabul
Chowki Town	15261	Chowki Town	River Kabul
Shaidu	21555	Saidu	River Kabul
Pir Pai	14999	Pir pai	Flash Flood Nullah, River Kabul
Pir Sabaq	21103	Pir Sabaq	River Kabul
Kabul River	8539	Kinder	River Kabul
Khair Abad	16750	Kati Miana, Khairabad, Khwarai, Mundu Khel	River Indus
Kheshgi Bala	23277	Kheshgi Payyan & Ruck Sarkar	River Kabul
Kheshgi Payyan	20439	Kheshgi payyan & ruck sarkar	River Kabul
Khudrizi	15087	Khudriz khan sher ghari	Chankar Nulla
Kurvi	14099	Kurvi, zakhi	Flash Flood Khwarh
Akora Khattak	19530	Akora Khattak	River Kabul
Amangarh	21476	Amangarh	River Kabul
Zara Mina	13465	Zara Mina, Turlandi	River Kabul

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Nowshera	43	42+56	114	3
MRHSMH Pabbi	28	34+38	114	3
Civil Hosp Akora Khattak	4	4	50	1
Civil Hop Akora Khattak	2	3	50	1
Civil Hosp Ziarat Kaka Sahib	2	3	08	1

Map of District Nowshera

Date (26-05-2014)



Legend

Boundary

- Provincial/FATA Boundary
- District/Agency Boundary

Nowshera

Pabbi

Map Doc Name: Nowshera Map
Creation Date: 26-05-2014
Projection/Datum: GCS_WGS_1984
Web Resources: GCS_WGS_1984
Normal Scale of A4 paper size: <http://www.pdma.gov.pk>

Map data source(s):
Data collected from Monsoon Contingency Plan - Nowshera

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2.8.4 District Mardan:

General Information

Name of District	Mardan
Total area (Sq Km)	1632 Sq. KM
Total Population	1.9 Million
Total Tehsils	03

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

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

Vulnerable UC s and Villages

Name	Population	Name of Village	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	29080	-do-



2.8.5 District Swabi:

General Information

Name of District	Swabi
Total area (Sq Km)	1543 sq KM
Total Population	1568100
Total Sub-Divisions	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Swabi	14	26	1568100
Lahor	11	25	
Topi	11	26	
Razar	20	56	

Important Contacts

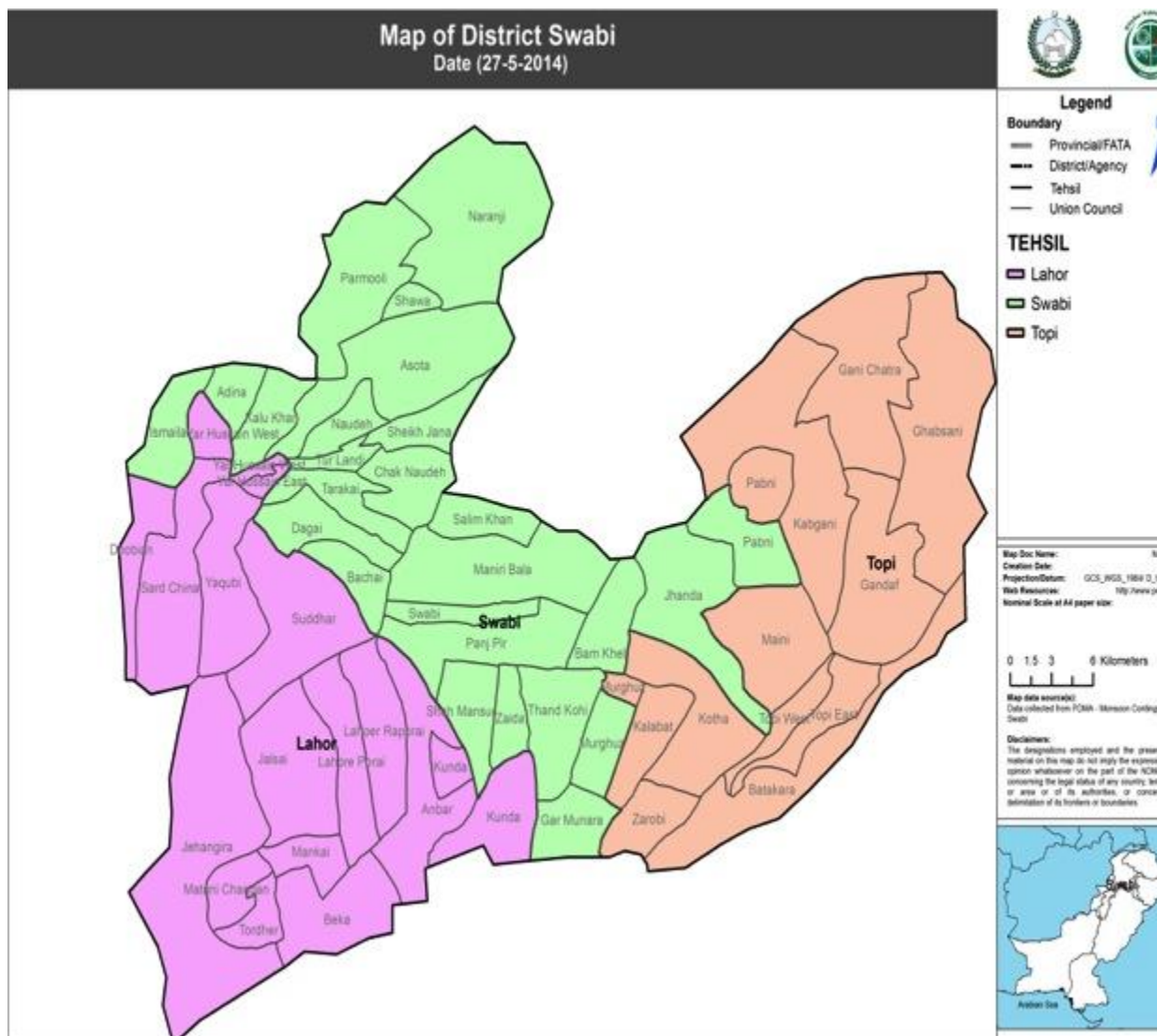
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Kamran Afridi	Deputy Commissioner	0938-221300	3339189606	0938-221917	--
Mr. Altamash JanJua	DDMO	Swabi	0333-9553387	0938-221401	938221917

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Panj Pir	13936	Panj pir	Badri Nala
Maneri Bala	19656	Maneri bala	Badri Nala
Saleem Khan	12692	Saleem khan	Badri Nala
Anbar	16093	Hund	Badri Nala
Beka	6661	Beka	River Indus
Jehangira	20404	Jehangira	River Indus
Tordher	14215	Tordher	River Indus
Batakara	6287	Batakara	River Indus
Zarobi	13822	Zarobi	River Indus
Naranji	15076	naranji	Naranji Khawar
Kalu Khan	25192	Kalu khan	Naranji Khawar
Ismaila	22394	Ismaila	Naranji Khawar
Adina	13045	Adina	Naranji Khawar

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Bacha Khan Medical Complex Shah Mansoor	43	105	88	23
DHQH Swabi	28	81	105	07
Civil Hospital Topi	04	13	50	04
RHC Ambar Kunda	03	06	18	02
RHC Yar Hussain	03	05	18	02



2.9.6 District Mansehra:

General Information

Name of District	Manshera
Total area (Sq Km)	4579 Sq KM
Total Population	1.153 M
Tehsils	03

Administrative Profile

Tehils	No. of Union Council	No. of Villages	UC Population
Manshera	36	250	978157
Balakot	12	64	
Oghi	11	74	

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Syed Zulfiqar Ali Shah	Deputy Commissioner	0997-304148	0945-6661111	0997-305513	--
Dr. Qasim Ali Khan	DDMO/Assistant Commissioner	0997-300571	0300-9113919	0922-9260045	ac.manshera@gmail.com
District Control Room		0997-300798	--	--	--

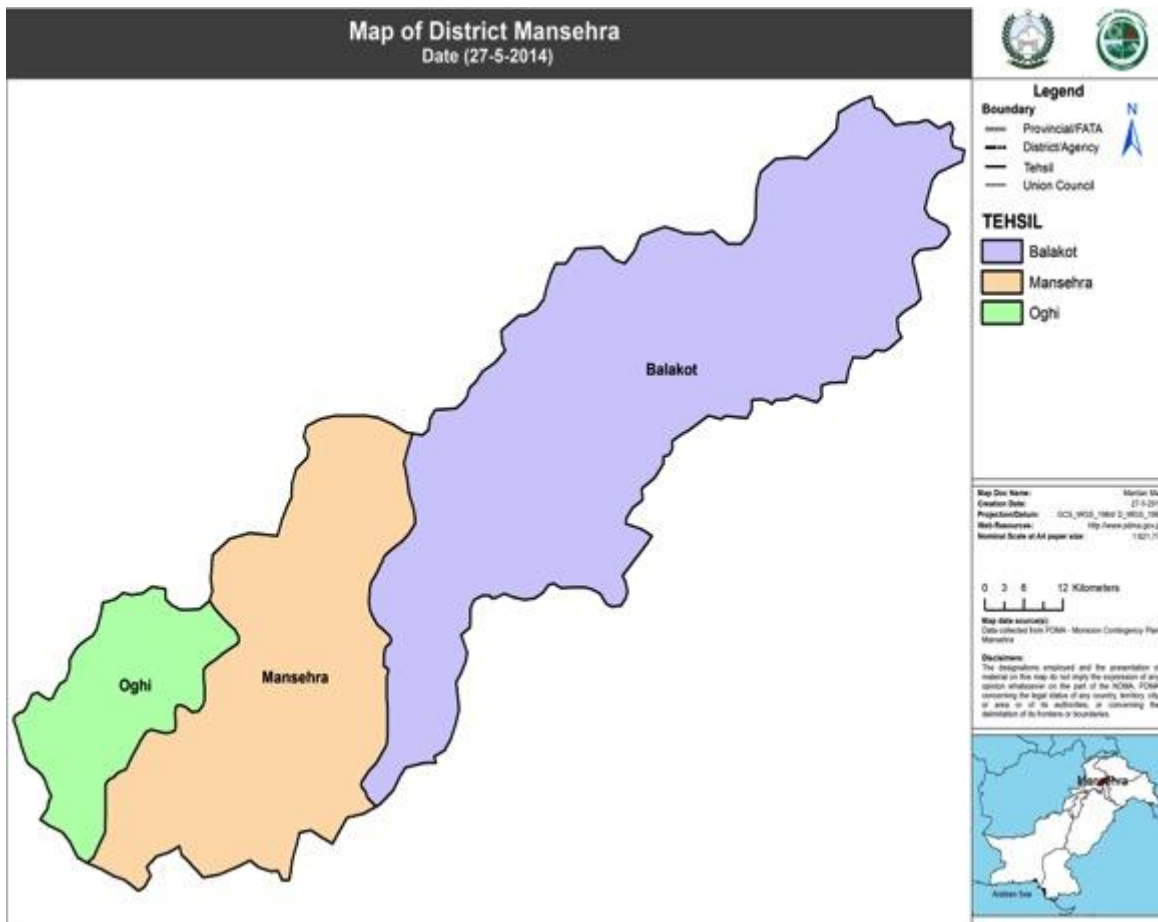
Vulnerable UC s and Villages

Name of UC	Name of village	Population according to census1998		Name of River/ Stream/ Nullah/Khwar
		Male	Female	
Balakot	Tarana	742	368	Kunhar
Satbani	Satbani	1456	1589	Satbani Nullah
Shohal Mazullah	Shohal Mazullah	899	895	Kunhar
Talhatta	Hissari	393	364	Kashtara Nullah, Kunhar
Garhi Habibullah	Gul Dehari	1200	1300	Kashtara Nullah, Kunhar
Garhi Habibullah	Garhi Habibullah	7995	7758	Kunhar
Garhi Habibullah	Batsung	700		Batsung Nullah, Kunhar
Garhi Habibullah	Bararkot	1692	1861	Kunhar
Jabori	Jabori	3234	2969	Siran –Moli-da Katha

Bhogarmang	Bhogarmang	3179	2905	Siran, Nallah Kund Bungalow.
Sum Elahimang	Dadar	3800	3700	Dana/Kund Bungalow Nallah
Sum Elahimang	Sum Elahimang	2642	2783	Siran, Nallah Samigah, Nallah Jalgali
Shinkiari	Shinkiari	11624	11202	Siran/ Jandwal Nallah
Baffa	Baffa	11775	11342	Siran Tanglai Nallah
Malikpur	Malikpur	6041	6288	Siran
Beharkund	Khaki	3816	3825	Siran
Shamdara	Shamdara	7904	7929	Nallah Saror Shamdara
Oghi	Oghi Town	5934	5619	Nallah Saror
Pairan	Janglan/Narbeer	898	933	Ichar Nullah
Inayatabad	Ghandian	780	860	Ichar Nullah
Hamsharian	Maira Jia	771	667	Ichar Nullah
Ghanool	Ghanool	273	45	Ghanool Katha
Garlat	Hassa	45	1	Kunhar

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
King Abdullah Teaching Hospital	47	114	170	05



2.9.7 District Tor Ghar:

General Information

Name of District	Tor Ghar
Total area (Sq Km)	454 Sq KM
Total Population	300,000 (approx)
Total Tehsils	02

Administrative Profile

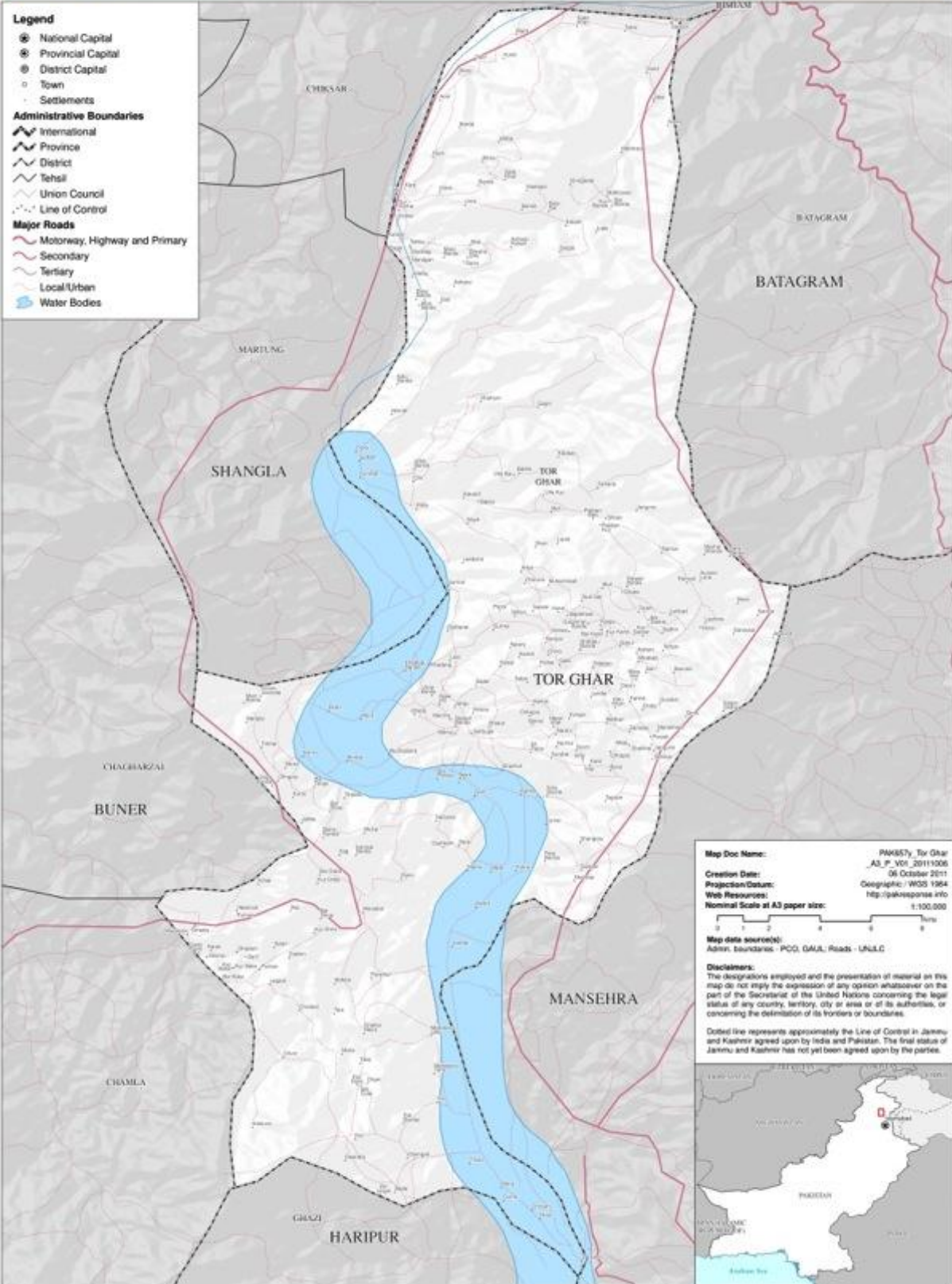
Tehsil	No. of Union Council	No. of Villages	UC Population
Judhba	18	43	300,000
Hasanzai at Kandari	22	53	

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Mr.Sanna Ullah	Deputy Commissioner	0997-239879	--	0997-580188
Mr.Hafiz Ullah	DDMO	0997-214762 0997-322529	0302-8108228	--

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Lashora	175000 (As per 1998 census)	Koorai	Khwar
Lashora		Laid	Shaal Khwar
Lashora		Lashora	Shaal Khwar
Kander		Kaloo	Shaal Khwar
Kander		Kandar twara	Kaloo Khwar
Palosa		Palosa	Twara Khwar
Dour Mera		Dambosa	Palosa Khwar
Dour Mera		Sadukhan	Sadu Khan Khwar
Dour Mera		Dheri	Sadu Khan Khwar



2.9.8 District Abbottabad:

General Information

Name of District	Abbottabad
Total area (Sq Km)	1967 sq km
Total Population	880666 (as per 1998 census)
Total Sub-Divisions	01(Abbottabad)

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Abbottabad	38	--	--
Havelian			

Importat Contacts

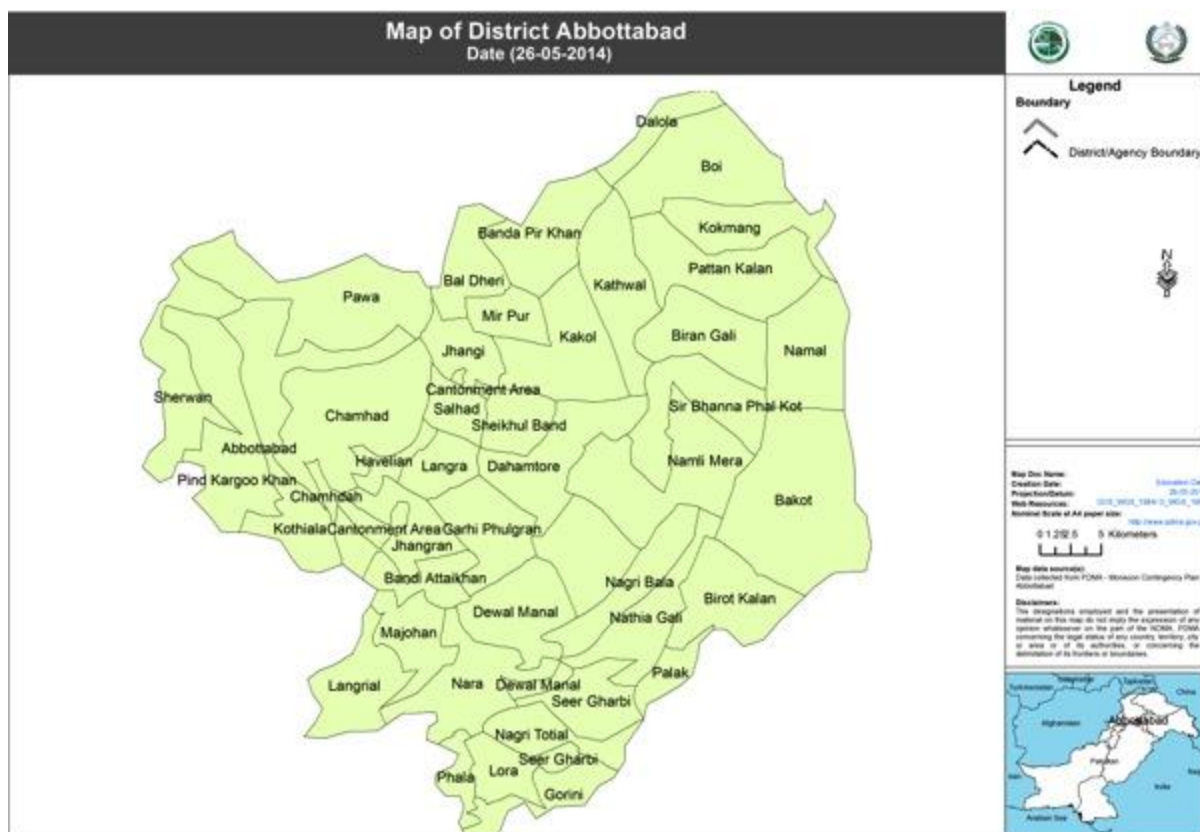
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Mr. Mateehullah Khan	Deputy Commissioner	9310200	0300-5791090	9310202	--
Mr. Ossama Wariach	DDMO	9310203	0342-5222688	9310202	acoabbottabad@gmail.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Khel Urban	3500	Kehal	Cina Laboratory Nullah
Sarbana	3500	Sarbana	Harro Dour
Jhangra	2300	Chamba	Harro Dour

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHO Abbottabad	07	106/111	220	--
Cat-D Hospital Havelian	07	6/14	40	--



2.9.9 District Battagram:

General Information

Name of District	Battagram
Total area (Sq Km)	250 sq km
Total Population	480,000 (Apprx)
Total Sub-Divisions	02

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	Total Population
Battagram	10	104	480,000 (Apprx)
Allai	08		

Important Contacts

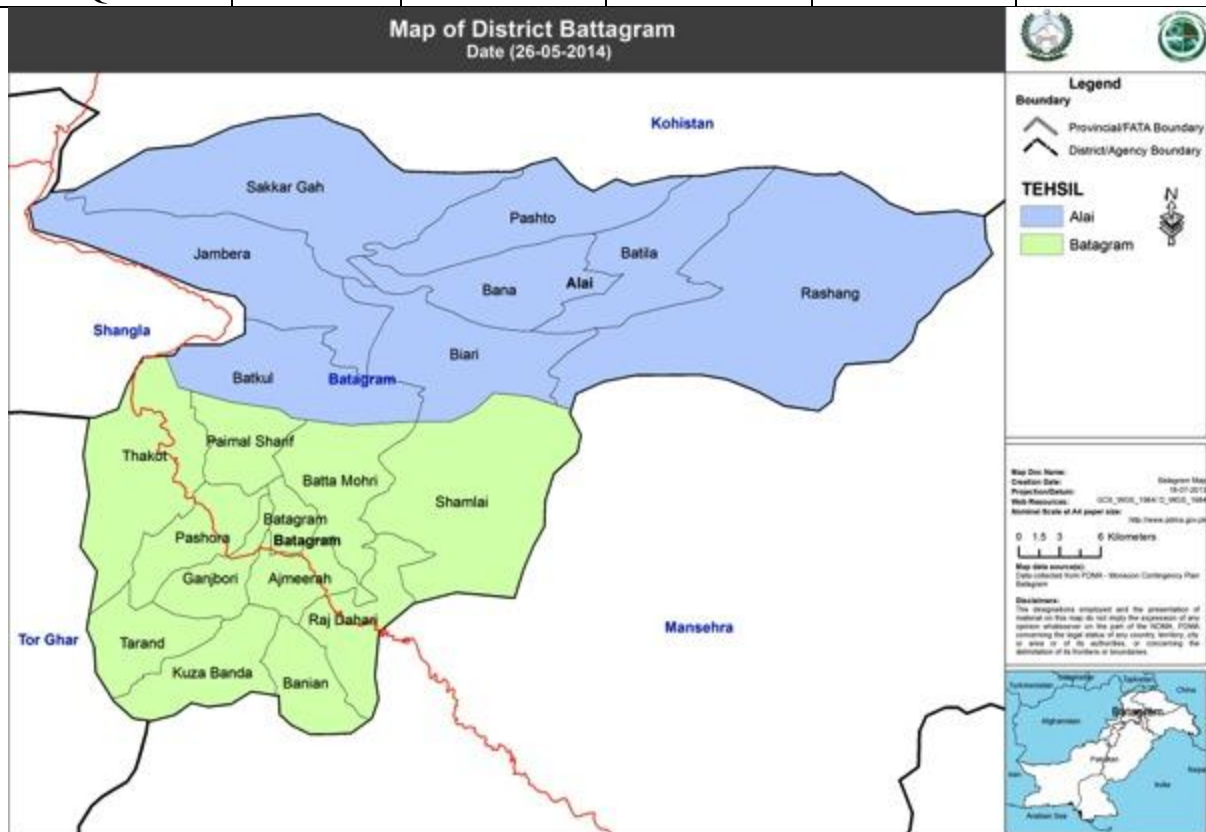
Name	Designation	Contact Information		
		Office	Cell	Fax
Zareef Ul Mahani	Deputy Commissioner	0997310030	03339506649	0997310051
Javed Iqbal	DDMO	0997312189	36645343856	0997310051
Abdul Majid	Focal Person in District Control Room	1997310136	03005645220	0997310051

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Jakot	30000	Chanjal Jhalot	Indus
Batkool	5000	Batkol Shingli Paeen	Jgyar Jarau & Vatjiik

Health Facilities

Name	Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Battagram		16	31	134	02
THQ Attai		04	12	30	02



2.9.10 District Kohistan

General Information

Name of District	Kohistan
Total area (Sq Km)	7,492 Sq Km
Total Population	472570
Total Sub-Divisions	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Dassu	11	334	472570
Kandia	4	154	
Palas	13	586	
Pattan	10	359	

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Syed Mohammad shah	Deputy Commissioner	0998-407002	0344-9998819	0998-407001
Mr. Mohammad Abid	DDMO	0998-407029	0333-5056348	0998-407001

Vulnerable UC s and Villages

Name of Village	Name of River/Stream /Nullah
Madakhel	Indus River Keyal River Sherkot Nullah Summer Nullah Dubair River
Gabrial	
Chawadara	
Supat Valley	
Ghushli	
Summer Nullah	
Thoti	
Moreen (Bankad)	
Dubair Valley	

Health Facilities

Name	Contact	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Kohistan	Dr. Muhammad Taj 3129915735 03023509804	15	8/170	54	--

Map of District Kohistan
Date (27-05-2014)



Legend

Boundary

- Provincial/FATA
- District/Agency
- Tehsil
- Union Council

TEHSIL

- Dassu
- Palas
- Pattan

Map Doc Name: Himga Map
Creation Date: 27-05-2014
Projection/Datum: GCS_WGS_1984_2_WGS_1984
Web Resources: <http://www.pdkwa.gov.pk>
Nominal Scale at A4 paper size: 1:750,000



Map data extracted:
Data collected from FCMA - Monsoon Contingency Plan
District Kohistan

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2.9.11 District Haripur:

General Information

Name of District	Haripur
Total area (Sq Km)	1725
Total Population	692228
Total Sub-Divisions	02

Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Villages	UC Population
	Haripur			

Important Contacts

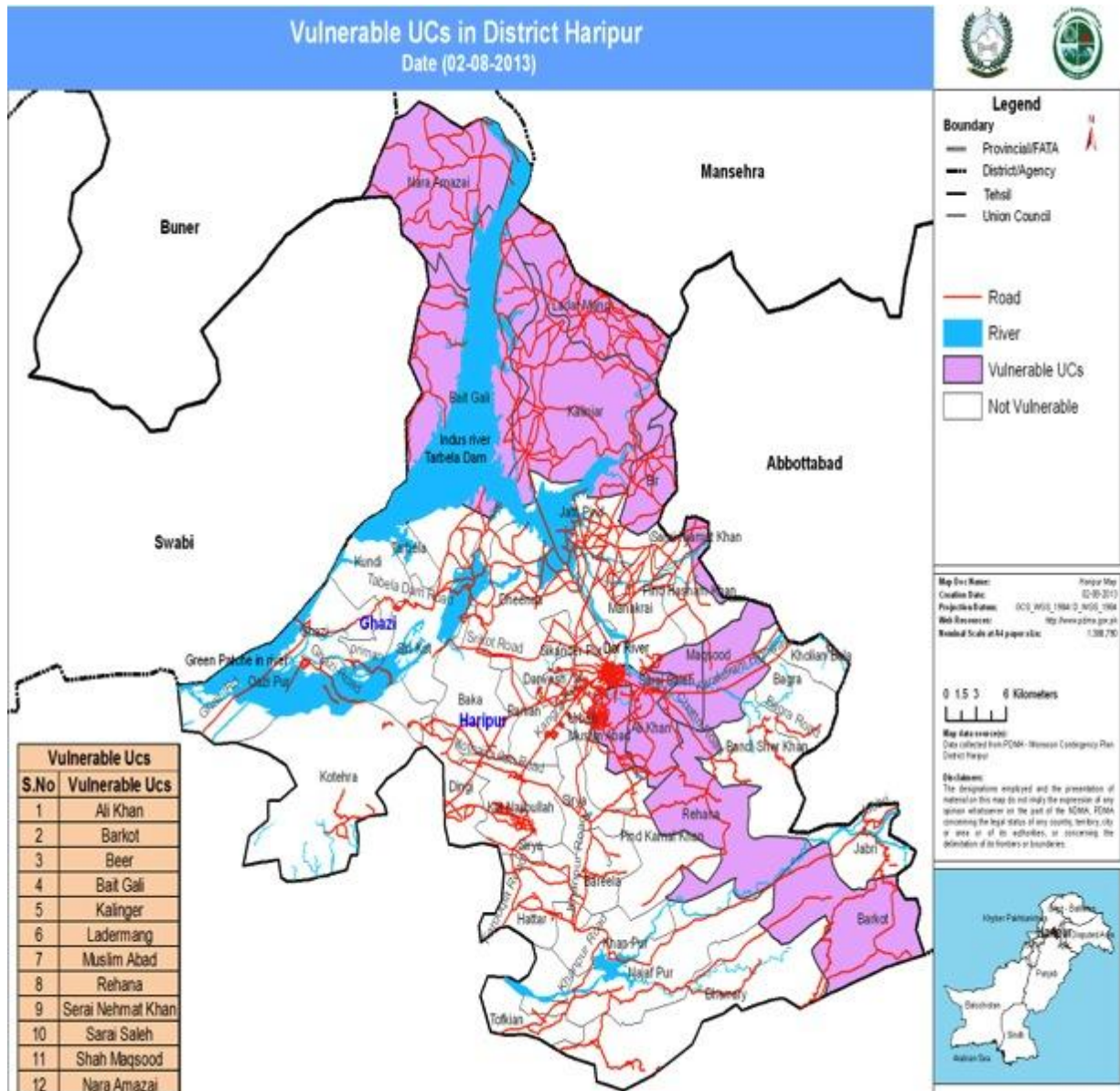
Name	Designation	Contact Information		
		Office	Cell	Fax
Nisar Ahmed	Deputy Commissioner	0995-	0345-4744721	
Agha Sher zaman	AC / DDMO	0995-613389	0314-2118739	

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Ali Khan	15677	Ali Khan	River Indus, River Dour, River Haro, River Siren
Barkot	22345	Barkot	-do-
Beer	25693	Beer	-do-
Bait Gali	17429	Bait Gali	-do-
Kalinger	22876	Kalinger	-do-
Ladermang	19625	Ladermang	-do-
Muslim abad	21000	Muslim abad	-do-
Rehana	22380	Rehana	-do-
Serai Nehmat khan	27025	Serai nehmat khan	-do-
Sarai saleh	25000	Sarai saleh	-do-
Shah maqsood	16500	Shah maqsood	-do-
Nara amazai	18617	Nara amazai	-do-

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Hospital Ghazi	4	3/12	40	
Hospital Khanpur	6	3/13	40	
Hospital SNK	4	3/8	40	



2.9.12 District Shangla:

General Information

Name of District	Shangla
Total Area (Sq Km)	1,586 km2 (612 sq mi)
Total Population	646,341
Total Sub-Divisions	02

Administrative Profile

Tehsil	Name of Union Council	No. of Villages	UC Population
Alpuri	Alpuai	04	38351
Puran	Lilownai	05	38356
Sub Tehsil Besham	Malak khel	04	24407
Sub Tehsil Chakisar	Dehrai	04	28145
Sub Tehsil Martung	Pri Abad	03	24297
	Kuz Kana	02	24407
	Ranyal	03	17041
	Shahpur	02	23209
	Damorai	02	20812
	Pir Khana	04	43749
	Kormung	02	16423
	Butyal	04	19632
	Shung	01	17733
	Maira	02	21130
	Dandai	02	18180
	Opal	06	24407
	Chakisar	02	23563
	Sarkol	06	27004
	Bunirwall	04	20224
	Bar Puran	02	21432
	Bingalai	02	15792
	Aloach	06	25807
	Chowga	02	16356
	Ismail Khel	06	22242
	Musa Khel	03	16017
	Behlol Khel	10	28763
	Martung Khas	02	27012
	Kamach Nasral Khel	08	24667

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Zafarul Islam	Deputy Commissioner	0996-850005 0996-850008	0300- 9484888	0996- 850006	Dco.shangla@yahoo.com
Habibullah Khan Wazir	DDMO	0996-850007 0996-850793	0345- 5533727 0997- 240811	0996- 850006	acalpuri@gmail.com
Habibullah Khan Wazir	Focal Person in District Control Room	0996-850007 0996-850793	0345- 5533727 0997- 240811	0996- 850006	acalpuri@gmail.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Pir Khana	19467	1. Ajmir 2. Bilkana 3. Ghanshal 4. Larai	Kana Khwar / Nullah
Damorai	16607	1. Damorai kalay 2. Paiz Dara 3. Karshat	Damorai Nullah /Khan Khwar
shahpur	15906	1. Shahpur kalay 2. Naway Kalay 3. Barkana	Shahpur Khwar, Sangar Nullah, Gaje Kwar
Kuz Kana	10368	1. Kuz Kana 2. Serai Kana	Kuz Kana Khwar, Barhal Khwar, Chelai Khwar
Lilownai	20511	1. Lilownai Kalay 2. Banda China 3. Khwar Kalay 4. Naway Kalay 5. Kass	Lilownai Kwhar, Kass Khwar, Sheshan Nullah, Sagar Nullah,
Ranyal	17041	1. Ranyal Kalay 2. Chichlo 3. Sasobay	Sasobay Nullah, Ranyal Nullah, Khan Khwar(Dam)
Besham(Butyal)	19632	1. Tumb 2. Butyal 3. Kunshe	Khan Khwar, Indus River
Opal	3928	1. Karora	Khan Khwar, Lilownai Ghwar Band Khwar, Opal & Marin Nullah
Sarkool	10415	1. Dawoot	Dawoot Nullah,

		2. Sarkool 3. Jatkool 4. Ghnangar	Jatkool & Sarkool Nullah
Chwoga	9966	1. Chwoga 2. Baina	Pandoria Khwar, Machkandai Nullah
Aloach	9708	1. Nim Kalay 2. kadona	Puran Nullah, Bingalai Nullah
Bar Puran	20838	1. Sundvi 2. chagam 3. Sanila	Sanila Khwar Chagam khwar Sundvi khwar
Kormung	6521	1. gandorai/Posheh	Khan khwar Kormung Khwar
Butyal	8173	1. Karai 2. Besham 3. Butyal	Khan Kwar Rakat Khwar
Shung	6326	1. Janrai 2. shung 3. ichar	Shung khwar Janrai Khwar Ichar Khwar
Dandai	4852	1. Dandai 2. Takhta	Dandai khwar Cheer Khwar

Important Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
D.H.Q at Alpurai District Shangla	MS = 01 MO's = 12 Specialists = 01	F/male Nurses = 15 Male Nurses = 10 Paramedical staff=24	130	-
T.H.Q at Besham District Shangla	Senior Doctor=01 MO's=10	F/Male Nurses =09 Male =03 Paramedical staff=21	50	-
T.H.Q at Puan District Shangla	MO's=05	F/male Nurses=05 Male Nurses=00 Paramedical staff=27	50	-
RHC, Karora, Shangla	Doctor=02	Paramedical staff=10	20	-
RHC, Chakisar, Shangla	Dental Surgeon=01, MO=01	Paramedical staff=16	20	-

Map of District Shangla
Date (27-05-2014)



Legend

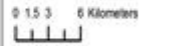
Boundary

- Provincial/FATA
- District/Agency
- Tehsil
- Union Council

TEHSIL

- Alpuri
- Bisham
- Chikisar
- Martung
- Puran

Map Doc Name: map01
 Creation Date: 27-05-14
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 Web Resources: <http://www.psha.gov>
 Normal Scale at A4 paper size: 1:4000



Map data source(s):
 Data collected from PCMA - Monsoon Contingency Plan District Shangla

Disclaimer:
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2.9.13 District Swat

General Information

Name of District	Swat
Total area (Sq Km)	5337 Km ²
Total Population	1246091
Total Sub-Divisions	07

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Babuzai	17	20	317870
Barikot	03	11	99975
Kabal	12	31	237105
Matta	13	43	251456
Khuwazakhela	04	21	140893
Behrain	08	20	125110
Charbagh	04	09	73682

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Mehmood Aslam	Deputy Commissioner	9240329	03335109329	0946-9240329	mawazir@hotmail.com
Ashfaq Khan Aramzai	DDMO	9240329	03009040564	--	Anhfaqkhan_dir@yahoo.com
Khurshed Anwar	Focal Person	9240329	03464479400	--	--

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Bahrain, balakot, mankyal, madyam, beshigram, terat	125110	Bahrain, balakot, mankyal, madyam, beshigram, terat	Swat River
Gulibagh, talegram, keshaura	73682	Gulibagh, talegram, keshaura	Swat River
Kabal, koza Bandai, bara Bandai, hazara, kanju, koz abakhel, bar abakehl, totanobandai, qalagay, kalakalay, dewlai,	237105	Kabal, koza Bandai, bara Bandai, hazara, kanju, koz abakhel, bar abakehl, totanobandai, qalagay,	Swat River

shahdherai, tall		kalakalay, dewlai, shahdherai, tall	
Kalam, utror		Kalam, utror	Swat River
Barikot, kot, shamozai, galigay	9975	Barikot, kot, shamozai, galigay	Swat River
Saidu sharif, mingora, qambar, odigram	317870	Saidu sharif, mingora, qambar, odigram	Mingora Khawar/Marghaz ar khawar
Matta kharerai, baidara, drushkhela, asharai, darmai, sakhra, chuprail, pir kalai, arkot, shawar, barthana, gwalarai, beha	251456	Matta kharerai, baidara, drushkhela, asharai, darmai, sakhra, chuprail, pir kalai, arkot, shawar, barthana, gwalarai, beha	Swat River/Wenai Khawar

Health Facilities

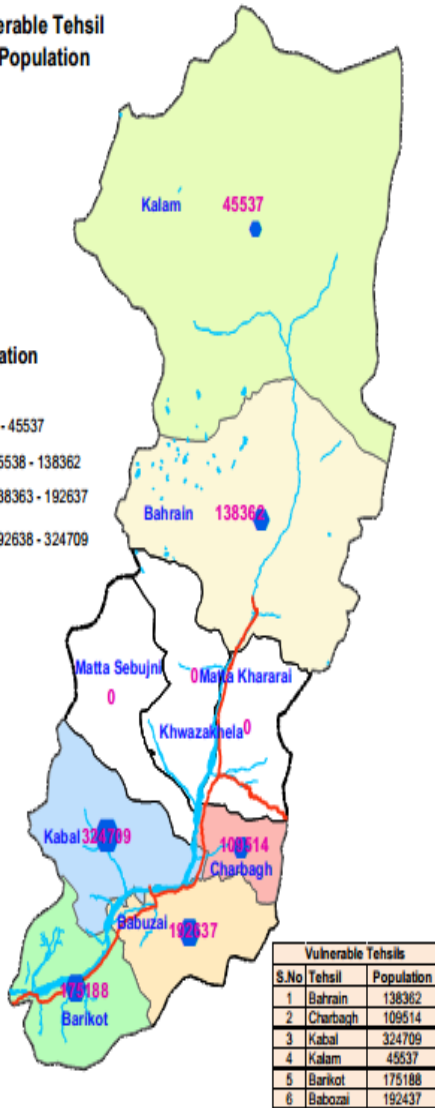
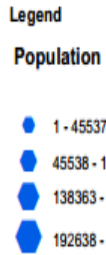
Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
ZKS/THQ Hospital Matta	32	22+47	110	21
Civil Hospital Khawazakhela	18	16+36	55	
Civil Hospital Manglowar	2	0+19	40	
Civil Hospital Barikot	12	9+31	40	
Civil Hospital Badyan	10	1+19	40	
Civil Hospital Kabal	12	6+30	40	
Civil Hospital Kalam	11	7+21	15	

District Swat Map

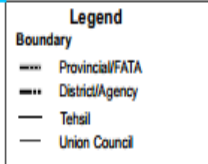
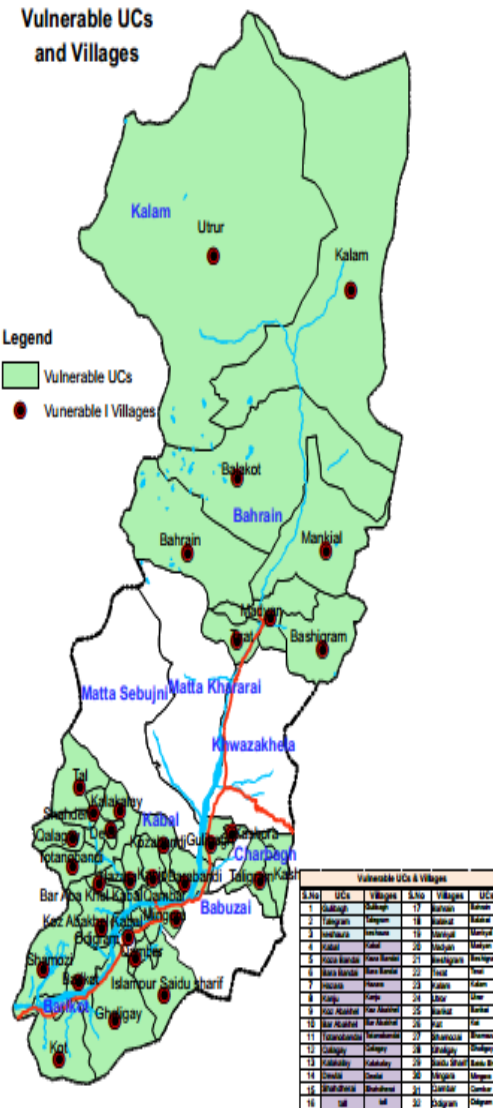
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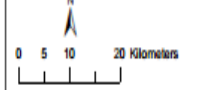
Vulnerable Tehsil and Population



Vulnerable UCs and Villages

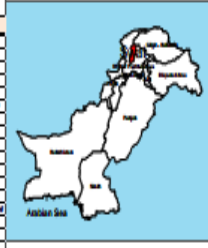


Map Doc Name: Swat Map
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 Projected/Epsw: GCS_WGS_1984_0_PRJG_104
 Web Resources: <http://www.pdma.gov.pk>
 Nominal Scale at A4 paper size: 1:200,000



Map data source(s):
 Data collected from PDMA - Monsoon Contingency Plan Swat

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2.9.14 District Malakand

General Information

Name of District	Malakand
Total area (Sq Km)	952 sq kms
Total Population	542212 Approxi
Total Sub-Divisions	02

Administrative Profile

Telhsil	No. of Union Council	No. of Villages	UC Population
Batkhela	17	28	350000 approx
Dargai	11	28	190000 approx

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Muhammad Yahya Akhonzada	Deputy Commissioner	0932414880	03344464347	0932413199	dco_malakand@yahoo.com
Asad Ullah Khan	DDMO	0932412254	03458845303	0932412254	acbatkhela@gmail.com

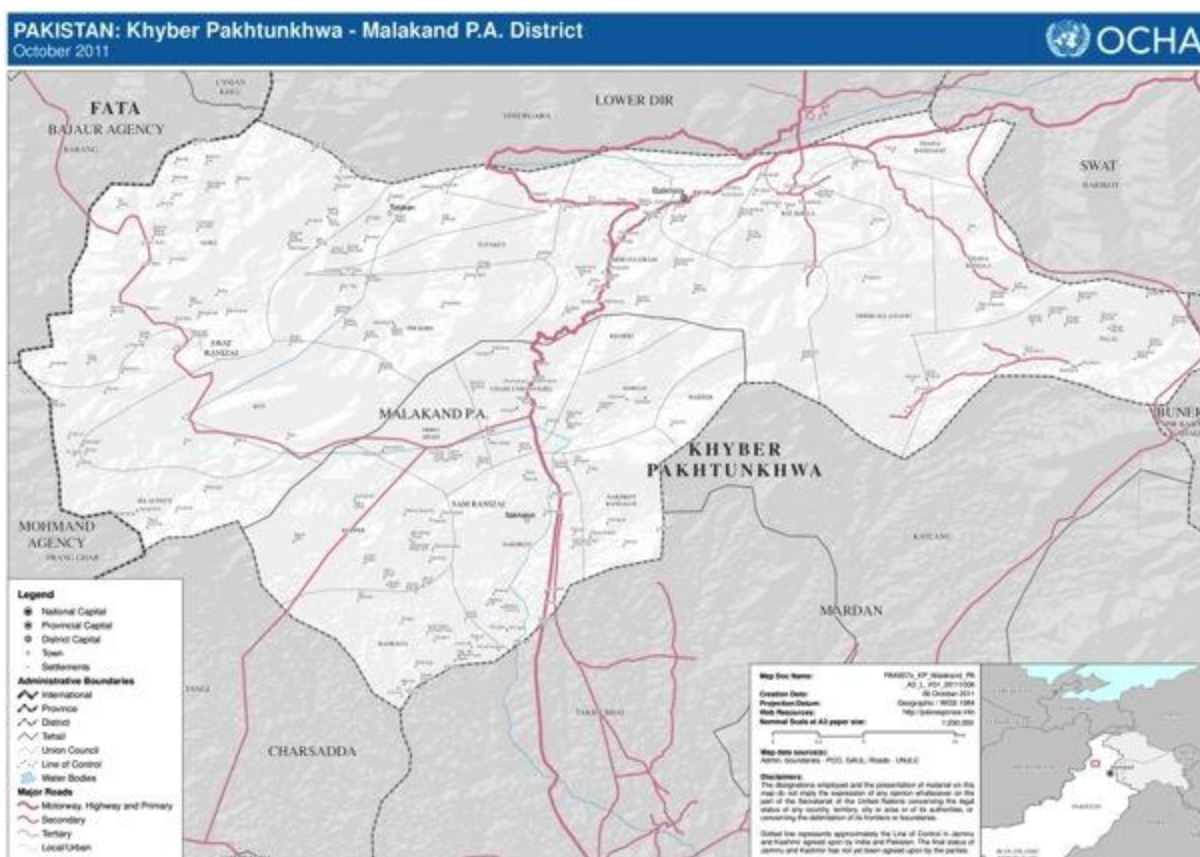
Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Thana Khas	60000	Dhanda, shaidan	River swat
Thana jaded	35000	Lala colony, bara adda	Rive Swat
Thana bandajat	25000	Bakhta, college colony	-do-
Dheri	60000	Baro, zalamkot, saidabad	River Swat Khawar
Alladand	50000	Amandar, pinjan, nemakai	River Swat Khawar
Palai	--	Bazdar, morabanda	-do-
Upper batkhela	50000	Dinabad	-do-
Low batkhela	40000	Bhabi chum, gulshan abad, saman abad	Canal, River Swat
Middle batkhela	60000	Babao khel, madi khel, umar khel	-do-
Malakand	20000	Piran, m jalalkot, rangmala	-do-
Kot	10000	--	-do-
Selai pati	5000	--	-do-
Agra	15000	Inzargai	-do-
Totakan	7000	Ismail khel, mardan khel	-do-
Pir khel	3000	Qala, dhagai, mana pati	-do-
Dheri julagram	25000	Kasinat, sha khel	-do-
khar	9000	Macha khel, yaqub khel, saidan shagai	-do-
Koper	3000	Zarif khan kalay, kuz koper, bara koper	-do-
Kharki	--	Timber market, jawar, dag	-do-
Dargai	25000	Jaban, dobandi, garam cham	-do-
Wartair	3000	Nakardar, plandara sorana	-do-

Nadraga	--	Anar tangay, charge kalay, badraga khas	-do-
Sakhakot khas	--	Purana sakhakot khan gharai	-do-
Sakhakot jaded	--	Latifay kalay, palton	-do-
Sakhakot bandajat	--	Pakistan kalay, ghawar kalay	-do-
Hero shah	6000	Palona, Mir Akbar Saha Kalay	-do-
Gu khel	--	Begham banda, agra busha, kandao	-do-
Meherdi	--	Kata bod, malang banda, salak banda	-do-

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
THQ Hospital	31	15/112	60	2
Cat D Thana Totakan Agra & CH Malakand	45	16/254	40	6
RHCs	21	76	--	4



2.9.15 District Upper Dir:

General Information

Name of District	Dir Upper
Total area (Sq Km)	3,400sq km
Total Population	854747 approximately
Total Sub-Divisions	04

Administrative Profile

Sub Division	Name of Union Council	No. of Villages	UC Population
Dir	Dir Urban	-	37047
	Qulandi	-	30615
	Chukyatan	-	26162
	Bibyawar	-	31678
	Darora	-	32488
	Jabbar	-	28837
	Tarpatar	-	33251
	Palam	-	30149
	Sawni	-	29720
	Ganori	-	29523
Barawal	Barawal	-	31929
	Darikand	-	29533
	Shahikot	-	31301
Kalkot	Sheringal	-	30905
	DoagDara	-	33250
	Gualdai	-	25387
	Patrak	-	27348
	Barikot	-	26486
	Kalkot	-	25530
Wari	Dislor	-	35435
	Kotkay	-	33158
	Wari	-	37062
	Chapar	-	31308
	Sundal	-	26917
	Bandi	-	28648
	Nihag	-	29244
	Akhagram	-	30205
	Pasta	-	31631

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Dr. Imran Hamid Sheikh	Deputy Commissioner	0944-880394	0300-9669334	0944-881130
KhwajaFahimSajad	DDMO	0944-880506	0312-5757159	-do-

Vulnerable UC s and Villages

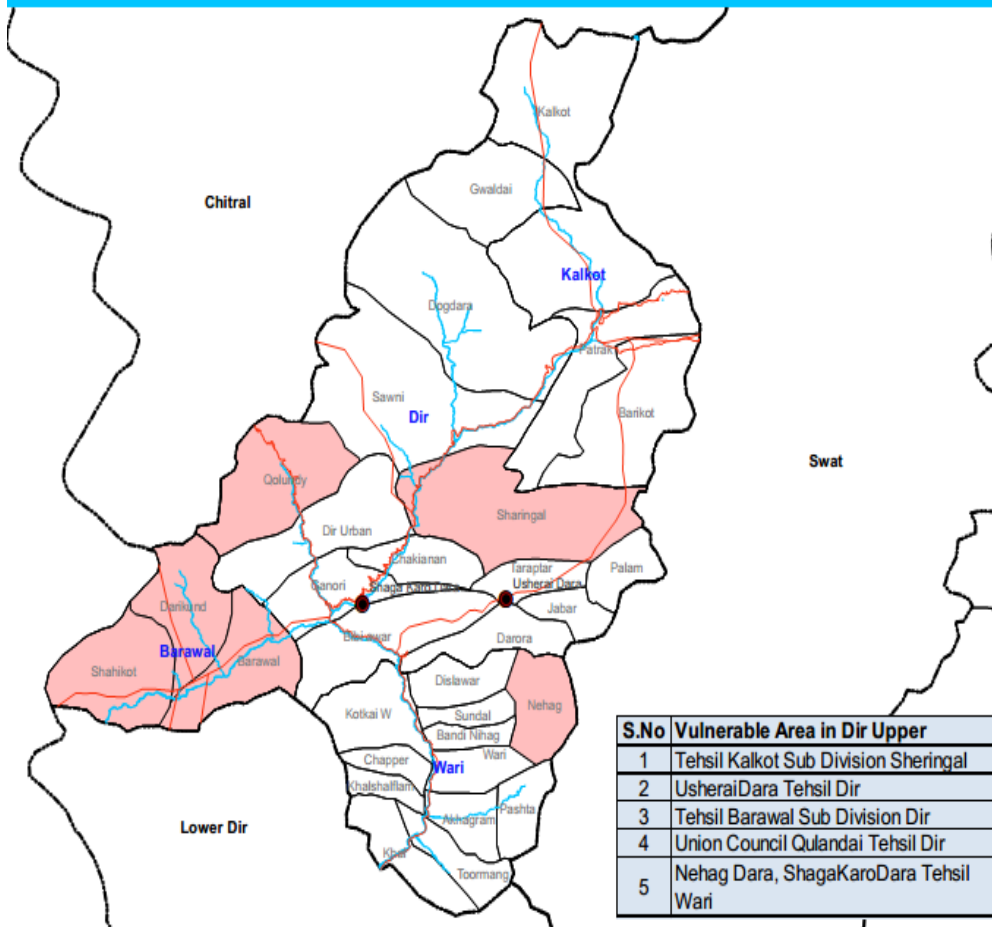
Name	Population	Name of Village	Name of River/Stream /Nullah
Dir	37047	Dir	Dir River
Qulandi	30615	Qulandi	-do-
Tarpatar	33251	Tarpatar	Usheri River
Palam	50149	Palam	-do-
Sheringal	30905	Sheringal	Sheringal River
Bibyawar	31678	Bibyawar	Panchkora River
Darora	32488	Darora	-do-
Ganori	29523	Ganori	Barawal River
Wari	37062	Wari	Panchkora River
Chapar	31308	Chapar	-do-
Akhagram	30205	Akhagram	AkhagramKhwar&Panchkora River
Nihag	29244	Nihag	NihagKhwar
Pashta	31631	Pashta	AkhagramKhwar
Kotkay	33158	Kotkay	Panchkora River
Sundal	26917	Sundal	NihagKhwar
Shahikot	31301	Shahikot	Barawal River
Darikand	29533	Darikand	Barawal River
Kalkot	25530	Kalkot	Kalkot River
Patrak	27384	Patrak	Kalkot River &GwaldaiKhwar
Gwaldai	25387	Gwaldai	GwaldaiKhwar

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Upper Dir	20	Male Nurse: 13, Charge Nurse:38 Dispenser: 15	268 beds	-
Wari Hospital	04	20	40	-
Barawal Hospital	2	15	40	-
Patrak	Nil	10	40	-
RHC Tarpatar	Nil	07	20	-
RHC Bibyawar	01	07	20	-
RHC Sheringal	01	02	20	-

Vulnerable Areas in District Dir Upper

Date (30-07-2013)



Legend

Boundary

- Provincial/FATA
- District/Agency
- Tehsil
- Union Council

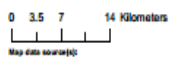
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- River
- Road

UCs data

- Vulnerable UCs
- Vulnerable Data

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 Project/Doc/Status: GCS_WGS_1984_0_00_1000
 Web Resources: <http://www.pdma.gov.pk>
 National Scale at A4 paper size: 1:50,000



Map data source(s):
 Data collected from PDMA - Monsoon Contingency Plan Dir Upper

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S.No	Vulnerable Area in Dir Upper
1	Tehsil Kalkot Sub Division Sheringal
2	Usheraidara Tehsil Dir
3	Tehsil Barawal Sub Division Dir
4	Union Council Qulandai Tehsil Dir
5	Nehag Dara, ShagaKaroDara Tehsil Wari



2.9.16 District Lower Dir:

General Information

Name of District	Dir Lower
Total area (Sq Km)	1583 Sq KM
Total Population	1275000
Total Sub-Divisions	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Adenzai	8	29	21982
Munda	3	50	21076
SamarBagh	6	26	22130
Timergara	6	23	19331
Balambat	3	28	22485
Khal	3	32	20920
Lalqila	8	30	22654

Important Contacts

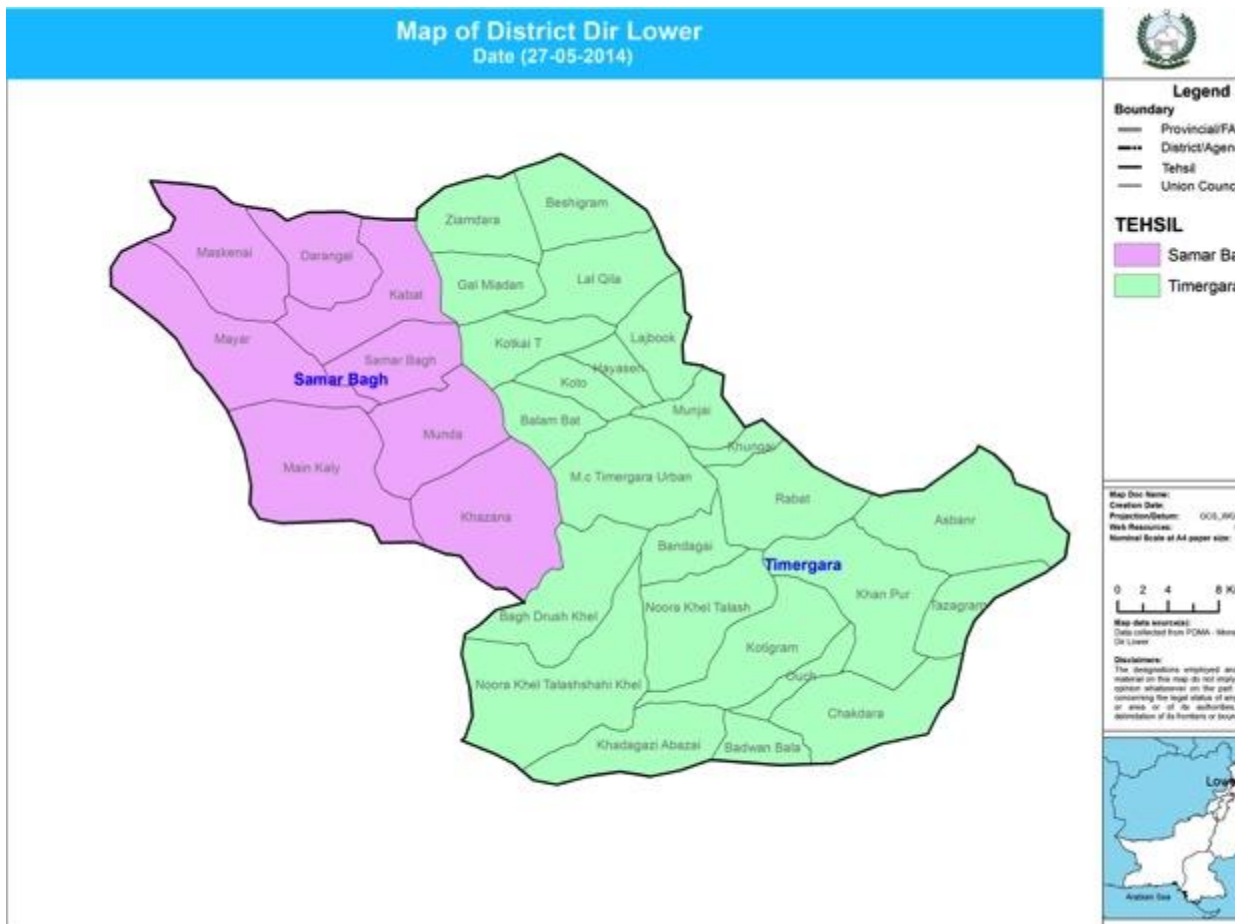
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Sohail Khan	Deputy Commissioner	0945-9250003 09459250032	0332-1714723	0945-9250001	
Muhammad Ayaz Momand	DDMO	0945-9250029	0345-8078320	0945-9250029	makchamist7664@yahoo.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Chakdara	21982	Cham Chakdara.	Chackdara khawar
Badwan	21930	Adam Dehrai	River Swat
KHadagzai	21908	Mianbrangola.	River Swat
Khazana	22305	Diaroon	River Swat
Urban Council	19331	Gul Abad	River Panjkora
Khungi	20228	Sarkari Dogai.	River Panjkora
Bagh Dushkel	19027	Kattan Bala	Panjkora River
Rabat	22887	Bado Paty	Panjkora River
Munjai	22485	Sar Banda	River Panjkora
Balambat	22581	Kohairay	Malakand Khwarh
Khal	20920	Khall Bar Kalay	Khal khwarh
Shalfalam	17698	Shalfalam	Toormang Khawar
Tormang	21050	Tormang	Tormang Khwarh
Koto	21049	Shahzadi Bala	Konai Khwar

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Timergara	100	135	400	5
THQ Chakdara	12	40	75	1
THQ Samarbagh	16	169	110	2



2.9.17 District Chitral:

General Information

Name of District	CHITRAL
Total area (Sq Km)	14850 SQ KM
Total Population	4,90,000
Total Sub-Divisions	TWO (CHITRAL & MASTUJ)

Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Villages	UC Population
Chitral	Arandu	14	225	-
	Drosh			-
	Lotkoh			-
	Chitral			-
Mastuj	Torkhow	10	280	-
	Mulkhov			-
	Mastuj			-
	Yarkhoon			-

Important Contacts

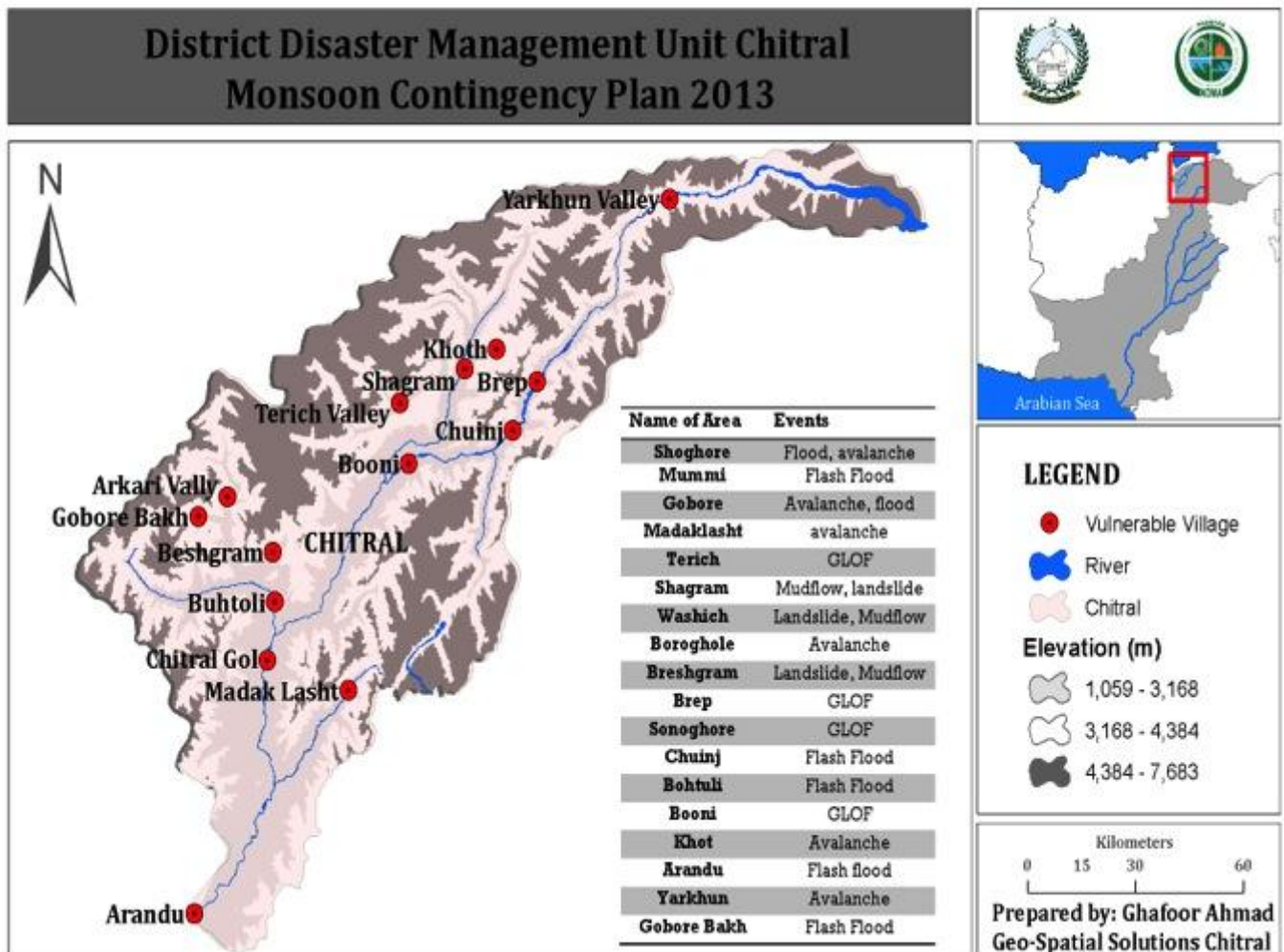
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Muhammad Shoaib Khan Jadoon	Deputy Commissioner	0943-412055	0322-4020002	0943-412421	shoaibjadoon@yahoo.com
Muhammad Saad Nawaz Qaisarani	DDMO	0943-413686	0334-5133005	0943-413686	sindsparrow@gmail.com
Abdul Ghaffar Khan (ADC)	Focal Person in District Control Room	0943-412066	0302-5517685	0943-412421	ghaffar.ac.awi@gmail.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Ayun	-	Bumbrate, Rumboor, Birir, Ayun	Ayun Nalla, Bumbrate Nala, Birir Nala, Rumboor Nala
Yarkhoon	-	Gazain, Choinj, Brep	Gazain nala

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital Chitral	37	58 Nurses, 74 P/Medics	200	Total: 13 08 Functional
THQ Hospital Drosh	08	5 Nurses, 35 P/Medics	36	01
THQ Hospital Booni	05	02 Nurses, 16 P/medics	34	01
THQ Hospital Lotkoh	02	P/Medics 10	10	-
RHC Arandu	01	-	05	-
RHC Koghuzi	01	-	05	01
RHC Mastuj	01	-	05	01
RHC Shahgram	01	-	05	01
RHC Drosh	01	-	05	-
RHC Ayun	01	-	05	01
28 Civil Dispensaries	00	1 dispenser each	-	-
19 BHUs	00	1 p/medic each	-	-



2.9.18 District Buner:

General Information

Name of District	Buner
Total Area (Sq Km)	1,865
Total Population	506,048
Total Tehsil	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Daggar	27	167	--
Gagra			--
Mundenr			--
Khadokhel			--

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Mushtaq Ahmad	DC Buner	0939-510450	03469473344	0939-510427
M. Awais Malik	AC Daggar/ DDMO	0939-510234	03005539697	--

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Daggar	24	117	10	05
THQ Pacha Kaly	06	25	45	Nil

2.9.19 District Dera Ismail Khan:

General Information

Name of District	Dera Ismail Khan
Total Area (Sq Km)	7350 sq km
Total Population	1.5 million
Total Tehsils	04

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
DI Khan	49	--	--
Darabun			
Kolachi			
Paharpur			

Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Waqar Ali Khan	Deputy Commissioner	09669280116	03009706933	09669280110	Dcderaa@gmail.com
Irfanullah Mehsod	DDMO	09669280117	03335755069	09669280115	Ifranmahsood@hotmail.com

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Kiri Shamoza	--	--	Rod Khoi Bhara

Map of District D I Khan
Date (27-05-2014)



- Legend**
- Boundary**
- Provincial/FATA
 - District/Agency
 - Tehsil
 - Union Council

- TEHSIL**
- Daraban
 - Dera Ismail Khan
 - Kulachi
 - Paharpur

Map Doc Name: On Paper
 Creation Date: 26-07-2012 09:2
 Projection/Datum: GCS_PAKISTAN_2000
 Web Resource: <http://www.pdma.gov.pk>
 Normal Scale at A4 paper size: 1:800



Map data source(s):
 Data collected from PDMA - Monsoon Contingency Plan

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



2.9.20 District Tank:

General Information

Name of District	Tank
Total area (Sq Km)	1679 KM
Total Population	236401 (1998 Census)
Total Sub-Divisions	01

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Tank	16	101	234601

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Habi Ullah Khan Wazir	DC	0963-511326	0300-9094274	0963-510300
Riaz Khan Dawar	DDMO/AC	0963-511326	0333-9370513	0963-510300
Ikram Ullah	Focal Person in District Control Room	--	--	0963-510300

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Mullazai	15655	Umer Khel	Galarrah, Larizen
Ama Khel	14094	Ama khel, nandoor	Rodh Soheli
Pai	15617	Paim M akbar gharibabad, Abizar	Takwarra, Rodh Soheli
Gul Imam	16942	Gul imam, darraki	Rodh Soheli
Shah Alam	14852	Shah alam, radi khel	Pir Kach
Gara Baloch	11335	Gara baloch, pir kach, darriaba khal, kirri,ahmad shah	Tankzam
Tank – I	17791	City	Tankzam
Tank – II	16139	City	Tankzam
Tatta	15015	Waroki, ali khel	Tankzam
Waraspon	14836	Umer adda, kirri haider, kitti marwati	Tankzam
Gomal	14454	Raghza, gomal manji, kot azam	Gomal zam

2.9.21 **District Bannu:**

General Information

Name of District	Bannu
Total Area (Sq Km)	1228 sk
Total Population	6773462
Total Tehsil	02

Administrative Profile

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

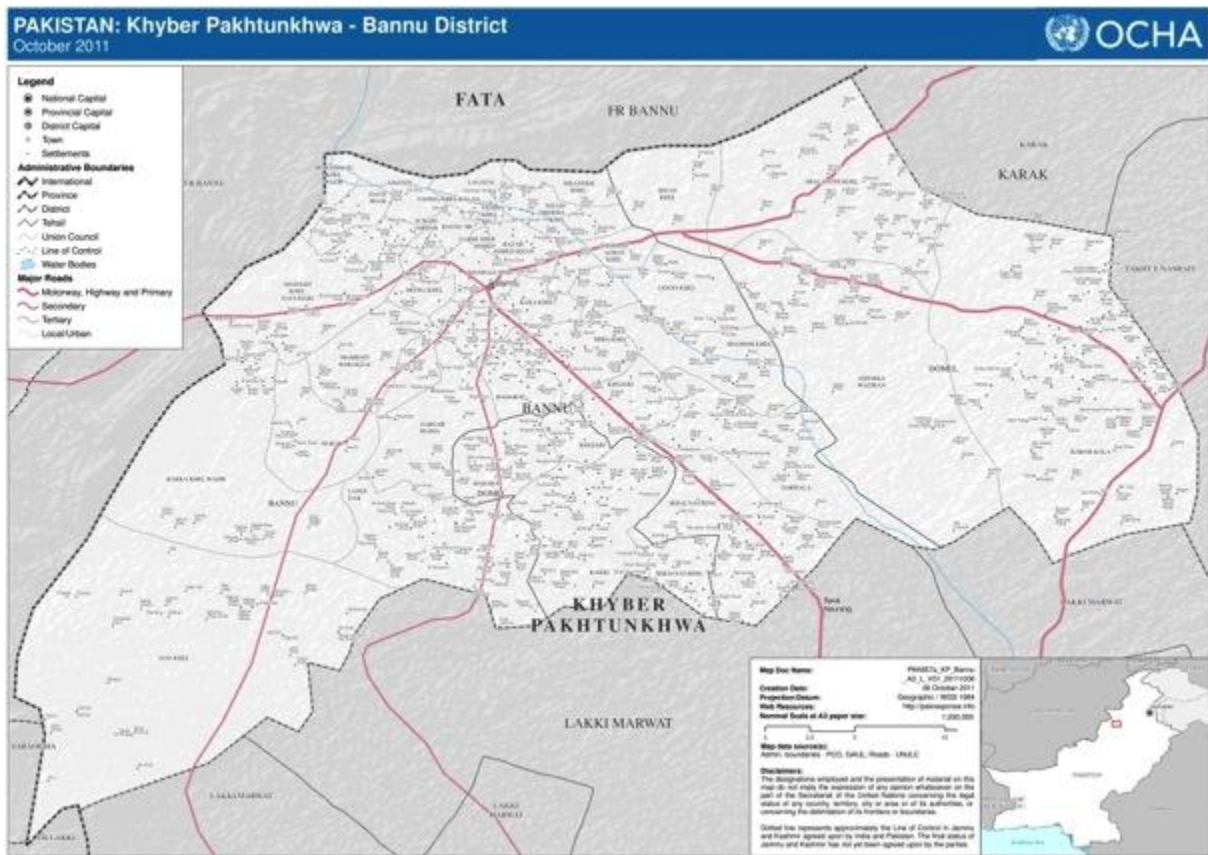
Important Contacts

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	--	--

Vulnerable UC s and Villages

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

Baar ahmed khan	12596	-Do -
Koti sadat	11361	-Do -
Kot Kalander	14744	-Do -
Fatama khel	17952	-Do -
Shah baz azmat khel	10753	-Do -
Asperka waziran	20369	-Do -
Khander khankehl	17914	-Do -
Arel hoti khel	16384	-Do -
Domel	16434	-Do -
Bezan khel	19120	-Do -
Ziraki pirba khel	18462	-Do -



2.9.22 District Lakki Marwat:

General Information

Name of District	Lakki Marwat
Total area (Sq Km)	3164 sqkm
Total Population	470438
Total Sub-Divisions	Lakki & Serai Naurang

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	UC Population
Lakki	33	167	470438
Sarai Nourang			

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Mr.Zafar Ali Shah	Deputy Commissioner	0969-538333	03005891185 0315-9246546	0969-538333
Mr.Yasir Qayyum	DDMO	0969-350955	0334-9009055	--

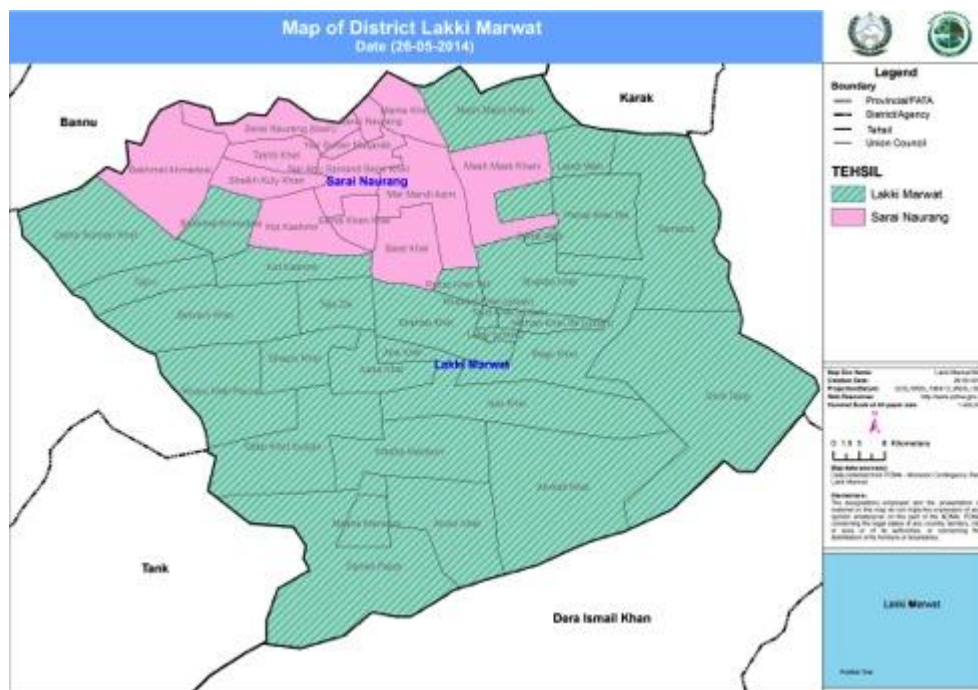
Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Shamshee khel		Shamshee khel	At junction of kurram river
Mama khel		Mama khel	At junction of kurram river
Nar jaffar		Nar jaffar	Sheet flow
Nar abusamand begu khel		Jaded nar sahib khen	Sheet flow
Begu khel	2500+2480	Wanda rehmana	Mero Wagai, wanda amir
Ahmed khel	3000+2200 2700+2800	Wandajat surband wanda kuttana	Lagharwa
Mela shahabkhel	5000+3000	Dalo khwl	Chunai
Mash mastikhani	700+600	Kotka akhundand	Shakh
Aba khel	8000+7000	Aba khel	Barrai
Titter khel	5000+6000	Titter khel	Barrai
Behram khel	4000+3000	Tarri khel	Kharooba
Tajori	5000+4000	Tajori	Noongarmai
Samandi	4000+3000	Wanda Aurangzeb	Hilly Stream
Tajazai	2000+1500	Toor Lanwangkhl	Kharoba
Abdul khel	3000+2600	Abdul Khel	Hilly Stream
Dara tang	2500+2000	Wanda Pindakhen	Shinwa
Datra pezu	150+200 300+200	Wanda Ahmed Khan Joggi	Chunda

Nar abusamand	300+200	Nar Abusamand	Village Water
Mama khel	60+70	Kojoro Koruna	River Stream
Shak quli khan	800+700	Passani	River Gambilla
Bakhmal ahmad zai	5000+4000	Bakhmal	Kharoba, Kharandai, Nara
Kaka khel	4000+3600	Lorha	Lorha
Ghazni khel	6000+7000	Nara Shakh	Nara Shakh
Serai naurang	3000+2500	Serai Naurang	Serai Naurang

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
DHQ Hospital	28	43	200	--
City Hospital	10	52	76	--
Category C Hospital	08	29	110	--



2.9.23 District Kohat:

General Information

Name of District	Kohat
Total area (Sq Km)	2545 Sq KM
Total Population	843868
Tehsils	02

Important Contacts

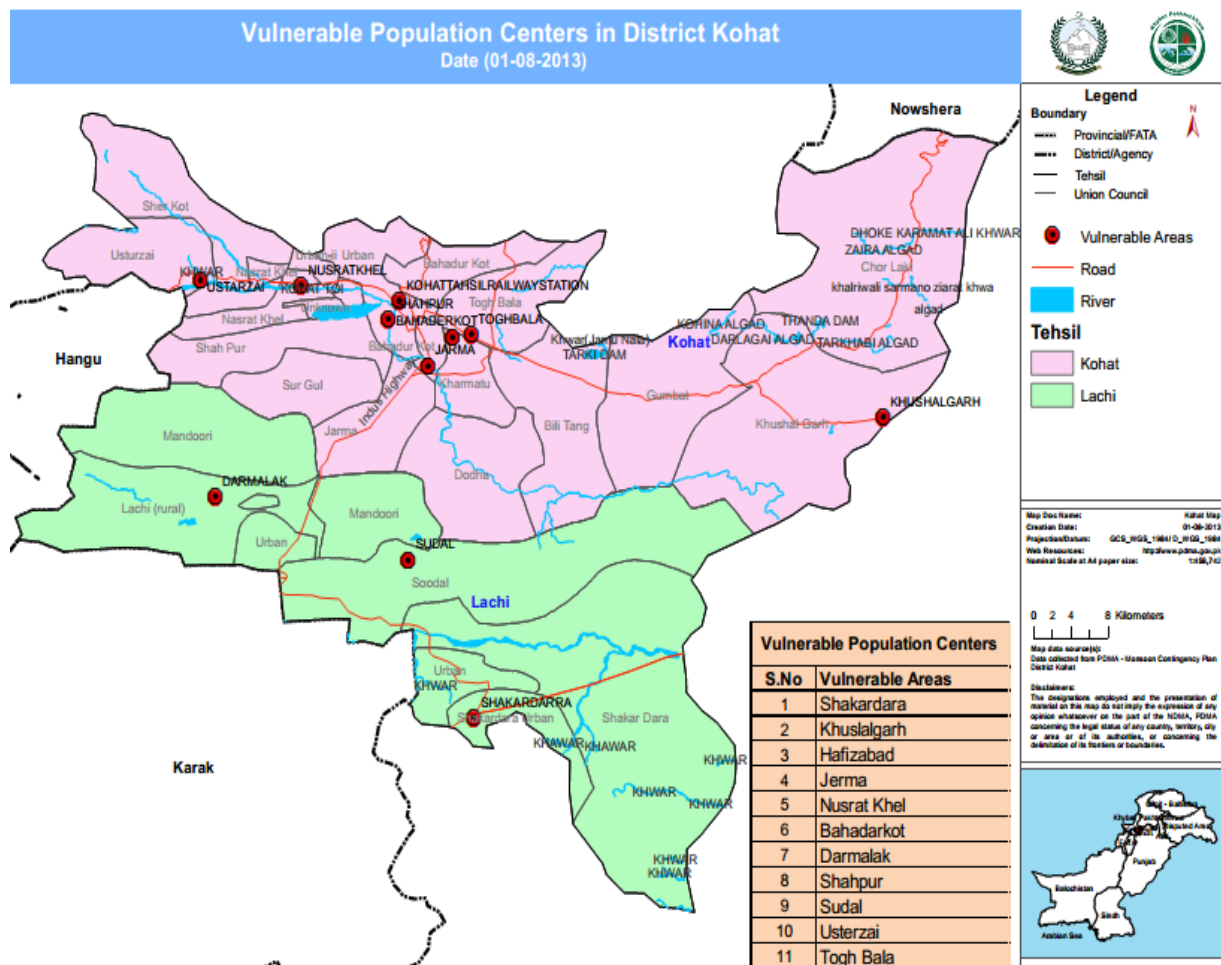
Name	Designation	Contact Information			
		Office	Cell	Fax	email
Amjad Ali Khan	Deputy Commissioner	0922-9260268		0922-9260031	--
Farrukh Attique	DDMO/Assistant Commissioner	0922-9260046	0333-3873087	0922-9260045	--
Saqib Mehmood	DDMO Assistant	0922-9260011	0333-9627722	0922-9260011	msmsaqibaries@gmail.com
Telephone Operator DC Control Room		0922-9260268	--	--	--

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Shakardara	12342	Shakardara	Aurakzai Nullah Usterzai Nullah Chenna Nullah Sheikhan Hill Torrent
Khushalgarh	17137	Khushalgarh	
Urban-5	19447	Hafizabad	
Jerma	23912	Jerma	
Nusrat Khel	15692	Nusrat Khel	
Baharkot	21773	Baharkot	
Lachi Rural	7500	Darmalak	
Shahpur	20042	Shahpur	
Sudal	21671	Shawaki & Malagin	
Ustarzai	18614	Ustarzai	
Togh Bala	26020	Togh Bala	

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Divisional Headquarter Hospital KDA Kohat	Specialist=11 PMO,SO,MO=30 Dental Surgeon=1	Nurses=88 Lab Technician=6 X-Ray Technician=6 Dental Technician=2 ECG Technician=4 Dispenser=16	215	12
W & C (LMH) Kohat	Specialist=6 PMO,SO,MO=7 WMO/SWMO=15 Dental Surgeon=1	Nurses=26 Lab Technician=5 X-Ray Technician=2 Dental Technician=1 ECG Technician=3 Dispenser=14 LHV=2	71	--
Ch Shakar Dara	MO=2	Dispenser=4 Lab Tech=1 X-Ray Technician=1	30	--



2.9.24 District Hangu:

General Information

Name of District	Hangu
Total area (Sq Km)	1097 sq KM
Total Population	314529
Total Sub-Divisions	Hangu

Administrative Profile

Tehsil	No. of Union Council	No. of Villages	Total Population
Hangu	19	64	314529
Thall			

Important Contacts

Name	Designation	Contact Information		
		Office	Cell	Fax
Naeem Anwar	DC	0925621175	03339678882	0925620050
Abdul Ghafoor	AC/ DDMO	0925623782	03000193777	0925620050
Naseem Abbas	Focal Person	--	03469251128	0925620050

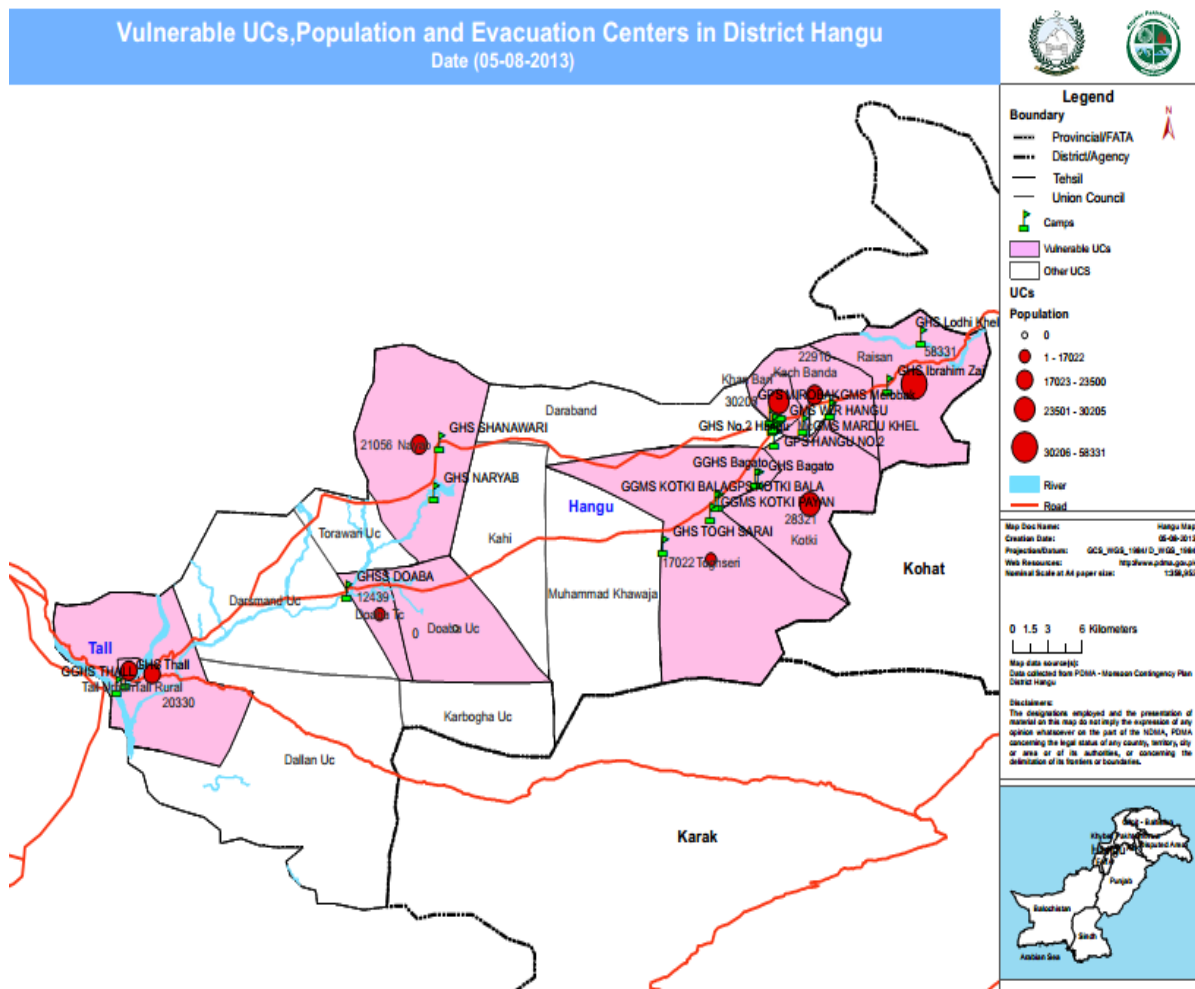
Vulnerable UC s and Villages

Name	Population	Name of Village
Raisan	21671	Raisan, lodhi khel, inrahimzai, shaboo khel, babar mela
Kach	17879	Kach, Mardo khel, speen khawri, wach bazaar
Khanbari	14932	Khanbari, Gulbagh, muslim abad
Ganjanokalay	18978	Ganjanokaly, sangairh, darwezi palosa, farooqabad
Kotki	21503	Kotki, chambegul, bagato, warasta, lakhti banda
Darband	12177	Darband, samana, shamsha din
Bilyamina	14618	Bilyamina, barh abbaskhel, alwar mela
Togh serai	11030	Togh serai, anar chena
Muhmmad Khawaja	13570	Muhammad khawaja, machine banda, lucky banda, khattak banda
Kahi	16950	Kahi, drorhi bada, azeemi banda
Doaba	16458	Doaba, sarozai
Naya ii	10632	Chapri naryab, zargiri, shnawari
Nayab i	11761	Naryab, sangairh/rehmat abad
Karbogha sharif	22367	Karbogha sharif, mazrin kaly, bar kaly, darshi mato khel
Tora wari	12633	Tora wari, tora ghundi
Darsamand	23083	Darsamad, regi, bazaar khel, saro khel.

Dallan	19886	Dallan, gandiri, mianji khel
Thall rural	25354	Muhammad Zai, chapri waziran
Thall urban	9235	Zansar khel, yousaf ze, sra ghundi

Health Facilities

Name	No. of Doctors	No. of Nurses / Paramedic Staff	No. of Beds	Ambulance Available
Type D Hospital Thall	8	21	40	1
RHC Naryab	1	5	22	1



2.9.25 Karak:

General Information

Name of District	Karak
Total area (Sq Km)	65265 (Sq-KM)
Total Population	536000 (1998 Census)
Total Sub-Divisions	03 (Karak, Takht-e-Nasratti, B. D Shah)

Administrative Profile

Sub Division	Tehsil	No. of Union Council	No. of Villages	UC Population
Karak	Karak	9	-	-
Banda Daud Shah	Banda Daud Shah	5	-	-
Takht-e-Nasratti	Takht-e-Nasratti	7	-	-

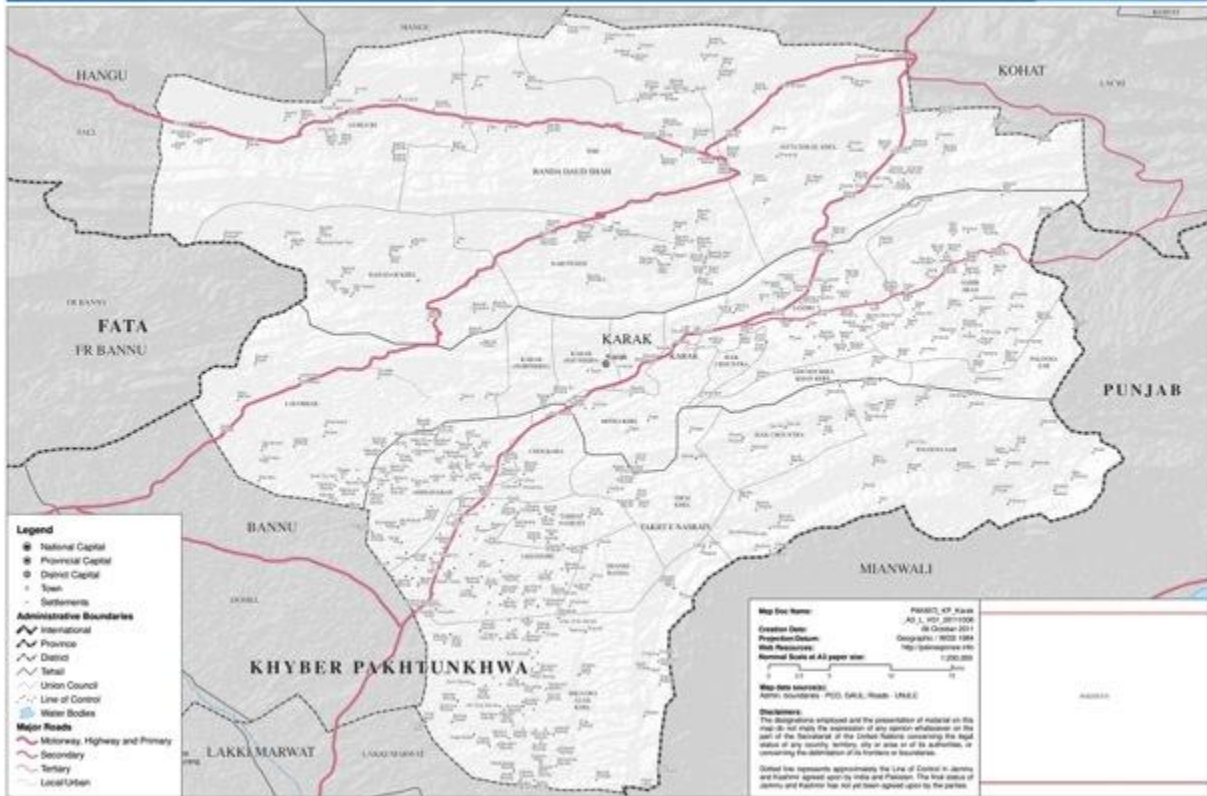
Important Contacts

Name	Designation	Contact Information			
		Office	Cell	Fax	email
Mr. Moh Shoaib jan Jadoon	Deputy Commissioner	0927-210825	0322-4020002	0927210925	deputycommissionerkk@yahoo.com
Hafiz Atta-ul-Munim	DDMO	0927-210710	0346-9502684	0927-210925	-

Vulnerable UC s and Villages

Name	Population	Name of Village	Name of River/Stream /Nullah
Jahangiri	-	-	InzarKhwar Flash Flood Hamidan area
ShnawaGuddi	-	-	Koh-e-Maidan

Khel			ShawaNasratti MachakiAlgada
Takht-e-Nasratti	-	-	LawagharAlgada
Warana Ahmad Abad	-	-	Lawaghar ZanganaChokara
Ghundi Mir Khan Khel	-	-	EasakKhwar Kando Khel Khwar
Mitha Khel	-	-	Hilly area Lawaghar Dam
Chokara	-	-	ZanganaChokara
Jandari	-	AlgadiKoroonaTarkha Koi	AlgadaTarkha Koi
EasakChountra	-	Sirat Khel NiaziChowk	Sirat Khel Algada ChandaniChowk
NariPanoos	-	NariPanoos	RanginiGarang
Jatta Ismail Khel	-	Shakar Khel village Makori Mami Khel	Eidgah& Primary School Khan Bat GulKoroona Mami Khel Toi
Teri	-	Teri Ahmadi Banda	Teri Algada CPF Nullah towards Teri Toi



Chapter-3

Needs and Gap Analysis

3.1 District level - Need and Gap 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 need and gap 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 NFI) 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 2014 - PESHAWAR VALLEY

Region/ Districts	Anticipated Needs Pre- Monsoon	Anticipated Needs during and after Floods		
		Rescue	Relief	Public services Health etc
Peshawar	Sand bags Dewatering pumps	Boats and vehicles, excavators etc	Cooked food, Animal fodder, Tents, Drinking water, Vaccination, POL, medicines	Water supply, restoration of damaged sewerage system, dewatering, Machinery for Removal of carcasses and debris from drainage 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

Evacuation Centers: Colleges, schools, govt buildings and tent camps identified as evacuation purpose

NEED AND GAP ANALYSIS MONSOON 2014 - NORTHAND HAZARA DIVISION

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 <i>Local Jallas (Boats),</i>	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 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
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	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

defense/ communities				
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

Evacuation Centers: Colleges, schools, govt buildings and tent camps identified as evacuation purpose

NEED AND GAP ANALYSIS MONSOON 2014 – SOUTHERN DISTRICTS

Region/ Districts	Anticipated Needs Pre- Monsoon	Anticipated Needs during and after Floods		
		Rescue	Relief	Public services
DI Khan	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
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
Karak	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
Lakki Marwat	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	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system

communities				
Kohat	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	Water supply, restoration of damaged sewerage system
Bannu	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system
Hangu	Sand bags Improvement in flood warning system against flash flooding, Regular updating of weather and flood forecasting,	Rescue equipment for first response	Tents, Cooked food, Safe drinking water, POL	Medicines, Water supply, restoration of damaged sewerage system

Evacuation Centers: Government Buildings (Schools and Colleges, Health centers, raised platform for camps)

SUMMARY OF NFI STOCK POSITIONS HELD BY DISTRICTS

S. No	District	Tents	Mattresses Sleeping bags	Plastic Sheets/Tarpaulin	Quilts/ Blankets	Water cooler/ Jerry Cans	Buckets	Kitchen Sets	Stoves	Hygiene Kits	Net Mosquito	Dewatering Pumps	Generator s
1	Nowshera	295	577	09	-	-	-	04	-	-	-	07	02
2	Charsadda	530	122	-	-	-	100	-	-	-	-	03	01
3	Peshawar	150	-	-	-	-	-	-	-	-	-	01	01
4	Swabi	106	-	-	-	96	-	-	-	-	-	03	-
5	Mardan	100	-	-	-	-	-	-	-	-	-	06	-
6	Mansehra	591	-	1000	-	200	66	-	08	-	-	-	04
7	Dir Lower	680	-	-	-	-	435	820	-	73	-	05	01
8	Dir Upper	127	-	-	1030	41	-	-	05	-	-	-	-
9	Malakand	500	-	-	-	-	-	-	-	-	-	02	-
10	Abbottabad	338	-	-	1665	-	37	-	-	-	-	-	-
11	Kohistan	200	-	-	500	-	-	-	-	-	-	-	-
12	Shangla	400	-	1 bundle	2500	-	50	-	03	-	-	-	-
13	Buner	15	-	-	-	-	-	-	-	-	-	-	-
14	Swat	0	-	-	-	-	-	-	-	-	-	-	-
15	Chitral	1500	150	600	-	500	-	-	-	-	-	-	06
16	Haripur	270	-	-	2794	-	-	-	2416	-	-	-	-
17	Torghar	98	97	-	247	-	-	-	-	-	-	-	-
18	Karak	140	-	-	500	-	10	-	-	-	-	-	-
19	Lakki Marwat	0	-	-	-	100	60	-	-	-	-	02	05
20	Hangu	0	-	02	-	-	20	-	-	-	-	-	01
21	Battagram	240	-	-	-	40	100	-	1000	-	-	-	-
22	Kohat	160	40	-	40	-	-	40	-	-	-	-	-
23	Bannu	999	200	-	1000	-	-	9350 (plates)	-	-	-	04	-
24	DIKhan	446	170	-	-	50	-	20	-	50 (Bath Soap)	670	05	07
25	Tank	400	-	-	-	-	-	10	-	-	-	05	04
	Total	8285	1356	1611	10276	1027	878	894	3432	73	670	43	32

LIST OF NFI STOCK AVAILABLE AT PDMA

S. No.	Items	Stock with PDMA
1	Tents	10468
2	Plastic Sheets	0
3	Blankets	10488
4	Kitchen Sets	59
5	Hygiene Kits	0
6	Jerry Canes	2850
7	Buckets	15
8	Tarpaulin	110
9	Stoves	388
10	Mosiquito Nets	1410

3.2 Red Crescent Presence in Khyber Pakhtunkhwa

Pakistan Red Crescent Society in working in following 11 districts of Khyber Pakhtunkhwa.

Mansehra	Battagram	Kohistan	Shangla	Chitral	Hangu	Bannu	D.I. Khan	Dir	Swat	Haripur
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STOCK POSITION-PAKISTAN RED CRESCENT SOCIETY

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	3286	400	400	600	470	600	1200	1200	1200	1200	398	10954
4	Jerry Cans	509	400	400	600	544	334	400	400	490	400	398	4875
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	200	200	200	199	2326
8	Hygiene Kit	447	200	200	300	248	300	200	200	200	200	199	2694
9	Buckets	116	--	--	--	40	--	--	--	--	--	--	156
10	Tub Basin	198	--	--	--	--	--	--	--	--	--	--	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

Estimated Humanitarian Response (Relief Items) High Impact Scenario 2014

S#	Districts	Anticipated Affected House Hold(HH)	FOOD		Shelter and NFI's						WASH		Health					
			FOOD HH 3 Months	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves	Drinking water Population	Anti Cholera	IEHK- MEHK	Immunization	Measles Vaccination	Static Clinics
1	Peshawar	36,108	659,693,160	12,036	12,036	24,072	36,108	36,108	72,216	72,216	3,611	36,108	216,648	100% Population Coverage with Priority to the vulnerable				
2	Charsadda	62,189	1,136,193,030	20,730	20,730	41,459	62,189	62,189	124,378	124,378	6,219	62,189	373,134					
3	Nowshera	59,292	1,083,264,840	19,764	19,764	39,528	59,292	59,292	118,584	118,584	5,929	59,292	355,752					
4	Mardan	8,060	147,256,200	2,687	2,687	5,373	8,060	8,060	16,120	16,120	806	8,060	48,360					
5	Swabi	1,521	27,788,670	507	507	1,014	1,521	1,521	3,042	3,042	152	1,521	9,126					
6	Tank	8,785	160,501,950	2,928	2,928	5,857	8,785	8,785	17,570	17,570	879	8,785	52,710					
7	D.I.Khan	72,084	1,316,974,680	24,028	24,028	48,056	72,084	72,084	144,168	144,168	7,208	72,084	432,504					
8	Lakki Marwat	6,501	118,773,270	2,167	2,167	4,334	6,501	6,501	13,002	13,002	650	6,501	39,006					
9	Kohat	5,298	96,794,460	1,766	1,766	3,532	5,298	5,298	10,596	10,596	530	5,298	31,788					
10	Mansehra	5,216	95,296,320	1,739	1,739	3,477	5,216	5,216	10,432	10,432	522	5,216	31,296					
11	Dir Lower	605	11,053,350	202	202	403	605	605	1,210	1,210	61	605	3,630					
12	Malakand	3,872	70,741,440	1,291	1,291	2,581	3,872	3,872	7,744	7,744	387	3,872	23,232					
13	Shangla	8,309	151,805,430	2,770	2,770	5,539	8,309	8,309	16,618	16,618	831	8,309	49,854					
14	Dir Upper	1,633	29,834,910	544	544	1,089	1,633	1,633	3,266	3,266	163	1,633	9,798					
15	Kohistan	16,077	293,726,790	5,359	5,359	10,718	16,077	16,077	32,154	32,154	1,608	16,077	96,462					
16	Swat	6,945	126,885,150	2,315	2,315	4,630	6,945	6,945	13,890	13,890	695	6,945	41,670					
17	Karak	7,881	143,985,870	2,627	2,627	5,254	7,881	7,881	15,762	15,762	788	7,881	47,286					
18	Hangu	2,741	50,078,070	914	914	1,827	2,741	2,741	5,482	5,482	274	2,741	16,446					
19	Chitral	805	14,707,350	268	268	537	805	805	1,610	1,610	81	805	4,830					
20	Battagram	1,644	30,035,880	548	548	1,096	1,644	1,644	3,288	3,288	164	1,644	9,864					
21	Bannu	7,995	146,068,650	2,665	2,665	5,330	7,995	7,995	15,990	15,990	800	7,995	47,970					
22	Buner	1317	24,061,590	439	439	878	1,317	1,317	2,634	2,634	132	1,317	7,902					
23	Haripur	7,092	129,570,840	2,364	2,364	4,728	7,092	7,092	14,184	14,184	709	7,092	42,552					
24	Abbottabad	4,081	74,559,870	1,360	1,360	2,721	4,081	4,081	8,162	8,162	408	4,081	24,486					
Grand Total		336,051	6,139,651,770	112,017	112,017	224,034	336,051	336,051	672,102	672,102	33,605	336,051	2,016,306					

Estimated Humanitarian Response (Relief Items) Medium Impact Scenario 2014

S#	Districts	Anticipated Affected House Hold(HH)	FOOD		Shelter and NFIs							WASH		Health				
			FOOD HH 3 Months	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves	Drinking water Population	Anti Cholera IEHK-MEHK Immunization	Measles Vaccination	Static Clinics	Mobile Health Teams	
1	Peshawar	12,036	219,897,720	4,012	4,012	8,024	12,036	12,036	24,072	24,072	1,204	12,036	72,216	100% Population Coverage with Priority to the vulnerable				
2	Charsadda	20,730	378,731,010	6,910	6,910	13,820	20,730	20,730	41,459	41,459	2,073	20,730	124,378					
3	Nowshera	19,764	361,088,280	6,588	6,588	13,176	19,764	19,764	39,528	39,528	1,976	19,764	118,584					
4	Mardan	2,687	49,085,400	896	896	1,791	2,687	2,687	5,373	5,373	269	2,687	16,120					
5	Swabi	507	9,262,890	169	169	338	507	507	1,014	1,014	51	507	3,042					
6	Tank	2,928	53,500,650	976	976	1,952	2,928	2,928	5,857	5,857	293	2,928	17,570					
7	D.I.Khan	24,028	438,991,560	8,009	8,009	16,019	24,028	24,028	48,056	48,056	2,403	24,028	144,168					
8	Lakki Marwat	2,167	39,591,090	722	722	1,445	2,167	2,167	4,334	4,334	217	2,167	13,002					
9	Kohat	1,766	32,264,820	589	589	1,177	1,766	1,766	3,532	3,532	177	1,766	10,596					
10	Mansehra	1,739	31,765,440	580	580	1,159	1,739	1,739	3,477	3,477	174	1,739	10,432					
11	Dir Lower	202	3,684,450	67	67	134	202	202	403	403	20	202	1,210					
12	Malakand	1,291	23,580,480	430	430	860	1,291	1,291	2,581	2,581	129	1,291	7,744					
13	Shangla	2,770	50,601,810	923	923	1,846	2,770	2,770	5,539	5,539	277	2,770	16,618					
14	Dir Upper	544	9,944,970	181	181	363	544	544	1,089	1,089	54	544	3,266					
15	Kohistan	5,359	97,908,930	1,786	1,786	3,573	5,359	5,359	10,718	10,718	536	5,359	32,154					
16	Swat	2,315	42,295,050	772	772	1,543	2,315	2,315	4,630	4,630	232	2,315	13,890					
17	Karak	2,627	47,995,290	876	876	1,751	2,627	2,627	5,254	5,254	263	2,627	15,762					
18	Hangu	914	16,692,690	305	305	609	914	914	1,827	1,827	91	914	5,482					
19	Chitral	268	4,902,450	89	89	179	268	268	537	537	27	268	1,610					
20	Battagram	548	10,011,960	183	183	365	548	548	1,096	1,096	55	548	3,288					
21	Bannu	2,665	48,689,550	888	888	1,777	2,665	2,665	5,330	5,330	267	2,665	15,990					
22	Buner	439	8,020,530	146	146	293	439	439	878	878	44	439	2,634					
23	Haripur	2,364	43,190,280	788	788	1,576	2,364	2,364	4,728	4,728	236	2,364	14,184					
24	Abbottabad	1,360	24,853,290	453	453	907	1,360	1,360	2,721	2,721	136	1,360	8,162					
Grand Total		112,017	2,046,550,590	37,339	37,339	74,678	112,017	112,017	224,034	224,034	11,202	112,017	672,102					

Estimated Humanitarian Response (Relief Items) Low Impact Scenario 2014

S#	Districts	Anticipated Affected HH	FOOD		Shelter and NFIs						WASH		Health				
			FOOD HH 3 Months	Tents	Plastic Sheet	Blanket	Kitchen Set	Hygiene Kits	Jerry Cane	Buckets	Tarpaulin	Stoves	Drinking water Population	Anti Cholera	IEHK-MEHK Immunization	Measles Vaccination	Static Clinics
1	Peshawar	4,012	73,299,240	1,337	1,337	2,675	4,012	4,012	8,024	8,024	401	4,012	24,072				
2	Charsadda	6,910	126,243,670	2,303	2,303	4,607	6,910	6,910	13,820	13,820	691	6,910	41,459				
3	Nowshera	6,588	120,362,760	2,196	2,196	4,392	6,588	6,588	13,176	13,176	659	6,588	39,528				
4	Mardan	896	16,361,800	299	299	597	896	896	1,791	1,791	90	896	5,373				
5	Swabi	169	3,087,630	56	56	113	169	169	338	338	17	169	1,014				
6	Tank	976	17,833,550	325	325	651	976	976	1,952	1,952	98	976	5,857				
7	D.I.Khan	8,009	146,330,520	2,670	2,670	5,340	8,009	8,009	16,019	16,019	801	8,009	48,056				
8	Lakki Marwat	722	13,197,030	241	241	482	722	722	1,445	1,445	72	722	4,334				
9	Kohat	589	10,754,940	196	196	392	589	589	1,177	1,177	59	589	3,532				
10	Mansehra	580	10,588,480	193	193	386	580	580	1,159	1,159	58	580	3,477				
11	Dir Lower	67	1,228,150	22	22	45	67	67	134	134	7	67	403				
12	Malakand	430	7,860,160	143	143	287	430	430	860	860	43	430	2,581				
13	Shangla	923	16,867,270	308	308	615	923	923	1,846	1,846	92	923	5,539				
14	Dir Upper	181	3,314,990	60	60	121	181	181	363	363	18	181	1,089				
15	Kohistan	1,786	32,636,310	595	595	1,191	1,786	1,786	3,573	3,573	179	1,786	10,718				
16	Swat	772	14,098,350	257	257	514	772	772	1,543	1,543	77	772	4,630				
17	Karak	876	15,998,430	292	292	584	876	876	1,751	1,751	88	876	5,254				
18	Hangu	305	5,564,230	102	102	203	305	305	609	609	30	305	1,827				
19	Chitral	89	1,634,150	30	30	60	89	89	179	179	9	89	537				
20	Battagram	183	3,337,320	61	61	122	183	183	365	365	18	183	1,096				
21	Bannu	888	16,229,850	296	296	592	888	888	1,777	1,777	89	888	5,330				
22	Buner	146	2,673,510	49	49	98	146	146	293	293	15	146	878				
23	Haripur	788	14,396,760	263	263	525	788	788	1,576	1,576	79	788	4,728				
24	Abbottabad	453	8,284,430	151	151	302	453	453	907	907	45	453	2,721				
Grand Total		37,339	682,183,530	12,446	12,446	24,893	37,339	37,339	74,678	74,678	3,734	37,339	224,034	100% Population Coverage with Priority to the vulnerable			

Overview of NFI Need and Gap Analysis

S. No.	Items	Stock with Districts	Stock with PDMA	Stock with PRCS	Total Stock Held	Requirements			Deficiency/Gap
						High Impact Scenario	Medium Impact Scenario	High Impact Scenario	Medium Impact Scenario
1	Tents	8285	10468	1846	20599	112017	37339	91418	16740
2	Plastic Sheets/ Tarpaulin	1611	110	10954	12675	112017	37339	99342	24664
3	Blankets	1747	10488	18504	30739	224034	74678	193295	43939
4	Kitchen Sets	894	59	2326	3279	336051	112017	332772	108738
5	Hygiene Kits	73	0	2694	2767	336051	112017	333284	109250
6	Jerry Canes	1027	2850	4875	8752	672102	224034	663350	215282
7	Buckets	958	15	0	973	672102	224034	671129	223061
8	Stoves	3432	388	1670	5490	33605	11202	28115	5712
9	Mosquito Nets	670	1410	3498	5578	33605	11202	28027	5624

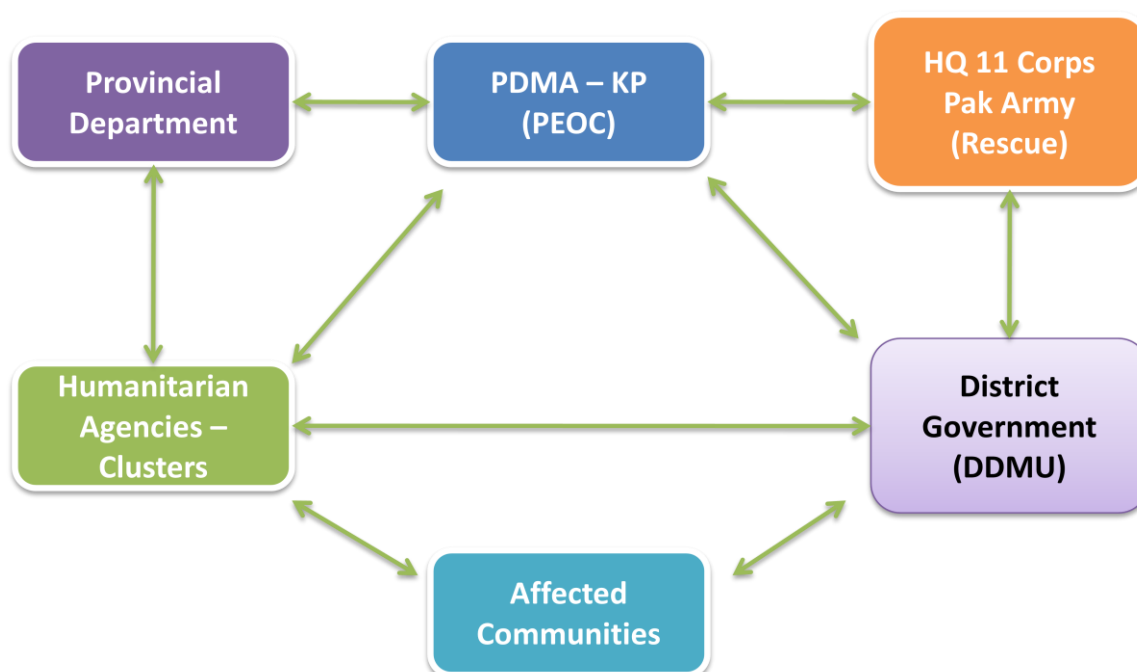
Chapter-4

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 2014



4.2 Roles & Responsibilities

4.2.1 District Administration:

- i. Formulation of District level contingency plans
- ii. Establishment of control rooms and dissemination of contact details
- iii. Arrangements for Quick dissemination of flood warning and establishment of Observation Posts (OPs) on the likely flood areas.
- iv. Activation of Civil defence staff and volunteers for rescue and relief operations
- v. Identification of flood disaster prone areas and threatening water channels
- vi. Earmarking evacuation arrangements routes, building and guidance etc
- vii. District level food stock (wheat) and NFIs quantities and locations

- viii. Coordination with humanitarian agencies i.e. INGOs, NGOs and UN agencies
- ix. Need and gap analysis of funds and stores.
- x. Formulation of comprehensive health response plans in coordination with DHO.
- xi. Carry out necessary liaison with Pak Army, Frontier Constabulary and Scouts for initiation of rescue operations.
- xii. Tasking of police authorities in evacuation and keep law and order
- xiii. Identification and removal of encroached areas along with BOR staff and municipalities.
- xiv. Excavation work of threatening water channels
- xv. Maintenance of flood protection works in respective district with sand bags and locally available material.
- xvi. The training of human resource, especially for operating rescue boats
- xvii. 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. 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 reporting
- vi. Arrange press briefings/press conferences for any officer/official

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

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 machineries
- 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 support to the District Admin for establishing evacuation centres in schools /colleges
- iii. Identification of all schools/ colleges earmarked for evacuation centres
- iv. Arrange continuation of education in flood affected areas
- v. Coordinate with humanitarian agencies i.e. INGOs, NGOs and UN agencies to make up the short falls
- vi. 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 Dept 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

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

- 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. The HRT consolidates the cluster Flood Contingency and Response Plans with PDMA.

- iii. Through the forum of the GCM the consolidated Flood Contingency and Response Plans is shared with PDMA KP
- iv. 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 numerators will be assured.
- v. 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 2014 monsoons.
- 101 boats and 121 OBMs (Out Board Motor) are procured and placed at the disposal of Army Headquarters 11 Corps.
- 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 2014 monsoons.

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 2014 till 30th September 2014. 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.

4.3.3 Army Response Measures

Army will only assist civil administration in rescue phase of floods. On formal requisitioning of Army in flood relief operation, all available resources will be mobilized. The main flood relief centre will be established at Peshawar and regional centres at *Khawazakhela*, Nowshera and DI Khan. The assets provided by PDMA available at regional hubs are as under:

Army Water Rescue Assets Available- Provided by PDMA

Formation / Units	Location	Boats	OBM's
7 Division / 109 Engineers Battalion	Peshawar	12	26
9 Division / 12 Engineers Battalion	Kohat	10	16
17 Division / 104 Engineers Battalion	Kalam	2	4
40 Division / 174 Engineers Battalion	Khawazakhela	12	4
	D I Khan	7	12
	Bannu	2	1
	Tank	4	4
Corps Reserve	102 Engineers Battalion	15	15
	479 Bridge Battalion Engineers (Akora)	7	7
	479 Bridge Battalion Engineers (Risalpur)	16	23
	Held with 15 Baloch Regiment	5	6
Total		92	118

Formation / Units	Night Boat Accessories	
	Accessories Fitted with 2x Search Lights	Portable (Small) Lights
7 Division / 109 Engineers Battalion	5	7
9 Division / 12 Engineers Battalion	1	2
17 Division / 104 Engineers Battalion	2	2
40 Division / 174 Engineers Battalion	3	3
Engineers 11 Corps / 102 Engineers Battalion (Corps Reserve)	1	3
Engineers 11 Corps / 479 Bridge Battalion Engineers (Corps Reserve)	3	3
Total	15	20

Army has arranged trainings of 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 2014. 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
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 2014. 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 all 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 2014 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 2014 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-affecteds 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.

LIST OF EMERGENCY EQUIPMENT AVAILABLE WITH ERS (RESCUE-1122)

S#	Items	Peshawar	Mardan	Total
1	Fiber Glass Boats	02	--	02
2	Inflateable Boats	02	02	04
3	Dewatering Pump (Heavy Duty)	01	01	02
4	Dewatering Pump (Light Duty)	01	01	02
5	Life Jackets	25	25	50
6	Buoy	05	05	10

LIST OF EMERGENCY EQUIPMENT AVAILABLE WITH C&W DEPARTMENT MALAKAND

S#	Items	Total
1	Trucks with Cranes	08
2	Bulldozers	20
3	Pneumatic Rollers	10
4	Excavators	14

IMPORTANT CONTACT DETAILS- PDMA

S #	Name	Mobile No	Email Address
1	Mr. Aurangzeb, Secretary RR&S Department	0346-9446666	--
2	Mr. Tahir Orakzai, Director General	0301-8580908	dg@pdma.gov.pk
3	Mr. Muhammad Khalid, Director (HR/Admn)	0334-9373333	director.hr@pdma.gov.pk
4	Ms. Ammara Aamer Khattak, Director (Relief)	0343-3992010	director.operations@pdma.gov.pk
5	Mr. Pervez, DDR	0333-9118803	
6	Mr. Jan Israr, Dy. Director(Accounts & Finance)	0347-5095507	--
7	Mr. Qaseem Khan Kakar, DD (O&C)	0332-0955826	--
8	Mr. Touseef Khalid, AD (DRM)	0321-9140114	ad.drm@pdma.gov.pk
9	Mr. Zia Ur Rehman, AD (O&C-I)	0345-9800895	--
10	Mr. Akhlaq Ahmad, AD (O&C-II)	0333-8658459	--
11	Abdullah Shah, A.D (Warehouse)	0333-9338074	--
12	Mr. Dil Nawaz Khattak, AD (Procurement)	0300-9060428	--

PROVINCIAL EMERGENCY OPERATION CENTRE (PEOC) in PDMA

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

COMMISSIONERS

Name	Division	Office	Fax	Mobile
Munir Azam	Peshawar	091-9211337	091-9214085	0300-4276763
Mohammad Afsar Khan	Malakand	0946-9240225 0946-9240185	0946-9240229-178, 0946-9240223(House)	-
Abid Ali Khan	Hazara	0992-9310111/9310222/9310444	0992-9310467/3310500	0333-5128924
Khalid Hussain	Mardan	0937-9230572-74	0937-9230578	0300-5895366
Syed Jamaluddin Shah	Kohat	0922-9260002	0922-9260105	0300-5828786
Syed Muhsan Shah	Bannu	0928-9270044	0928-9270041	0300-5799950
M. Mushtaq Jadon	D.I Khan	0966-9280351	0966-9280352	0300-8594036

DEPUTY COMMISSIONERS

District	Name of Officer	Office	Fax	Mobile	Residence
Abbottabad	Mr.Mateeh Ullah	0992-9310200/01-24	0992-9310202	0336-3363300	992-9310111
Bannu	Mr.Muhammad Ayaz	0928-9270032	0928-9270079	0342-6668883	0928-9270032
Battagram	Mr.Zarif- ul-Mani	0997-310030/310136	0997-310051	0333-9506649	0997-311421
Buner	Mr. Mushtaq Ahmad	0939-510450	0939-510427	0346-9473344	0939-510454
Charsadda	Mr.Fazal Rehman	091-9220021/9220024	091-9220024	0300-5908162	091-9220024
Chitral	Mr.Amin-ul-Haq	0943-412055/412519/412055	0943-412421	0300-5871094	0943-412519
D.I.Khan	Mr.Waqar Ali Khan	0966-9280116	0966-9280110	0300-9706933	0966-9280022
Dir Lower	Mr.Sohail Khan	0945-9250003/09459250032	0945-9250001	0332-1714723	0945-9250002
Dir Upper	Dr. Imran Hamid Shah	0944-880394	0944-881130	0300-9669334	0944-880104
Hangu	Mr. Naeem Anwar	0925-621175	0925-620050	0333-9678882	0925-623968
Haripur	Mr.Nisar Ahmad	0995-613389	0995-615412	0345-4744721	0995-611149
Karak	Mr. Moh Shoaib jan Jadoon	0927-210825	0927-210925	0322-4020002	0927-210600
Kohat	Mr.Amjid Ali Khan	0922-9260268	0922-9260031	0300-5420798	0922-9260031
Kohistan	Syed Mohammad shah	0998-407002	0998-407001	0344-9998819	0998-407193

LakkiMarwat	Mr.Zafar Ali Shah	0969-538330-1	0969-538333	0300-5891185 0315-9246546	0969-538331
Malakand	Mr.Yahya Akhunzada	0932-411482/411880	0932-413199	0345-9112112	0932-411002
Manshera	Mr.Zulfiqar	0997-304148	0997-305513	0345-6661111	0997-920174
Mardan	Mr. Seed Ullah	0937-9230047-48	0937-9230303	-	0937-9230477
Nowshera	Mr. Zaka Ullah	0923-9220099/98	0923-9220159	0345-9401402	-
Peshawar	Mr. Zaheer ul Islam	091-9212302	091-9212303	0300-9393989	091-9211338
Shangla	Mr. Zafar-ul-Islam	0996-850005	0996-850002	0300-5484888	0996-850008
Swabi	Mr. Kamran Afridi	0938-221300	0938-221917	0333-9189606	0938-221220
Swat	Mr. Mahmood Islam	0946-9240340	0946-9240329	0333-5109329	0946-9240338
Tank	Mr. Habib Ullah Khan Wazir	0963-511326	0963-510300	0300-9094274	0963-511326
Tor Ghar	Mr.Sanna Ullah	0997-239879	0997-580188	-	0997-214762

DDMOs

Name	Designation	District	Mobile Phone	Office Phone	Fax
Mr. Khawaja Faheem	DDMO	DIR UPPER	0312-5757159	0944-880506	0944-881130
Mr. Taimoor Khan	DDMO	CHARSADDA	0333-9100707	091-9220137	091-9220026
Mr. Abdul Hameed Khan	DDMO	NOWSHERA	0313-9154632	0923-9220234/9220104	0923-9220220
Mr. Habib Ullah Wazir	DDMO	SHANGLA	0345-5533727	0996-850793/3337	0996-8500066
Mr. Ishfaq Khan	DDMO	SWAT	0300-9040564	0946-9240341	0946-9240329
Mr. M. Riaz	DDMO	TANK	0333-9370513	0963-510467	0963-510300
Mr. Irfan Ullah Masood A.C	DDMO	D I KHAN	0333-5855069	0966-9280117	0966-9280110
Mr. Mohammad Abid	DDMO	KOHISTAN	0333-5056348	0998-407029	0998-407001
Mr. Ayaz	DDMO	DIR LOWER	0345-8078320	0945-9250029	0945-9250001
Mr. Mumtaz Ahmad	DDMO	PESHAWAR	0333-9221822	091-9212304	091-9212303
Mr. Yasir Qayyum	DDMO	LAKKI MARWAT	0334-9009055	0969-350955	--
Capt. Aurangzeb	DDMO	BANNU	0333-5480546	0928-9270039	0928-9270079
Mr. Javed Iqbal	DDMO	BATTAGRAM	0334-5343856	0997-312189	0997-310051
Dr. Qasim Ali Khan	DDMO	MANSEHRA	0300-9113919	0997-300571	0922-9260045
Mr. Farrukh Atiq	DDMO	KOHAT	0333-3873087	0922-9260046	0922-9260045

Mr.Owais Malak	DDMO	BUNER	0300-5539697	0939-510234	--
Mr.Kashif Qayum Khan	DDMO	CHITRAL	0334-9009056	0943-413686/412519	0943-413686
Mr. Hafiz Attaul Munim	DDMO	KARAK	03469502684	0927-211661	0927-210825
Mr.Agha Sher Zaman (AC)	DDMO	HARIPUR	0314-248739	0995-613389	0995-615412
Mr. Asad	DDMO	MALAKAND	0345-8845303	0932-412254	0932-412254
Mr. Osama Ahmad	DDMO	ABBOTABAD	0342-5222688	0992-9310203	0992- 9310202
Mr.Altamash JanJua	DDMO	SAWABI	0333-9553387	0938-221401	0938-938221917
Mr.Hafiz Ullah	DDMO	TOR GHAR	0302-8108228	0997-214762/322529	--
Mr. Omer	DDMO	MARDAN	0301-4253595	0937-9230701	0937-9230303
Mr. Abdul Ghafoor	DDMO	HANGU	0300-0193777	0925-623782	0925-623782

SUMMARY OF HEALTH FOCAL PERSONS & FACILITIES IN DISTRICTS

S No	Districts	Focal Person/Contact Number	Health Facilities					HR		Logistics			Teams	
			DHQs	CH/THQs	RHCs	BHUs	CDs	Available	Vacant	Tot Amb	Opr	Non Opr	Mobile	Static/Fixed
1	Abbottabad	Dr. Minhaj ul Haq 03335057383	1	1	9	53	43	946	68	10	10	0	2	4
2	Banuu	Dr. Talea Muhammad 03009068767	1	0	2	34	26	351	0	3	1	2	0	1
3	Battagram	Dr. M Saleem Coord NP 03335051120	1	1	2	28	9	357	90	3	3	0	4	4
4	Buner	Dr. Abdul Wahid 03429624269	1	3	4	18	8	479	0	7	7	0	0	8
5	Charsadda	Dr. Akhunzada Zafar Aali 03459406902	1	2	3	45	7	690	20	14	11	3	0	0
6	Chitral	Dr. Israr Ullah 0943-412754 03059609474	1	3	6	19	28	1064	129	13	8	5	2	10
7	Dir Lower	Dr. Tanveer Epidemiologist 0333 900 1234	1	2	5	31	22	983	119	8	8	0	8	0
8	Dir Upper	Dr. Nazar Muhammad 0336 937 2230	1	3	3	32	13	800	257	13	13	0	6	6
9	D I Khan	Dr. Aziz Ullah Cordinator PH/RBM 03459821128	1	4	2	39	31	1120	55	12	6	6	12	15
10	Hangu	Dr. Shakoor	1	1	1	13	3	320	40	4	4	0	3	3

		Rehman 0302 565 4556												
11	Haripur	Dr. Mohammad Bilal Coordinator DHIS 0995-613383	1	3	5	39	6	190	38	9	7	2	12	9
12	Kohat	Dr. Arif Bukhari 03339617672	1	2	5	20	9	898	73	17	13	4	3	1
13	Karak	Dr.M Ayaz 0301 875 2439	1	1	5	19	0	992	134	10	9	1	0	0
14	Kohistan	Dr. Taj Mohammad Coordinator NP 0312 991 5735 0302 350 9804	0	0	4	34	1	386	95	4	3	1	4	37
15	Laki Marwat	Dr. Abdur Rahaman 0345 985 6667	1	3	5	27	8	926	49	11	9	2	2	4
16	Mansehra	Dr. S Ijaz A Shah 0334 501 8718 0997-920169	1	9	9	49	58	1016	207	19	18	1	6	2
17	Malakand	Dr. Hidayat ur Rahman DDHO 03159697144 Dr. Akhtar Munir 03459868322	1	1	5	20	9	841	129	14	13	1	1	0
18	Mardan	Dr. Fazle Malik 0300-5728456	1	1	4	49	17	1154	153	26	23	3	825	91
19	Nowshera	Dr Abu Zar 03005882054	1	1	7	30	10	594	50	13	12	1	710	101
20	Peshawar	Dr. Arshad Amir 0333 911 9465	0	3	6	49	32	1083	3	10	9	1	12	16

21	Shangla	Mr. Saeed Ullah 03018048782	1	2	2	15	12	607	79	11	9	2	3	2
22	Swat	Dr. Inam Ullah Khan 0300 574 1077	1	7	3	41	18	960	18	24	21	3	6	7
23	Swabi	Dr. Fida Muhammad 0300 568 7817	1	2	4	40	9	2024	229	12	12	0	90	8
24	Tank	Dr. Tahir Javed DDHO 0300 579 3733	1	0	3	18	8	582	55	8	7	1	5	31

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 Fax 9210867	03339118083
2	Engr. Babar Majeed SO (Roads)/ Focal Person	091-9210850 Fax 9210867	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

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

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. Shamsher 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. Amanullah Shah Instructor Incharge	0942/220468
19	Bajaur Agency	--	0924/210310
20	Khyber Agency	--	0924/210310
21	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

Name & Designation	Office	Residence
Arif Mahmood Director General, Met. Services , Islamabad	051-9250367 Fax: 051-9250368	0300-3382151
S.Mushtaq Shah Director, Regional Meteorological Centre, Peshawar	091-9210190	091-9212080 0333-5041282

HOUSEHOLD CASELOAD FOR MONSOON CONTINGENCY PLAN 2014

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

HYGIENE KITS

S No	Items	Specification
1	Bath Soap	Good quality available in market 80 gms
2	Laundry Soap	Local made (special quality) 250 gms
3	Nail Cutter	Large Standard Size
4	Towel	Cotton, Medium Size
5	Comb	Fine Quality
6	Sanitary Cloth	Filalain 1 meter in 2 pieces
7	Mug with Handle	Fine quality plastic
8	Lota with handle	Fine quality plastic
9	Insecticide treated nets	Good quality available in the local market

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)