



F.1 (E)/2022-NDMA (MW/SITREP)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD

Dated: 23rd August 2022Subject: **NDMA Monsoon 2022 Daily Situation Report No 071**

NDMA Monsoon 2022 Daily Situation Report No 071, covering period from 1300 hours on 22nd August 2022 to 1400 hours 23rd August 2022 is enclosed for information / necessary action, please.

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1. **Deaths/ Injured**a. **Last 24 Hours**

Province /Region	Deaths				Injured				Remarks
	M	F	C	T	M	F	C	T	
AJ&K				0				0	NTR
Balochistan				0				0	
GB				0				0	
ICT				0				0	
KP		2		2	27	1	5	33	Due to Roof Collapse Deaths 1x Female in DI Khan 1x Female in Tank Injured. 27x Males in district DI Khan 1x Female in Tank 5x Children in Mohmand
Punjab				0				0	NTR
Sindh	-(1)		9	8				0	Due to Roof Collapse Deaths 4x Children in Sukkar 3x Children in Jacobabad 2x Children in Dadu
Total	-(1)	2	9	10	27	1	5	33	

b. **Cumulative Deaths and Injured (14 June to date)**

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	24	13	0	37	14	6	0	20
Balochistan	105	55	65	225	52	11	32	95
GB	2	4	3	9	1	0	3	4
ICT	1	0	0	1	0	0	0	0
KP	49	33	86	168	77	59	92	228
Punjab	72	40	39	151	136	100	64	300
Sindh	84	35	120	239	401	156	144	701
Total	337	180	313	830	681	332	335	1348

2. **Damages of Infrastructure & Private Properties**a. **Last 24 Hours**

Province /Region	Roads (km)	Bridges	Shops	Houses			Live-stock
				PD	FD	Total	
AJ&K						0	
Balochistan						0	
GB						0	
ICT						0	
KP				14		14	17
Punjab				16270	-5280 ^{^^}	10990	202784
Sindh				47999	34772	82771	266
TOTAL	0	0	0	64283	29492	93775	203067

Note: PD- Partially Damaged, FD- Fully Damaged

[^] Concerned DC, Sindh

^{^^} Houses re-categorized as PD by PDMA

b. **Cumulative Report (14 June to date)**

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	17	143	250	393	765
Balochistan	710	18	0	19400	7167	26567	500000
GB	2	52	0	204	306	510	0
ICT	0	0	0	0	0	0	0
KP	6.5	7	0	6736	7276	14012	676
Punjab	33	7	1	33224	5663	38887	202797
Sindh	2135.4	45	32	228677	104180	332857	3150
TOTAL	2886.9	129	50	288384	124842	413226	707,388

*Data reconciled by PDMA

3. **Road Blocked Last 24 Hours**

Province/ Rgn Wise	No of Road	Details of Road Network	Cause of Blockage	Restoration Status	Machinery/ Manpower Deployed
AJ&K	NTR				
Balochistan	2	N-25 Qta- Karachi	Lunda Bridge washed away	Open for light traffic	Yes
		M8	Land sliding	Blocked	
GB	3	Hisper Valley Road	Land slide	In progress	Yes
		Shimshal Road	Rock fall	In progress	
		Mujawir road at Ishkoman (Immit valley)	Flash Flood	In progress	
ICT	NTR				
KP					
Punjab					
Sindh					

4. **Joint Survey/ Damage assessment Flood Affected Areas.** Provincial coordination team of NDMA has reached Balochistan.5. **Rescue & Relief Operations Since 14 June 2022**

Province/ Rgn Wise	No of affected District	Affected Population	No of Person Rescued	Persons in Relief Camp
AJ&K	10	2,000	40	0
Balochistan	34	360,000	600	7,000
GB	6	7360	4,800	180
KP	33	50,000	2015	200 x Families (1000 approx)
Punjab	16	674,512	41,940	3194
Sindh	17	1,913,986	0	149,658
Total	116	3,007,858	49,395	161,032

6. **Relief Provided by NDMA**

S No	Province	Tent	Tarpaulin	Mosquito Nets	Blanket	Hygiene Kits	Kitchen Set	Food Packs	First Aid Kit	Generator	Chemical Spray Machine	Jerry Can	Sleeping Bag	De-watering Pumps	Life Saving Jacket
1	BLN	7850	16300	17800	13500	3000	3200	12500	5000	85	140	8000	1000	84	200
2	KP	850	850	850	900	1150	850	1000	500	05	0	1000	0	05	0
3	PB	1650	1500	1500	1000	500	500	1400	500	0	0	1000	0	20	50
4	SINDH	13496	11100	10150	1000	1500	1700	6500	500	15	20	2000	0	95	100
5	AJ&K	450	300	0	750	0	200	0	500	0	0	0	0	0	0
6	GB	550	700	0	500	0	400	0	700	0	0	0	0	0	0
7	ICT	15	15	0	0	0	0	0	0	0	0	0	0	2	0
TOTAL		24861	30765	30300	17650	6150	6850	21400	7700	105	160	12000	1000	206	350

7. **Relief Provided by PDMA**

Item	Tents	Blankets/ Quilt/ Sleeping Bags	Net Mosquito/ animal	Tarpaulin	Plastic Mats	Jerry Cane	Water tank/ Bottle/	Water Tanks/ filter	Water Cooler	Food Packs	Cooked Food	Gas Cylinders	Kitchen Set	First aid kits	Hygiene kit	Life Saving Jackets	Beds/ Chapai and	Boats	De-watering pumps
AJ&K	116	34	0	161	56	9	9	0	0	35	0	0	9	35	0	0	11	0	0
Bln	27395	12636	17236	21166	7456	8350	31050	131	9750	36492	0	9166	7776	546	3250	207	100	6	26
GB	661	347	0	0	550	0	0	0	0	581	0	0	137	0	0	0	302	0	0
KP	1447	503	653	497	722	125	0	0	0	818	0	119	885	0	645	0	403	0	0
Punjab	24706	1000	200	0	10800	0	5	0	0	18570	0	0	0	0	0	0	0	0	0
Sindh	79815	0	138,975	25810	1950	10,880	39	0	110	23382	45	0	3610	0	0	150	3620	36	153
Total	134140	14520	157,064	47634	21534	19,364	31103	131	9860	79878	45	9285	12417	581	3895	357	4436	42	179

8. **Relief Provided by Humanitarian Agencies**(a) **Last 24 hours.** NTR(b) **Cumulative Relief by Humanitarian Agencies**

S#	Relief Items	Punjab	Sindh	KP	Bltn	AF	Total	Mjr cont
1	Food Packs (No.)	1,602	501	1,400	26,841*	35,972	66,316	Nestle Pk, WHO, KORT Relief, PRCS, Penny Appeal, Helping Hands (HHRD), IRC, IRP, Muslim Hands, Muslim Aid, UAE Red Crescent, Armed Forces, UNHCR
2	Cooked Food (No.)	18,054	9,580	2,250	3,710	-	33,594	
4	Drinking Water (Litre)	17,741	1,545	300	71,390	19,120	110,096	
5	Tents (No.)	-	-	-	1,878*	3,650	5,528	
6	Shelter Kits (No.)	-	-	-	1,800	-	1,800	
7	Dewatering Pumps (No.)	3	5	-	-	-	8	
8	Water Filtration / Purification Plant(No.)	-	-	2	6	2	10	
9	Hygiene Kits (No.)	160	650	900	5,887*	-	7,597	
10	Medical Support (Persons)	871	2,482	989	10,603	23,091	38,036	
11	Medicine (No.)	-	-	-	134,691	-	134,691	
12	Aqua Tabs (No.)	-	-	-	200,000	-	200,000	
13	Jerry Cans (No.)	-	100	1,800	-	-	1,900	
14	NFIs (No.)	529	652	695*	4,516*	-	6,392	
15	Cash (Beneficiaries)	2,000	-	-	8,840	-	10,840	

* Includes 540 tents, 874 NFI kits, 240 dignity kits & 500 food packs for Afghan Refugees

9. **Dams and Reservoirs Levels**

Reservoirs	Max Conservation Level & Storage		Today's Level		Remaining Level & Storage	
			Current Level & Storage			
	Feet	(MAF)	Feet	(MAF)	Feet	(MAF)
Tarbela	1,550.00	5.827	1550	5.827	Nil	Nil
Mangla	1,242.00	7.356	1177.85	3.063	64.15	4.29 58.36
Chashma	649.00	0.278	642.0	0.058	7	0.22

MAF - Million Acre Feet

Authority: FFC's Daily Weather & Flood Situation Report dated 23rd August 2022.

10. **Flood Alert / River Flows.**

- River Indus at Guddu is in High Flood Level.
- River Indus at Taunsa and River Kabul at Nowshera are in Medium Flood Level.
- River Indus at Kalabagh, Chashma & Kotri is in low Flood Level.
- VERY HIGH TO EXCEPTIONALLY HIGH-LEVEL Flooding is expected in the Hill Torrents of DG Khan Division and in Rivers/Nullahs of Eastern Balochistan from 23 rd to 26th August, 2022.
- Flows from Hill Torrents of DG Khan Division may rise Taunsa flows up to high to very high flood level from 24 th to 26th August, 2022. Urban Flooding is also expected in Sindh during the same period.
- High to very High-level flooding is expected in River Kabul at Nowshera and Tributaries of Rivers Kabul & Indus from 24th to 26th August, 2022.

Structures	Design ed Capacity	Historic Peak Floods experienced to-date*		Last Year Flow		Today Actual Flow with Flood Classification			Comparat iveDanger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classificati on*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	132,000	122,000	245,000	252,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	116,000	109,000	284,000	279,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	153,000	140,000	351,000	333,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	135,000	116,000	436,000	436,000	Med. Flood (S)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	122,000	90,000	562,000	562,000	High. Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	87,000	35,000	500,000	500,000	High. Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	31,000	NIL	261,000	261,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000	450,000	29-07-2010		19,000		88,000	Med. Flood (F)	200,000
• Nowshera									200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010						150,000
• Munda(H. Works)	150,000	355,000	29-07-2010						150,000
• Charsadda Road		360,000	30-07-2010						100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	22,000	32,000	28,000	12,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	12,000	7,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	44,000	9,000	60,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	15,000	7,000	58,000	51,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	18,000	1,000	53,000	37,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	8,000	74,000	61,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	NIL	101,000	95,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		13,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		22,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	2,000	42,000	15,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	14,000	NIL	14,000	2,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	16,000	4,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	4,000	3,000	Normal	175,000

11. **Daily Flood / Base Flow Data Obtained from India.**

Ser	Dam	Full Reservoir Level	Live Storage Capacity at FRL	Current Live Storage (MAF)	Current Level	Inflow	Outflow
a.	Bhakra Dam River Sutlej	1680	5.050	3.636 (18 th Aug)	1656.54	46,700	23,346
b.	Pong Dam River Beas	1390	4.991	3.359 (18 th Aug)	1379.92	42,261	17,620
c.	Thein Dam River Ravi	1732	1.900	1.62 (18 th Aug)	1718.26 (18 th Aug)	Not Available	Not Available

Authority: Ministry of Water Resources, Office of PCIW report of 23rd August 2022.

12. **Summary Pre- Monsoon and Monsoon Spells Till 23rd Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	128.1	340.7	165.96
AJ&K	354.3	348.5	-1.64
Balochistan	58.4	275	370.89
Gilgit Baltistan	35.4	67.8	91.53
Khyber Pakhtunkhwa	226.2	287.3	27.01
Punjab	208	389.5	87.26
Sindh	117.6	583.7	396.34

13. **Rainfall Last 24 Hours**

Stations	Rainfall (mm)
Sindh	
Khairpur	31
Mithi	30
Chhor	29
Badin	08
Larkana	04
Padidan	03
Jacobabad	02
Sukkur & Tando Jam	01
Mohenjodaro & Rohri	Trace
Punjab	
Bahawalpur	(City 24 & A/P 22)
Lahore	(A/P 04 & City Trace)
Khyber-Pakhtunkhwa	
Parachinar & Drosh	04
Mirkhani	03
Chitral	02
Kalam	Trace
Dir	(Upper Trace)
Balochistan	
Loaralai	01
Gilgit-Baltistan	
Babusar, Gilgit, Skardu & Bagrote	Trace
Kashmir	
NIL	

Authority: PMD Daily Weather & Flood Situation Report dated 23rd August 2022.

14. **Weather Forecast for next 24 hours by PMD.** Widespread thunderstorm/rain of heavy to very heavy intensity at scattered places and extremely heavy falls at isolated places is expected over lower and central Sindh. Scattered to widespread thunderstorm/rain of moderate to HEAVY INTENSITY with isolated very heavy falls is expected over Eastern Balochistan and DG Khan, Multan, DI Khan, Bannu, Kohat, Peshawar & Sargodha Divisions along with Upper catchments of Rivers Kabul and Indus. Scattered thunderstorm/rain of moderate intensity is expected over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej along with Islamabad and Rawalpindi & Gujranwala Divisions. Isolated thunderstorm/ rain is expected over rest of the country except Western Balochistan.

15. **Weather Alert / Advisory / Press Release**

- a. Met Office informed that a well-marked low pressure (LPA) located over east Rajasthan (India) is likely to move northwest direction and approach Sindh tonight. Due to this strong weather system monsoon currents are penetrating in southern and upper parts of the country. Under the influence of this weather system:
- More rain-wind/thundershower (with scattered heavy to very heavy falls) is expected in Sindh, south Punjab, south and northeastern Balochistan from 23 rd to 26 th August with occasional gaps.
 - Rain-wind/thundershowers (with isolated heavy falls) are expected in Khyber Pakhtunkhuwa, Punjab, Kashmir and Gilgit-Baltistan from 23rd (night) to 26 th August with occasional gaps.
- b. **Possible Impacts:**
- Heavy Rains may generate **urban flooding** in Karachi, Hyderabad, Tando Jam, Thatta, Badin, Mirpurkhas, Sanghar, Khairpur, Shaheed Benazirabad, Dadu, Naushahro Feroz, Larkana, Jaccobabad and Sukkur on **24th & 25th August**.
 - **Flash flooding** is expected in Qilla Saifullah, Quetta, Ziarat, Harnai, Pishin, Loralai, Barkhan, Kohlu, Dera Bugti, Jhal Magsi, Mosa Khel, Zhob, Sherani, Sibbi, Naseerabad, Bolan, Awaran, Kalat, Khuzdar, Lasbella and **hill torrents** of Dera Ghazi Khan from 24th to 26th August.
 - Heavy Rains may generate **urban flooding** in Rawalpindi/Islamabad, Bahawalpur, Multan, Lahore and Gujranwala on 24th & 25th August.
 - **Flash flooding** is expected in local Nullahs of Islamabad/Rawalpindi, Abbottabad, Mansehra, Dir, Karak, Lakki Marwat, Bannu and Kashmir from 24th to 26th August.
 - Rainfall may trigger **landslides** in Kashmir, hilly areas of Khyber Pakhtunkhwa, Galiyat, Murree, Chillas, Diamir, Gilgit, Hunza, Astore, Ghizer and Skardu during the forecast period.


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