



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



Dated: 21st August 2022

Subject: **NDMA Monsoon 2022 Daily Situation Report No 069**

NDMA Monsoon 2022 Daily Situation Report No 069, covering period from 1300 hours on 20th August 2022 to 1400 hours 21st August 2022 is enclosed for information / necessary action, please.

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To: Secretary to Prime Minister, Prime Minister's Office, Islamabad
 Military Secretary to Prime Minister, Prime Minister's House, Islamabad

Cc: Secretary, Ministry of Climate Change, Islamabad
 Director General, Pakistan Meteorological Department, Islamabad
 Director General, Frontier Works Organization, Rawalpindi
 Chairman, Federal Flood Commission, Islamabad
 Chairman, National Highway Authority, Islamabad
 Joint Commissioner, Pakistan Commission for Indus Water, Islamabad
 Chief Meteorologist, Flood Forecasting Division, Lahore
 Director General, NHEPRN, Islamabad
 Director General, PDMA Balochistan, Quetta
 Director General, PDMA Khyber Pakhtunkhwa, Peshawar
 Director General, PDMA Punjab, Lahore
 Director General, PDMA Sindh, Karachi
 Director General, SDMA AJ&K, Muzaffarabad
 Director General, GBDMA, Gilgit
 Joint Crisis Management Cell, Joint Staff Headquarters, Rawalpindi
 Military Operation Directorate (MO-4), GHQ, Rawalpindi
 Arms Branch, Engineers Directorate, GHQ, Rawalpindi
 Director (SOF & Marines), Naval Headquarters, Islamabad
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ID: APS to Member (Ops), NDMA
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 Director (Logistics), NDMA
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 Director (P&IC), NDMA
 Director (Admin), NDMA
 Director (Finance), NDMA
 Director (Media & IT), NDM
 APS to Chairman, NDM

1. Deaths/ Injureda. Last 24 Hours

Province /Region	Deaths				Injured				Remarks
	M	F	C	T	M	F	C	T	
AJ&K	1	0	0	1	0	0	0	0	Due to roof collapse in Sudhnoti
Balochistan	0	5	4	9 [^]	3	-1	10	12 ^{^^}	[^] Due to roof collapse in Jaffarabad ^{^^} Data updated by PDMA
GB	0	0	0	0	0	0	0	0	NTR
ICT	0	0	0	0	0	0	0	0	
KP	0	0	0	0	0	0	0	0	
Punjab	0	0	0	0	0	0	0	0	
Sindh	9	9	21	39	0	0	0	0	
Total	10	14	25	49	3	-1	10	12	<ul style="list-style-type: none"> • 1x Male, 1x female & 6 children in Khairpur • 1x Male & 2x children in Tando Allah Yar • 1x Male, 1x female & 2x children in Jacobabad • 2 x Females & 5 x children in Shikarpur • 1x Female in Thatta • 2x Children in Malir • Reconciliation of Data 6x Males, 4x females and 4x children data has been added from SBA and N.Feroze

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

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	23	12	0	35	13	6	0	19
Balochistan	98	53	65	216	52	11	30	93
GB	2	4	3	9	1	0	3	4
ICT	1	0	0	1	0	0	0	0
KP	43	28	78	149	52	60	74	186
Punjab	72	40	39	151	136	100	64	300
Sindh	80	33	103	216	401	156	144	701
Total	319	170	288	777	655	333	315	1303

2. Damages of Infrastructure & Private Propertiesa. Last 24 Hours

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K				3	1	4	19
Balochistan	20			2340	1110	3450	
GB						0	
ICT						0	
KP				29	655	684	
Punjab				-(1)		-(1)	
Sindh				27468	28060	55528	250
TOTAL	20	0	0	29839	29826	59665	269

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	17	140	243	383	765
Balochistan	710	18	0	19400	7167	26567	500000
GB	2	52	0	200	303	503	0
ICT	0	0	0	0	0	0	0
KP	6.5	7	0	6563	6493	13056	613
Punjab	33	7	1	11212	9590	20802	13
Sindh	2135.4	45	32	78048	37077	115125	2257
TOTAL	2886.9	129	50	115563	60873	176436	503,648

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	In progress	Yes
		M8	Land sliding	In progress	
		N-50 (Zhob-DI Khan)	Land slide	Open for all types of traffic	
		N-70 (Barkhan- DGK)	Land slide		
GB	4	Hisper Valley Road	Land slide	In progress	Yes
		Shimshal Road	Rock fall	In progress	
		Mujawir road at Ishkoman (Immit valley)	Flash Flood	In progress	
		Askole road at Shigar	Bridge damaged due to Flash Flood	In progress	
ICT	NTR				
KP	3	N- 50 at Daraban	Flash Flood	Open for traffic	Yes
		Parova road		In progress	
		Garra Rehman		Open for LTV, Medium veh and fuel tankers	
		KKH at Auchar Nullah			
Punjab	NTR				
Sindh	NTR				

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	3	119,367	3009	4,696
Sindh	17	1,356,863	NR	25,120
Total	103	1,895,590	1,868,098	317896

6. **Relief Provided by NDMA**

Items	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	5	-	1000	-	5	-
3	PB	1650	1500	1500	1000	500	500	900	500	-	-	1000	-	20	50
4	SINDH	3950	3600	4200	1000	1000	1200	5000	500	15	20	2000	-	85	100
5	AJ&K	450	300	-	750	-	200	-	500	-	-	-	-	-	-
6	GB	550	700	-	500	-	400	-	700	-	-	-	-	-	-
7	ICT	15	15	-	-	-	-	-	-	-	-	-	-	2	-
TOTAL		15315	23265	24350	17650	5650	6350	19400	7700	105	160	12000	1000	196	350

7. **Relief Provided by PDMA**

Item	Tents	Blankets/ Quilt/ Sleeping Bags	Net Mosquito	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	0	9	0	0	35	0	0	9	35	0	0	11	0	0
Bln	27265	11280	14580	15560	5850	8350	31050	125	9950	32942	0	8100	7070	260	1750	187	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	3300	0	200	0	666	0	5	0	0	40000	0	0	0	0	0	0	0	0	0
Sindh	62650	0	120975	18710	1950	10,480	39	0	110	13,900	45	0	3610	0	0	150	4220	14	150
Total	95439	12164	136408	34928	9794	18,955	31103	125	10060	88,276	45	8219	11711	295	2395	337	5036	20	176

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

S no	Province	District	Relief Items	Quantity	Organization
1	Balochistan	Khuzdar	Food Packs (HH)	1000	UAE Red Crescent
			Tents (No.)	250	
		Jhal Magsi	Medical Support (Patients)	967	PRCS
		Jaffarabad	Medical Support (Patients)	1179	
		Quetta	Food Packs (HH)	2146	WFP

(b) **Cumulative Relief by Humanitarian Agencies**

S #	Relief Items	Punjab	Sindh	KP	BLN	AF	Total	Mjr cont
1	Food Packs (No.)	1,602	501	1,400	26,341	22,636	52,480	Nestle Pk, WHO, KORT Relief, PRCS, Penny Appeal, Helping Hands (HHRD), IRC, IRP, Muslim Hands, Muslim Aid, UAE Red Crescent, Armed Forces
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.)	-	-	-	1,338	1,110	2,448	
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	5,647	-	7,357	
10	Medical Support (Persons)	871	2,482	989	10,603	14,080	29,025	
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	131	4,206	-	5,518	
15	Cash (Beneficiaries)	2,000	-	-	8,840	-	10,840	

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	1175.15	2.976	65.85	4.38 69.54%
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 21st August 2022.10. Flood Alert / River Flows.

- River Indus at Taunsa, Guddu & Sukkur is in medium flood level.
- River Indus at Tarbela, Kalabagh, Chashma, Kotri and River Kabul at Nowshera are in low flood level.
- Moderate to heavy flash flooding is expected in the Rivers/Nullahs of Eastern Balochistan during next 24 hours.
- Very high to exceptionally high level flooding is likely in the Hill Torrents of DG Khan Division during next 24 hours and from 23rd to 26th August, 2022.
- Flows from Hill Torrents of DG Khan Division may rise Taunsa flows up to high to very high flood level during next 24 hours and also from 23rd to 26th August, 2022.

Structures	Designed Capacity	Historic Peak Floods experienced to-date*		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification	
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	121,000	114,000	257,000	252,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	156,000	149,000	259,000	254,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	157,000	140,000	305,000	287,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	163,000	141,000	490,000	490,000	Med. Flood (S)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	128,000	97,000	412,000	412,000	Med. Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	85,000	34,000	378,000	378,000	Med. Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	36,000	NIL	235,000	235,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000								200,000
• Nowshera		450,000	29-07-2010		26,000		80,000	Med. Flood (R)	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	33,000	46,000	9,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	8,000	7,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	48,000	13,000	91,000	67,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	21,000	13,000	92,000	85,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	6,000	76,000	60,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	8,000	85,000	74,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	13,000	NIL	91,000	85,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		22,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		20,000		16,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	2,000	32,000	5,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	NIL	24,000	14,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	19,000	7,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	4,000	3,000	Normal	175,000

Authority: FFC Daily Weather & Flood Situation Report dated 21st August 2022.

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	2.824 (11 th Aug)	1635.94	50,747	19,227
b.	Pong Dam River Beas	1390	4.991	2.581 (11 th Aug)	1356.70	62,693	9,009
c.	Thein Dam River Ravi	1732	1.900	1.370 (11 th Aug)	1704.44 (11 th Aug)	Not Available	Not Available

Authority: Ministry of Water Resources, Office of PCIW report of 18th August 2022.

12. **Summary Pre- Monsoon and Monsoon Spells Till 20th Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	125.3	329.5	162.97
AJ&K	347	348.2	0.35
Balochistan	57.5	264.8	360.52
Gilgit Baltistan	34.8	62.9	80.75
Khyber Pakhtunkhwa	220.3	283	28.46
Punjab	202.7	384.4	89.64
Sindh	115.6	552.3	377.77

13. **Rainfall Last 24 Hours**

Stations	Rainfall (mm)
Sindh	
Mohenjodaro	125
Khairpur	79
Jacobabad	48
Larkana	43
Rohri	24
Sukkur	22
Chhor	3
Karachi (AP)	1
Padidan	Trace
Kashmir	
Dhulli	91
Bandi Abbaspur	76
Rawalakot	21
Hajira	20
Garhidupatta	16
Chakothi	14
Haraman	6
Muzaffarabad	(City 01 & AP Trace)
Khyber-Pakhtunkhwa	
Kakul	68
Mohmand	(Mamad Gut 52 & Ghalanai 15)
Dir	(Lower 49 & Upper 18)
Mohmand Dam	34
Pashat-Bajaur	29
Landi Kotal	26
Balakot	25
Saidu Sharif	17
Mirkhani	16
Kalam & Malam Jabba	13

Chitral	12
Parachinar	11
Pattan & Buner	7
D.I.Khan	City 04 & AP Trace
Peshawar & Mardan	2
Punjab	
Murree	64
Attock	56
D G Khan	(Fort Munro 51, City 21, Vehova 13 & Zain Sanghar Nullah 11)
Lahore	(Lakshmi Chowk 42, City 38, Johar Town 21, Gulshan-e-Ravi 20, Iqbal Town 16, Mughalpura 14,
Rajanpur	(Bhandu Wala 22)
R Y Khan	17
Khanpur	13
Gujranwala	6
Bhakkar, Layyah & Multan (AP)	Trace
Balochistan	
Lasbella	41
Kalat	40
Barkhan	30
Zhob	25
Quetta	(City 18 & Samungli 16)
Dalbandin & Ziarat	14
Chaman & Sibbi	10
Muslim Bagh	8
Pishin	Trace
Gilgit-Baltistan	
Astore	7
Bagrote	5
Babusar	4
Gupis & Hunza	3
Skardu	1
Chillas & Gilgit	Trace

Authority: PMD Daily Weather & Flood Situation Report dated 21st August 2022.

13. **Weather Forecast for next 24 hours by PMD.** Scattered to Widespread thunderstorm/rain with HEAVY FALLS at isolated places and VERY HEAVY FALLS at one or two places is expected over CENTRAL & UPPER SINDH, EASTERN BALOCHISTAN along with DG KHAN & DI Khan Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the Major Rivers along with Islamabad and Peshawar, Kohat, Bannu, Rawalpindi, Sargodha, Gujranwala, Lahore & Bahawalpur Divisions. Isolated thunderstorm/rain of light to moderate intensity is expected over rest of the country.

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

- a. Met Office informed that the monsoon low-pressure area persists over eastern Sindh and adjoining west Rajasthan(India).Under the influence of this weather system:
 - Widespread Rain-thunderstorms with scattered heavy /very heavy falls (extremely heavy at times) & accompanied with occasional strong winds likely to occur in Shaheed Benazirabad, Noshero Feroz, Khairpur, Sukkur, Larkana, Ghotki, Kashmore, Shikarpur,

Jacobabad, Dadu, Jamshoro, Kambar Shahdadkot , Tharparker, Umerkot, Mirpurkhas, Badin, Tando Muhammad khan, Tando Allayar, Hyderabad, Matiari, Thatta, Sujawal, Sanghar distts & Karachi division till **19 August**.

- Widespread Rain-wind/thunderstorms with scattered heavy /very heavy falls (extremely heavy at times) also expected in Lasbella, Khuzdar, Jhal Magsi, Jahfarabad, Nasirabad, Kohlu, Zhob, Pishin, Qilla Saifullah, Barkhan, Musakhel, Chaman, Loralai, Ziarat, Quetta, Mastung, Kalat, Panjgur, Kharan, Nushki, Awaran and Turbat **from today to 21 August**.
- The continuing wet spell over northeastern & southern districts of Balochistan to become intense during **18-20 August** which may trigger flash flooding in Dadu, Jamshoro, Kambar Shahdadkot districts & downstream.

b. **Impacts:**

- Heavy falls may create water-logging/urban flooding in low lying areas of Karachi, Hyderabad, Badin, Thatta, Sujawal, Umarkot, Mirpurkhas, Sanghar, Tando Muhammad khan, Tando Allayar, Dadu, Jamshoro, Noshero Feroz, Shaheed Benazirabad, Kambar Shahdadkot, Larkana & Sukkur districts today & tomorrow.
- Heavy falls may trigger flash flooding/hill torrents in local nullahs of Zhob, Pishin, Chaman, Qilla Saifulla, Loralai, Jhal Magsi, Jafarabad, Nasirabad, Ziarat, Pishin, Khuzdar, Musakhel, Lasbella, Kalat, Quetta, Mastung and Ziarat during the forecast period.
- Persistent heavy rains over Khuzdar, Lasbella and Hub distts of Balochistan & over Kirthar Range may create extra pressure on Hub dam, Thaddo dam & downstream nullahs.



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