



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



Dated: 19th August 2022

Subject: **NDMA Monsoon 2022 Daily Situation Report No 067**

NDMA Monsoon 2022 Daily Situation Report No 067, covering period from 1300 hours on 18th August 2022 to 1400 hours 19th August 2022 is enclosed for information / necessary action, please.

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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
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 Joint Crisis Management Cell, Joint Staff Headquarters, Rawalpindi
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ID: APS to Member (Ops), NDMA
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 Director (Media & IT), NDM
 APS to Chairman, NDM

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

Province /Region	Deaths				Injured				Remarks
	M	F	C	T	M	F	C	T	
AJ&K	NTR								
Balochistan	2	0	3	5	0	0	0	0	Due to Roof Collapse • 3x Children in Barkhan • 2x males in Washuk
GB	NTR								
ICT	NTR								
KP	0	1	1	2	2	1	5	8	Due to Roof Collapse <u>Deaths</u> • 1x child in DI Khan • 1x female in Khyber <u>Injures</u> • 2x males in Swat, 1x female in 5x Children DI Khan.
Punjab	0	0	0	0	3	6	1	10	Due to Roof Collapse • 1x male, 2x females and 1x child in Bhakar • 2x females in Lodhran • 1x male and 2x female in Layyah • 1x male in Multan
Sindh	3	2	5	10	0	0	0	0	Due to Roof Collapse • 1x male and 01x female in Sukkar • 1x female and 2x children in Khairpur • 1x child in Sanghar • 1x child in Jacobabad • 2x males in Umerkot. • 1x child died due to electrocution in Karachi.
Total	5	3	9	17	5	7	6	18	

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

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	22	12	0	34	13	6	0	19
Balochistan	98	48	61	207	49	12	20	81
GB	2	4	3	9	1	0	3	4
ICT	1	0	0	1	0	0	0	0
KP	34	26	78	138	46	58	65	169
Punjab	65	40	39	144	136	100	64	300
Sindh	63	21	75	159	309	129	135	573
Total	285	151	256	692	554	305	287	1146

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	0	0	0	0	0
Balochistan	0	0	0	275	150	425	392623
GB	0	0	0	0	0	0	0
ICT	0	0	0	0	0	0	0
KP	0	0	0	9	3	12	0
Punjab	0	0	0	5	0	5	0
Sindh	0	0	0	13017	1334	14351	7
TOTAL	0	0	0	13301	1487	14788	392630

*Data reconciled by PDMA.

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	10	137	242	379	746
Balochistan	690	18	0	17060	6057	23117	500000
GB	2	52	0	200	303	503	0
ICT	0	0	0	0	0	0	0
KP	6.5	7	0	4005	1118	5123	337
Punjab	33	7	1	6402	5978	12380	13
Sindh	2135.4	45	32	40910	6489	47399	2007
TOTAL	2866.9	129	43	68714	20187	88901	503,103

3. **Road Blocked Last 24 Hours**

Province/ Rgn Wise	No of Road Blkd	Details of Road Network	Cause of Blockage	Restoration Status	Machinery/ Manpower Deployed
AJ&K	NTR				
Balochistan	4	N-25 Qta- Karachi	Lunda Bridge washed away	In progress	Yes
		M8	Landslide	In progress	
		N-50 Zhob-DI Khan	Dibrese		
		Barkhan- DG Khan	Landslide		
GB	4	Hisper Valley Road	Landslide	In progress	Yes
		Main Ishkoman Road	Debris flow	In progress	
		Gilgit - Shandoor	Flash Flood	In progress	
		Nalter Raod	Flash Flood	In progress	
ICT	NTR				
KP	3	Drazanda- Zhob	Flash Flood	In progress	Yes
		Kotian Pattan Kalan			
		Daraban – Chodwan			
Punjab	NTR				
Sindh	NTR				

4. **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	2,964
Punjab	3	119,367	3009	4,696
Sindh	17	1,053,812	NR	365
Total	103	1,087,654	10,464	15,205

5. Relief Provided by NDMA

S No	Province	Tent	Tarpaulin	Mosquito Nets	Blanket	Hygiene Kits	Kitchen Set	Food Packs	First Aid Kit	Generator	Chemical Spray	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

6. Relief Provided by PDMA

Item	Tents	Blankets/ Quilt/ Sleeping Baas 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	35	0	0	9	35	0	0	11	0	0	
Bln	24265	10830	14080	14210	5250	8350	31050	111	9950	34112	0	8020	6670	240	1650	167	100	6	26
GB	661	347	0	0	550	0	0	0	581	0	0	137	0	0	0	302	0	0	
KP	1447	503	653	497	722	125	0	0	818	0	119	885	0	645	0	403	0	0	
Punjab	3300	0	200	0	666	0	5	0	40000	0	0	0	0	0	0	0	0	0	
Sindh	34675	0	91475	5410	1950	7080	39	0	110	11900	45	0	3610	0	0	100	3620	20	135
Total	56814	11464	97658	16778	8544	15555	31103	105	9810	84596	45	7739	10311	195	1595	217	3936	26	160

7. Relief Provided by Humanitarian Agencies

(a) Last 24 hours

S #	Province	District	Relief Items	Quantity	Organization
1	Balochistan	Noshki and Killa Saifullah	Tents (No.)	75	Qatar Charity
			Food Packs (No.)	1275	
		Quetta and Noshki	Cash @ 20,000 (Pkr)/ beneficiaries	890	Islamic Relief Pakistan
			NFIs (Kitchen Sets, Family tents and food Packs)	890	
		Jhal Magsi	Multi-purpose Cash grants @12,000 PKR / beneficiaries	1,200	Concern Worldwide
2	Punjab	Rajanpur	Multi-purpose Cash grants @12,000 PKR / beneficiaries	2,000	

(b) Cumulative Relief by Humanitarian Agencies

S#	Relief Items	Punjab	Sindh	KP	Bltn	Total	Maj cntbr
1	Food Packs (No.)	1,427	501	700	21,245	23,873	Nestle Pk, WHO, KORT Relief, PRCS, Penny Appeal, Helping Hands (HHRD), IRC, IRP, Muslim Hands, Muslim Aid, UAE Red Crescent
2	Cooked Food (No.)	17,879	9,580	2,250	3,710	33,419	
4	Drinking Water (Litre)	17,741	1,545	300	71,390	90,976	
5	Tents (No.)	-	-	-	1,088	1,088	
6	Shelter Kits (No.)	-	-	-	1,800	1800	
7	Dewatering Pumps (No.)	3	5	-	-	8	
8	Water Filtration / Purification Plant (No.)	-	-	2	6	8	
9	Hygiene Kits (No.)	160	650	900	5,427	7,137	
10	Medical Support (Persons)	871	2,482	-	7,160	10,513	
11	Medicine (No.)	-	-	-	134,691	134,691	
12	Aqua Tabs (No.)	-	-	-	200,000	200,000	
13	Jerry Cans (No.)	-	100	1,800	-	1900	
14	NFIs (No.)	529	652	131	4,206	5,518	
15	Cash (Beneficiaries)	2,000	-	-	2,840	4,840	

- UAE Red Crescent – 1000 Food Packs, 250 Tents for Lasbela, Kharan & Washuk (to be dispatched on 18th Aug 2022)
- WHH – food packages (1100 HH), shelter kit 270 HH, water filtration 1100 (300 HH), 270 Agri package (seeds, fertilizer, basic eqpt)
- All Pak Chinese Enterprise Association - 10 M PKR donation
- US Govt announcing 1,00,000 USD to GoB
- Save the Children - Shelters /Hygiene kits/ food packs(1000 HH each), Med sp (35000 patients)

8. **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	1549.20	5.781	.8	0.046
Mangla	1,242.00	7.356	1174.75	2.905	67.25	4.451
Chashma	649.00	0.278	640	0.024	9	0.254

MAF - Million Acre Feet

Authority: FFC's Daily Weather & Flood Situation Report dated 19th August 2022.9. **Flood Alert / River Flows.**

- Rivers Indus at Taunsa (falling) is in medium flood level.
- River Indus at Tarbela, Kalabagh, Chashma, Guddu & Sukkur and River Kabul at Nowshera are in low flood level.
- Moderate flash flooding is expected in the Rivers/Nullahs of eastern Balochistan during next 48 hours.
- Medium to high level flooding is expected in Rivers Kabul at Nowshera & Tributaries of Rivers Kabul & Indus from 20th to 22nd August 2022.
- Low to medium level flooding is likely in the hill torrents of DG Khan Division during next 48 hours.
- River Indus at Guddu may attain high flood level on 21st and at Sukkur on 22nd 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*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	114,000	130,000	301,000	256,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	176,000	168,000	281,000	277,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	186,000	170,000	388,000	373,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	169,000	140,000	461,000	461,000	Med Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	121,000	90,000	346,000	346,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	82,000	32,000	344,000	344,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	38,000	2,000	199,000	199,000	Normal	650,000
River Kabul									
• Warsak	540,000				21,000		39,000	Normal	200,000
• Nowshera		450,000	29-07-2010		27,000		79,000	Low Flood (S)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		9,000		17,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		7,000		15,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		6,000		15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	23,000	34,000	28,000	7,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	12,000	6,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	42,000	6,000	72,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	9,000	2,000	65,000	59,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	8,000	NIL	76,000	60,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	25,000	12,000	130,000	122,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	NIL	96,000	90,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		4,000		11,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		11,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	28,000	NIL	49,000	23,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	15,000	5,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	17,000	7,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	3,000	2,000	Normal	175,000

Authority: FFC Daily Weather & Flood Situation Report dated 19th August 2022.

10. **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.

11. **Summary Pre- Monsoon and Monsoon Spells Till 18th Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	57.1	111.6	95.45
AJ&K	158.2	177.8	12.39
Balochistan	26.2	71.5	172.90
Gilgit Baltistan	20.4	40.5	98.53
Khyber Pakhtunkhwa	105.2	129.9	23.48
Punjab	90.1	147	63.15
Sindh	50.8	189.3	272.64

12. **Rainfall Last 24 Hours**

City/Observatory	Rainfall (mm)
Punjab	
Rahim Yar Khan	39
DG Khan	23
Khanpur	12
Bahawalpur & Layyah	10 each
Kallar	08
Bhakkar & Murree	07 each
Kot Addu	05
Sindh	
Padidan	355
Sakrand	138
Larkana	129
Moin-Jo-Daro	124
Khair Pur	121
Shaheed Benazirabad	114
Rohri	90
Jacobabad	81
Sukkur	75
Dadu	69
Tando Jam	61
Mirpur Khas	60
Chhor	44
Hyderabad	21
Mithi	14
Badin & Karachi	10 each
Balochistan	
Khuzdar	37
Kalat	30
Quetta	23
Sibbi	09
Barkhan	07

City/Observatory	Rainfall (mm)
Ziarat	05
Khyber Pakhtunkhwa	
D.I.Khan	29
Gilgit-Baltistan	
Hunza	25
Bagrote	05
AJ&K	
Dhulli	07

Authority: PMD Daily Weather & Flood Situation Report dated 19th August 2022.

13. **Weather Forecast for next 24 hours by PMD.** Scattered to widespread thunderstorm/rain with heavy falls at scattered places and very heavy falls at isolated places is expected over central & upper Sindh and eastern Balochistan. Scattered thunderstorm/rain of Light to moderate intensity with isolated heavy falls is expected over Bahawalpur, D.G. Khan, Multan, Sargodha & D.I. Khan Divisions. Isolated thunderstorm/rain of 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, Umarmkot, 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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