



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



Dated: 20<sup>th</sup> August 2022

Subject: **NDMA Monsoon 2022 Daily Situation Report No 068**

NDMA Monsoon 2022 Daily Situation Report No 068, covering period from 1300 hours on 19<sup>th</sup> August 2022 to 1400 hours 20<sup>th</sup> August 2022 is enclosed for information / necessary action, please.

**(Muhammad Ali Khan)**  
**Director (Response)**  
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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  
 Director (Ops), Air Headquarters, Islamabad  
 Deputy Commissioner, Islamabad  
 Principal Information Officer, Press Information Department, Islamabad

ID: APS to Member (Ops), NDMA  
 APS to Member (A&F), NDMA  
 APS to Member (DRR), NDMA  
 Director (Logistics), NDMA  
 Director (R&R), NDMA  
 Director (Implementation), NDMA  
 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	0	0	0	0	0	0	0	0	NTR
Balochistan	0	0	0	0	0	0	0	0	
GB	0	0	0	0	0	0	0	0	
ICT	0	0	0	0	0	0	0	0	
KP	9	2	0	11	6	2	9	17	<u>Deaths</u> <ul style="list-style-type: none"> <li>• Due to roof collapse 4x males in DI Khan</li> <li>• Due to flash flood 4x males in and 1x female in Lower Chitral</li> </ul> <u>Injured</u> <ul style="list-style-type: none"> <li>• <u>Due to Roof collapse</u> <ul style="list-style-type: none"> <li>• 6x males,2x females, 2x children in DI Khan</li> <li>• 4x children in South Waziristan</li> <li>• 3x children in Khyber</li> </ul> </li> </ul>
Punjab	7	0	0	7	0	0	0	0	Data updated by PDMA
Sindh	8	3	7	18	92	27	9	128	Data updated by PDMA
<b>Total</b>	<b>24</b>	<b>5</b>	<b>7</b>	<b>36</b>	<b>98</b>	<b>29</b>	<b>18</b>	<b>145</b>	

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	43	28	78	149	52	60	74	186
Punjab	72	40	39	151	136	100	64	300
Sindh	71	24	82	177	401	156	144	701
<b>Total</b>	<b>309</b>	<b>156</b>	<b>263</b>	<b>728</b>	<b>652</b>	<b>334</b>	<b>305</b>	<b>1291</b>

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	7	0	0	0	0
Balochistan	0	0	0	0	0	0	0
GB	0	0	0	0	0	0	0
ICT	0	0	0	0	0	0	0
KP	0	0	0	2529	4720	7249	276
Punjab	0	0	0	4811	3612	8423	0
Sindh	0	0	0	9670	2528	12198	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>17010</b>	<b>10860</b>	<b>27870</b>	<b>276</b>

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	17	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	6534	5838	12372	613
Punjab	33	7	1	11213	9590	20803	13
Sindh	2135.4	45	32	50580	9017	59597	2007
<b>TOTAL</b>	<b>2866.9</b>	<b>129</b>	<b>50</b>	<b>85724</b>	<b>31047</b>	<b>116771</b>	<b>503,379</b>

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	Traffic plying through diversion	
		N-50 Zhob-DI Khan	Land slide		
		Barkhan- DG Khan	Landslide	In progress	
GB	4	Hisper Valley Road	Landslide	In progress	Yes
		Shimshal Road	Debris flow	In progress	
		Gilgit - Shandoor	Flash Flood	Open for traffic	
		Nalter Raod	Flash Flood	In progress	
ICT	NTR				
KP	6	Dir- Chitral	Flash Flood	In progress	Yes
		N- 50 at Daraban		Open for traffic	
		N55		In progress	
		Parova raod			
		Garra Rehman			
		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	1,329268	NR	4863
<b>Total</b>	<b>103</b>	<b>1,867,995</b>	<b>1,868,098</b>	<b>19,703</b>

5. **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	-
<b>TOTAL</b>		<b>15315</b>	<b>23265</b>	<b>24350</b>	<b>17650</b>	<b>5650</b>	<b>6350</b>	<b>19400</b>	<b>7700</b>	<b>105</b>	<b>160</b>	<b>12000</b>	<b>1000</b>	<b>196</b>	<b>350</b>

6. **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	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	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	40175	0	105075	5410	1950	7080	39	0	110	11900	45	0	3610	0	0	150	3620	26	150
<b>Total</b>	<b>69964</b>	<b>11714</b>	<b>120008</b>	<b>20278</b>	<b>9194</b>	<b>15555</b>	<b>31103</b>	<b>111</b>	<b>10060</b>	<b>87446</b>	<b>45</b>	<b>8139</b>	<b>11311</b>	<b>275</b>	<b>2295</b>	<b>317</b>	<b>4436</b>	<b>32</b>	<b>176</b>

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

S	Province	District	Relief Items	Qty	Organization
1	Balochistan	Killa Abdullah	Medical Support (Patients)	942	International Rescue Committee
		Noshki	Medical Support (Patients)	355	
		Quetta	Food Packs (No.)	1,850	WFP
2	KP	Laki Marwat	Food Packs (No.)	700	Helping Hands for Relief and Development
3	Punjab	DG Khan	Cooked Food (No.)	175	

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

S#	Relief Items	Punjab	Sindh	KP	Bltn	Total	AF	Mjr cont
1	Food Packs (No.)	1,602	501	1400	23,195	26,698	22,636	Nestle Pk, WHO, KORT Relief, PRCS, Penny Appeal, Helping Hands (HHRD), IRC, IRP, Muslim Hands, Muslim Aid, UAE Red Crescent, Armed
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	90,976	19,120	
5	Tents (No.)	-	-	-	1,088	1,088	1,110	
6	Shelter Kits (No.)	-	-	-	1,800	1,800	-	
7	Dewatering Pumps (No.)	3	5	-	-	8	-	
8	Water Filtration / Purification Plant(No.)	-	-	2	6	8	2	
9	Hygiene Kits (No.)	160	650	900	5,647	7,357	-	
10	Medical Support (Persons)	871	2,482	-	8,457	11,810	14,080	
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	-	

- Canadian Govt- Food Packs 22,100 HH (WFP) & WASH Kits/ Cash grant for 9,800 beneficiaries (PRCS)
- UAE Red Crescent – 1000 Food Packs, 250 Tents for Khuzdar (dispatched yesterday)
- 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 & another 1,000,000 USD for GoP
- 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	1550	5.827	Nil	Nil
Mangla	1,242.00	7.356	1175.40	2.938	66.6	4.418
Chashma	649.00	0.278	640.9	0.38	8.1	0.24

MAF - Million Acre Feet

**Authority:** FFC's Daily Weather & Flood Situation Report dated 20<sup>th</sup> August 2022.

9. **Weekly Significant Weather Outlook for Rivers Catchments (21 - 27 August, 2022).** A fresh Strong Monsoon activity is likely to start over Sindh, Balochistan and Southern Punjab along with DI Khan Division from 23 rd to 26th August, 2022. HEAVY TO VERY HEAVY Rainfall activity is likely over the upper catchments of Rivers KABUL & INDUS along with their TRIBUTARIES from 20th to 22nd August 2022. **Authority:** FFD Bulletin-C dated 20<sup>th</sup> August 2022.

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

- River Indus at Taunsa, Guddu & Sukkur is in medium flood level.
- River Indus at Kalabagh, Chashma, Kotri and River Kabul at Nowshera are in low flood level.
- Moderate flash flooding is expected in the Rivers/Nullahs of Eastern Balochistan during next 24 hours and heavy after 24 hours.
- Medium to high level flooding is expected in Rivers Kabul at Nowshera & Tributaries of Rivers Kabul & Indus from 20th to 22 nd August 2022.
- Low to medium level flooding is likely in the Hill Torrents of DG Khan Division during next 24 hours, while high level and above flooding after 24 hours.
- Flows from Hill Torrents of DG Khan Division may rise Taunsa flows up to high to very high flood level after 24 hours.
- River Indus may attain high flood level at Guddu on 21st and at Sukkur on 22<sup>nd</sup> August, 2022.

Structures	Designated 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	111,000	144,000	250,000	219,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	177,000	169,000	258,000	254,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	184,000	170,000	375,000	359,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	169,000	141,000	435,000	435,000	Med Flood (S)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	121,000	90,000	362,000	362,000	Med Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	81,000	32,000	351,000	351,000	Med Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	36,000	1,000	219,000	219,000	Low Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				21,000		41,000	Low Flood (R)	200,000
• Nowshera		450,000	29-07-2010		28,000		61,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		12,000		14,000	Normal	150,000
• Munda( H. Works)	150,000	355,000	29-07-2010		7,000		12,000	Normal	150,000
• Charsadda Road		360,000	30-07-2010		5,000		10,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	23,000	34,000	26,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	12,000	7,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	49,000	13,000	76,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	13,000	6,000	65,000	59,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	15,000	NIL	53,000	37,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	25,000	12,000	121,000	113,000	Normal	450,000

Structures	Designed Capacity	Historic Peak Floods experienced to-date*	Last Year Flow	Today Actual Flow with Flood Classification	Comparative Danger (VHF) Classification	Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
						Discharge	Date	Inflow	
1	2	3	4	5	6	7	8	9	10
• Panjnad	865,000	802,516	17-8-1973	13,000	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		20,000		10,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	24,000	NIL	35,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	20,000	8,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	2,000	18,000	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 20<sup>th</sup> 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 <sup>th</sup> Aug)	1635.94	50,747	19,227
b.	Pong Dam River Beas	1390	4.991	2.581 (11 <sup>th</sup> Aug)	1356.70	62,693	9,009
c.	Thein Dam River Ravi	1732	1.900	1.370 (11 <sup>th</sup> Aug)	1704.44 (11 <sup>th</sup> Aug)	Not Available	Not Available

**Authority:** Ministry of Water Resources, Office of PCIW report of 18<sup>th</sup> August 2022.

12. **Summary Pre- Monsoon and Monsoon Spells Till 20<sup>th</sup> Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	123.7	316	155.46
AJ&K	342.5	339.8	-0.79
Balochistan	56.9	244	328.82
Gilgit Baltistan	34.4	60.5	75.87
Khyber Pakhtunkhwa	217.4	271.2	24.75
Punjab	199.5	378.6	89.77
Sindh	113.7	539	374.05

13. **Rainfall Last 24 Hours**

City/Observatory	Rainfall (mm)
<b>Sindh</b>	
Padidan	240
Mohenjo Daro	86
Larkana	81
Rohri	63
Sukkur	49
Khairpur	40
Dadu	35
Sakrand	20

City/Observatory	Rainfall (mm)
Hyderabad	6
Mir Pur Khas	4
Karachi	(Gulshan-E-Hadeed 03, Faisal Base, North Karachi, City & A/P Trace)
Thatta	Trace
<b>Punjab</b>	
DG. Khan	(Fort Munro 21, Bhandu wala 13, Zain Sanghar Nullah 01)
Chakwal	3
Khanpur	2
Bahawalpur A/P, Multan A/P, R.Y.Khan	Trace
<b>Khyber-Pakhtunkhwa</b>	
Mirkhani	20
Drosh	2
Chitral	Trace
<b>Balochistan</b>	
Dalbandin, Lasbella	15
Sibbi	7
Barkhan, Kohlu	6
Chaman	5
Khuzdar, Quetta	4
Kalat, Ziarat	3
Loralai	2
Muslim Bagh	Trace
<b>Kashmir</b>	
Kotli	6
Dhulli	1
Barnala	Trace
<b>Gilgit-Baltistan</b>	
Gupis	1

**Authority:** PMD Daily Weather & Flood Situation Report dated 20<sup>th</sup> 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, Islamabad along with upper catchments of Rivers Kabul & Indus and Peshawar, Rawalpindi, Bahawalpur, Multan & DG Khan Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of Rivers Jhelum, Chenab & Ravi along with Kohat, Bannu, DI Khan, Gujranwala & Sargodha Divisions. Isolated thunderstorm/rain of light to moderate intensity is expected over rest of the country.
14. **Weather Alert / Advisory / Press Release**
- 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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