



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

Dated: 11<sup>th</sup> August 2022Subject: **NDMA Monsoon 2022 Daily Situation Report No 059**

NDMA Monsoon 2022 Daily Situation Report No 059, covering period from 1300 hours on 10<sup>th</sup> August 2022 to 1300 hours 11<sup>th</sup> 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  
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 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  
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 Director (Logistics), NDMA  
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 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		1*		1					* Roof collapse
Balochistan									NTR
GB									
ICT									
KP									
Punjab			1**	1					**Drown in stagnant rain water in Jhelum
Sindh									NTR
<b>Total</b>		<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

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

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	16	12	1	29	11	6	0	17
Balochistan	77	44	55	176	48	11	16	75
GB	1	4	3	8	0	0	3	3
ICT	1	0	0	1	0	0	0	0
KP	30	22	64	116	34	43	44	121
Punjab	63	21	36	120	158	104	39	301
Sindh	54	11	65	130	221	109	92	422
<b>Total</b>	<b>242</b>	<b>114</b>	<b>224</b>	<b>580</b>	<b>472</b>	<b>273</b>	<b>194</b>	<b>939</b>

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K			1	10	102	112	1
Balochistan							
GB							
ICT							
Khyber Pakhtunkhwa				4	1	5	
Punjab							
Sindh				21	14	35	
<b>TOTAL</b>			<b>1</b>	<b>35</b>	<b>117</b>	<b>152*</b>	<b>1</b>

\* Data is reconciled by PDMA's

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	10	120	219	339	746
Balochistan	670	16	0	13385	4702	18087	26,929*
GB	2	51	0	162	283	445	0
ICT	0	0	0	0	0	0	0
Khyber Pakhtunkhwa	6.5	7	0	3873	1090	4963	322
Punjab	33	7	1	92	6	98	13
Sindh	2135.4	45	32	21886	4327	26,213	972
<b>TOTAL</b>	<b>2813.9</b>	<b>119</b>	<b>43</b>	<b>39519</b>	<b>10627</b>	<b>50,145</b>	<b>28,982</b>

\*The figures were recalculated by PDMA, Balochistan.

3. **Road Blocked Last 24 Hours**

Province/ Rgn Wise	No of Road Blocked	Details of Road Network	Cause of Blockage	Restoration Status	Machinery/ Manpower deployed
AJ&K	-	Mzd-Abbottabad	Landslide	Restored	
Balochistan		NTR			
GB	1	Hisper valley road	Landslide	In progress	Yes
ICT		NTR			
KP					
Punjab					
Sindh					

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	28	435,738	NR	8,221
<b>Total</b>	<b>114</b>	<b>974,465</b>	<b>10,464</b>	<b>23,061</b>

5. **Relief Provided by NDMA**

Item	Tents	Blankets/ Quilt	Mosquito Net	Tarpaulin	Food Packs	Kitchen Set	First aid kits	Hygiene kit	Chemical Spray Machine	De-watering pumps	Generator
AJ&K	450	750		300		200	500				
Bln	7650	3500	7800	6300	6500	3200	5000	3000	140	55	50
GB	550	500	0	700	0	400	700	0	0	0	0
ICT	15	0	0	15	0	0	0	0	0	2	0
KP	700	900	700	700	500	700	500	1000	0	0	0
Punjab	500	1000	500	500	400	500	500	500	0	0	0
Sindh	1750	2000	2400	1400	0		500	0	20	60	15
<b>Total</b>	<b>11615</b>	<b>8650</b>	<b>11400</b>	<b>9915</b>	<b>7400</b>	<b>5000</b>	<b>7700</b>	<b>4500</b>	<b>160</b>	<b>117</b>	<b>65</b>

6. **Relief Provided by PDMA**

Item	Tents	Blankets/ Quilt	Net Mosquito	Tarpaulin	Mats	Jerry Cane	Water tank/ Bottle/ filter	Water Cooler	Food Packs	Cooked Food	Gas Cylinders	Kitchen Set	First aid kits	Hygiene kit	Life Saving Jackets	Beds/ Chapai and accessories	Boats	De-watering pumps
AJ&K	116	34	0	161	56	0	9	0	35	0	0	9	35	0	0	0	0	0
Bln	19040+52	9580	11930	11660	3400	8350	90	8900	28937	0	6920	4870	100	250	167	100	6	16
GB	292	3316	50	2947	2140	0	6	0	520	0	30	882	0	212	0	0	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	19,680	0	45,275	1360	500	5580	39	110	8650	45	0	1610	0	500	50	2320	20	124
<b>Total</b>	<b>41594</b>	<b>12550</b>	<b>55358</b>	<b>14676</b>	<b>7102</b>	<b>13930</b>	<b>149</b>	<b>100</b>	<b>78110</b>	<b>45</b>	<b>5875</b>	<b>6424</b>	<b>135</b>	<b>1373</b>	<b>217</b>	<b>1320</b>	<b>26</b>	<b>120</b>

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

Sr.	Province	District	Relief Items	Qty	Organization
1	Balochistan	Lasbela	NFIs (No.)	200	WHH
		Jhal Magsi	NFIs (No.)	200	
		Noshki	Food Packs (No.)	860	Helpline
2	KP	Charsadda	NFIs (HH)	55	UN High Commission Refuges
		Peshawar	NFIs (HH)	76	
3	Punjab	Rajanpur	NFIs (HH)	100	WHH
4	Sindh	Hyderabad	NFIs (No.)	200	WHH
		Dadu	NFIs (No.)	200	

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

S#	Relief Items	Punjab	Sindh	KP	BLN	Total
1	Food Packs (No)	970	501	700	12,990	15,161
2	Cooked Food (Nos.)	8,919	7,870	2,250	3,110	22,149
3	Meat Packs 5 kg (No.)	-	-	-	6,098	6,098
4	Dates (Carton)	-	-	-	5,000	5,000
5	Drinking Water (Litre)	4,291	1,210	300	67,390	73,191
6	Tents (No)	-	-	-	858	858
7	Tarpuline (No)	-	23	-	-	23
8	Mosquito Nets (No)	-	2,660	-	1,500	4,160
9	Blanket (No)	-	-	-	1,200	1,200
10	Shelter Kits (No)	-	-	-	1,050	1,050
11	Dewatering Pumps (No)	3	5	-	-	8
12	Water Filtration / Purification Plant (No)	-	-	2	6	8
13	Delivery Kits (No)	-	-	-	14	14
14	IV Sets (No)	-	-	-	1,400	1,400
15	IV Drip Stand (No)	-	-	-	10	10
16	Hygiene Kits (No)	160	650	900	5,320	7,030
17	Medical Support (Persons)	186	2,482	-	7,160	9,828
18	Medicine (in Rs)				2.3 M	2.3 M
19	New Born Baby Kits (No)	-	-	465	-	465
20	Medicine (No)	-	-	-	134,691	134,691
21	Aqua Tabs (No)	-	-	-	200,000	200,000
22	Face Mask (No)	-	-	-	250,000	250,000
23	Hand Sanitizer (No)	-	-	-	2,000	2,000
24	Cash @ 8500 (Families)- IRP	-	-	-	750	750
25	Jerry Cans (No)	-	100	1800	-	1900
26	Hammers (No.)	-	34	-	-	34
27	Latrine Slabs (No.)	-	40	-	-	40
28	Shovels (No.)	-	78	-	-	78
29	NFIs (No.)	235	652	131	2,661	3,679
30	Milk Pack/ Juices (No.)	-	-	-	240	240
31	Emergency Latrine Kits (No.)	-	-	-	50	50
32	Cooked Meal & Drinking Water (No.)	3470	360	-	-	3,830

8. Dam/ Reservoir Levels

Reservoirs	Max Conservation Level & Storage		Today's Level Current Level & Storage		Remaining Level & Storage	
	Feet	(MAF)	Feet	(MAF)	Feet	(MAF)
Tarbela	1,550.00	5.827	1543.70	5.466	6.3	0.571
Mangla	1,242.00	7.356	1166.7	2.508	75.3	4.848
Chashma	649.00	0.278	645.70	0.145	3.3	0.133

MAF - Million Acre Feet

**Authority:** FFC's Daily Weather & Flood Situation Report dated 11<sup>th</sup> August 2022.

9. Flood Alert/River Flows.

- Medium to high level flooding is expected in River Chenab at Marala & Khanki during next 24-hours and at Qadirabad after 24-hours.
- Medium to high level flooding is also expected in the Nullahs of Rivers Ravi & Chenab during next 48-hours.
- Flash flooding is expected in the Rivers/Nullahs of Kohat, Bannu & D.I.Khan Divisions along with District Mianwali during 11th to 12th August, 2022.
- Urban flooding is expected in Sindh and flash flooding is expected in Rivers/ Nullahs of Balochistan & hill torrents of DG Khan Division from 11th to 14th 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	163,000	143,000	216,000	248,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	146,000	140,000	145,000	138,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	176,000	163,000	295,000	280,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	180,000	169,000	152,000	136,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	172,000	135,000	183,000	146,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	169,000	112,000	163,000	126,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	117,000	81,000	213,000	201,000	Low Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				25,000		29,000	Normal	200,000
• Nowshera		450,000	29-07-2010		33,000		46,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		10,000		12,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		8,000		9,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		8,000		10,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	13,000	34,000	7,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	16,000	7,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	60,000	26,000	88,000	62,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	32,000	24,000	66,000	59,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	27,000	7,000	56,000	37,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	31,000	15,000	41,000	34,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	31,000	15,000	56,000	44,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		13,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	9,000	39,000	20,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	25,000	8,000	22,000	8,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	12,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	6,000	5,000	Normal	175,000

**Authority:** FFC Daily Weather & Flood Situation Report dated 11<sup>th</sup> August 2022.

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

a. **Advance Flood Flows Information from India:** PCIW has shared advance flood flows information from office of Indian Commissioner for Indus Water that a flow of 80,950 Cusecs has been recorded in River Tawi at Jammu with a rising trend. Forecasted flows are 80000-170000 cusecs. Source: PCIW Flood Alert 2022 dated 11 Aug 2022.

b. **Dams Level:**

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	2.407 (4 Aug)	1631.07	49108	19340
b.	Pong Dam River Beas	1390	4.991	2.107 (4 Aug)	1350.36	27227	9010
c.	Thein Dam River Ravi	1732	1.900	1.197 (4 Aug)	1694.83 (4 Aug)	Not Available	Not Available

**Authority:** Ministry of Water Resources, Office of PCIW report of 11<sup>th</sup> August 2022.

11. **Summary Pre- and Monsoon Spells Till 10<sup>th</sup> Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	109.3	227	107.69
AJ&K	299.8	299.3	-0.17
Balochistan	52	183.4	252.69
Gilgit Baltistan	30.5	45.4	48.85
Khyber Pakhtunkhwa	189.3	210.1	10.99
Punjab	176.5	309.1	75.13
Sindh	99.2	294.3	196.67

12. **Rainfall Last 24 Hours**

Stations	Rainfall (mm)
<b>Sindh</b>	
Padidan	142
Hyderabad	(City 67, Airport 15)
Tando Jam	62
Karachi	Faisal Base 52, Qaidabad 45, MOS, Jinnah Terminal 36, DHA Phase II 34, Saadi Town 33, University road, Surjani Town 28, Kemari 26, Nazimabad 24, North Karachi 23, Gulshan e Hadid 19, Masroor Base 13
Badin	46
Mithi	28
Thatta	12
Jacobabad	10
Mirpurkhas	07
Chhor, Shaheed Benazirabad	02
Sakrand	01



<b>Punjab</b>	
Murree	03
Khanpur	02
M.B.Din, Sialkot AP, Fort Munro	Trace
<b>Kashmir</b>	
Kotli, Rawalakot	01
<b>Balochistan</b>	
Samungli	Trace
<b>Gilgit-Baltistan</b>	
Skardu	Trace
<b>Khyber-Pakhtunkhwa</b>	
NIL	

**Authority:** PMD Daily Weather & Flood Situation Report dated 11<sup>th</sup> August 2022.

13. **Weather Forecast for next 24 – 48 hours by PMD.**

- Scattered to widespread thunderstorm/rain of moderate to heavy intensity with isolated very heavy falls is expected over Sindh, eastern Balochistan along with Kohat, Bannu, DI Khan & DG Khan Divisions.
- Scattered thunderstorm/rain is expected over the Upper catchments of all the Major Rivers along with Peshawar, Islamabad and Rawalpindi, Gujranwala, Multan & Sargodha Divisions. Isolated thunderstorm/rain is expected over the rest of country.
- INTENSE MONSOON ACTIVITY is likely continue over Sindh, Balochistan along with Kohat, Bannu, DI Khan, DGKhan & Multan Divisions from 12th to 14th August 2022.
- Scattered thunderstorm/rain of moderate intensity is expected over rest of the country from 12th to 14th August 2022.

14. **Weather Alert / Advisory / Press Release.** Pakistan Meteorological Department (PMD) has informed that strong monsoon currents are continuously penetrating the Country and likely to become stronger from 10 August (Wednesday), under the influence of this system, following is expected: -

- **Islamabad Capital Territory**
  - Rain-wind / thundershowers with isolated heavy falls expected in Islamabad with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in Islamabad with occasional gaps from 10-13 August (Wednesday to Saturday).
- **Balochistan**
  - Rain-wind / thundershowers with isolated heavy falls expected in Eastern Balochistan with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in parts of Balochistan with occasional gaps from 10-13 August (Wednesday to Saturday).
- **Khyber Pakhtunkhwa**
  - Rain-wind / thundershowers with isolated heavy falls expected in Upper Khyber Pakhtunkhwa with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in Khyber Pakhtunkhwa with occasional gaps from 10-13 August (Wednesday to Saturday)
- **Punjab**
  - Rain-wind / thundershowers with isolated heavy falls expected in Northeast Punjab with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in Punjab with occasional gaps from 10-13 August (Wednesday to Saturday)



- **Sindh**
  - Rain-wind / thundershowers with isolated heavy falls expected in Southeastern Sindh with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in Sindh with occasional gaps from 10-13 August (Wednesday to Saturday)
- **Gilgit Baltistan**
  - Rain-wind / thundershowers with scattered heavy falls expected in Gilgit Baltistan with occasional gaps from 10-13 August (Wednesday to Saturday)
- **Azad Jammu & Kashmir**
  - Rain-wind / thundershowers with isolated heavy falls expected in AJ&K with occasional gaps from 6-9 August (Saturday to Tuesday).
  - More rain-wind / thundershowers with scattered heavy falls expected in AJ&K with occasional gaps from 10-13 August (Wednesday to Saturday)



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