



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



Dated: **29<sup>th</sup> August 2022**

Subject: **NDMA Monsoon 2022 Daily Situation Report No 077**

NDMA Monsoon 2022 Daily Situation Report No 077, covering period from 1300 hours on 28<sup>th</sup> August 2022 to 1400 hours 29<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, CMU, MoFA, Islamabad  
 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  
 APS to COS, ERRA

1. Deaths/ Injureda. Last 24 Hours

Province /Region	Deaths				Injured				Remarks
	M	F	C	T	M	F	C	T	
AJ&K	-1			-1				0	<b>Data reconciliation</b> 1x Male reported dead on 27 <sup>th</sup> August has been subtracted.
Balochistan	2			2	2			2	<b>Deaths:</b> 2x Males in Mastung <b>Injured:</b> 2x Male in Noshki
GB	2	2	1	5	1			1	Details to follow
ICT				0				0	NTR
KP	13		3	16	7	8	16	31	<b>Deaths</b> <ul style="list-style-type: none"> <li>• <b>Due to Flash Flood</b> <ul style="list-style-type: none"> <li>• 2x Males in Lower Dir</li> <li>• 1x Male in Swat</li> </ul> </li> <li>• <b>Due to House Collapse</b> <ul style="list-style-type: none"> <li>• 4x Males &amp; 2 x Children in DI Khan</li> <li>• 4x Males in Batagram</li> <li>• 1x Male in Kohistan</li> <li>• 1x Male in Bajaur</li> <li>• 1x Child in Lakki Marwat</li> </ul> </li> </ul> <b>Injured Due to House Collapse</b> <ul style="list-style-type: none"> <li>• 3x Males in DI Khan</li> <li>• 1x Male in L-Kohistan</li> <li>• 1x Male in Lakki Marwat</li> <li>• 1x Male in Torghar</li> <li>• 1x Male in U-Kohistan</li> <li>• 5x Female &amp; 7x Child in S-Waziristan</li> <li>• 2x Female in Bajaur</li> <li>• 1x Female &amp; 3x Child in Khyber</li> <li>• 4x Child in Shangla</li> </ul> <b>Injured Due to Flood</b> <ul style="list-style-type: none"> <li>• 2x Child due to flood in L-Dir</li> </ul>
Punjab				0				0	<b>NTR</b>
Sindh	15	15	23	53	20	3	2	25	<b>Deaths</b> <ul style="list-style-type: none"> <li>• 14x Males, 15x Female, 21x Children in Larkana</li> <li>• 1x Male and 1x Child in Hyderabad</li> <li>• 1x Child in SBA</li> </ul>
<b>Total</b>	<b>31</b>	<b>17</b>	<b>27</b>	<b>75</b>	<b>30</b>	<b>11</b>	<b>18</b>	<b>59</b>	

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

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	27	14	0	41	15	6	0	21
Balochistan	116	55	73	244	59	14	37	110
GB	5	11	6	22	2	0	3	5
ICT	1	0	0	1	0	0	0	0
KP	114	36	108	258	125	82	131	338
Punjab	87	42	39	168	54	36	15	105
Sindh	151	69	160	402@	600	255	200	1055
<b>Total</b>	<b>501</b>	<b>227</b>	<b>386</b>	<b>1136@</b>	<b>855</b>	<b>393</b>	<b>386</b>	<b>1634</b>

@ Note: Segregated data of 22 x persons is to be confirmed by PDMA Sindh

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		0	
GB	14	5		10		10	
ICT				0		0	
KP				7245	7570	14815	7804
Punjab						0	
Sindh				34786	9088	43874	427
<b>TOTAL</b>	<b>14</b>	<b>5</b>	<b>0</b>	<b>42041</b>	<b>16658</b>	<b>58699</b>	<b>8231</b>

**Note:** PD- Partially Damaged, FD- Fully Damaged

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K	0	0	17	185	273	458	772
Balochistan	1000	18	0	43960	17528	61488	500000
GB	16	65	8	267	458	725	0
ICT	0	0	0	0	0	0	0
KP	6.5	7	0	28648	29334	57982	16575
Punjab	121	12	100	29730	16590	46320	202593
Sindh	2328	60	45	631389	253208	884597	15435
<b>TOTAL</b>	<b>3471.5</b>	<b>162</b>	<b>170</b>	<b>734179</b>	<b>317391</b>	<b>1051570</b>	<b>735,375</b>

3. **Disrupted Roads/ Railway Network**a. **Motorways and National Highways (NHA)**

Province /Region	Roads
Balochistan	<b>M-8: (KM 100 – 140)</b> Land sliding occurred in 24 Km Long section of Wangu hills, road is closed for all types of traffic
	<b>N-25: Hub Bridge KM 22 – 23</b> Light Traffic plying through alternate route, diversion for bridge is under preparation
	<b>N-65: Pinjra Bridge (Bolan River) 45 meter span washed out</b>

Province /Region	Roads
GB	<b>N140:</b> Ghizer Road
KP	<b>N-35:</b> Blocked at 3 locations KM 288 (Mata Banda Zaid Khad Nala), KM 303 (Achar Nullah) and at KM 323 (Lutar).
	<b>N-95: (Madyan)</b> Blocked at KM 91 – 92, restoration work underway.
	<b>N-50:</b> Blocked at km 486, road blocked for all types of traffic at Saggu Bridge.
Punjab	<b>N-55: Fazilpur – Rajanpur Section</b> Road breached at 2 locations. 01x Temporary Steel bridges has been installed. Traffic is plying on alternate routes of N-5 & M-5 through Shaheed Benazir Bridge.

**Authority:** NHA's Daily Road Situation Report dated 29<sup>th</sup> August 2022.

b. **Railways Network (Pak Railways)**

Province /Region	Pakistan Railways
Balochistan	Quetta to Taftan
Balochistan - Sindh	Quetta to Sibbi to Habibkot
Punjab- Sindh	Hayderabad to Rohri to Multan
Sindh	Kotri to Lakhi Shah to Dadu

4. **Joint Survey/ Damage assessment Flood Affected Areas.** 15x Joint survey teams of NDMA have reached respective locations at; 2x Quetta along with a provincial coordination team, Pishin, Loralai, Dukki, Jaffarabad, Sohbatpur, Nasirabad, Kohlu, Barkhan and Lasbella, Awaran, Musakhel, Gawadar & Khuzdar.

5. **Helicopter/ Aerial Rescue Operations:** Armed Forces Army aviation undertook 27 sorties, rescued 316 stranded persons and distribution of 27.7 tons of relief goods was completed. Operation include Noushki Balochistan, Tank, DIKhan, Kalam and Kumrat in KP and Kohistan and South Punjab.

6. **Calamity Hit Districts & Population**

Province/ Rgn Wise	Calamity Hit Notified District	Affected Population
AJ&K	0	53,700
Balochistan	31	9,182,616
GB	6	51,500
KP	9	4,350,490
Punjab	3	4,844,253
Sindh	23	14,563,770
<b>Total</b>	<b>72</b>	<b>33,046,329</b>

7. **Dams and Reservoirs Levels**

Reservoirs	Max Conservation Level & Storage		Today's Level		Remaining Level & Storage	
	Feet	(MAF)	Current Level & Storage		Feet	(MAF)
			Feet	(MAF)		
Tarbela	1,550.00	5.827	1550	5.827	Nil	Nil
Mangla	1,242.00	7.356	1184.30	3.412	57.7	9.944
Chashma	649.00	0.278	640.50	0.058	8.5	0.22

MAF - Million Acre Feet

**Authority:** FFC's Daily Weather & Flood Situation Report dated 29<sup>th</sup> August 2022.

8. **Flood Alert / River Flows.**

- River Kabul at Nowshera is in very high flood level.
- River Indus at Chashma, Taunsa Guddu & Sukkur is in high flood level.
- River Indus at Kalabagh & Kotri is in Medium Flood Level and at Tarbela is in low flood level.
- Very high and above level flooding is likely to continue in River Kabul at Nowshera during next 24- hours.

Structures	Design ed 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*	
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	196,000	156,000	263,000	269,000	Low Flood (S)	650,000
• Kalabagh	950,000	950,000	14-7-1942	173,000	166,000	411,000	407,000	Med. Flood (S)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	177,000	164,000	516,000	508,000	High Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	146,000	126,000	589,000	589,000	High Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	96,000	70,000	501,000	501,000	High Flood (S)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	67,000	26,000	531,000	531,000	High Flood (S)	700,000
• Kotri	875,000	981,000	14-8-1956	30,000	NIL	344,000	342,000	Med. Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000	450,000	29-07-2010		21,000		91,000	Med. Flood (S)	200,000
• Nowshera							295,000	Very High Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010				29,000	Normal	150,000
• Munda (H. Works)	150,000	355,000	29-07-2010				36,000	Normal	150,000
• Charsadda Road		360,000	30-07-2010				40,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	21,000	25,000	45,000	11,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	NIL	6,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	57,000	21,000	60,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	37,000	30,000	42,000	35,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	36,000	14,000	38,000	18,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	27,000	10,000	46,000	34,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	50,000	43,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		3,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	33,000	4,000	36,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	23,000	8,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	17,000	3,000	20,000	9,000	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 29<sup>th</sup> August 2022.

9. **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	3.966 (25 <sup>th</sup> Aug)	1661.96	40,798	23,877
b.	Pong Dam River Beas	1390	4.991	4.031 (25 <sup>th</sup> Aug)	1382.37	21,784	14,694
c.	Thein Dam River Ravi	1732	1.900	1.588 (25 <sup>th</sup> Aug)	1715.37 (25 <sup>th</sup> Aug)	Not Available	Not Available

**Authority:** Ministry of Water Resources, Office of PCIW report of 29<sup>th</sup> August 2022.

10. **Summary Pre- Monsoon and Monsoon Spells Till 29<sup>th</sup> Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	136.5	390.7	186.23
AJ&K	381.5	392.2	2.80
Balochistan	60.7	309.2	409.39
Gilgit Baltistan	40	87.8	119.50
Khyber Pakhtunkhwa	242.4	352.4	45.38
Punjab	224	424	89.29
Sindh	123	697.1	466.75

11. **Rainfall Last 24 Hours**

Stations	Rainfall (mm)
<b>Punjab</b>	
Lahore	Lakshmi Chowk 124, Pani Wala Talab 101
Murree	14
Kasur	02
D G Khan (Fort Munro) & Bahawalnagar	Trace
<b>Khyber-Pakhtunkhwa</b>	
Kakul	51
Malamjabba	04
Dir	(Upper 03)
Balakot	01
Parachinar & Khar Bajaur	Trace
<b>Kashmir</b>	
Rawalakot	27
Bandi Abbaspur	08
Chakothe	04
Dhulli	03
Garhi Dupatta	02
Muzaffarabad	(City 01 & A/P Trace)
Haraman	Trace
<b>Gilgit-Baltistan</b>	
Babusar	13
Gilgit	08
Chilas & Bagrote	07
Astore	02
Skardu & Bunji	Trace
<b>Sindh</b>	
NIL	
<b>Balochistan</b>	
NIL	

**Authority:** PMD Daily Weather & Flood Situation Report dated 29<sup>th</sup> August 2022.

12. **Weather Forecast for next 24 hours by PMD.** Mainly dry weather is expected over most parts of the country, however isolated thunderstorm/rain is expected over the upper catchments of all the Major Rivers along with Northeast Balochistan, Southeast Sindh and DG Khan, DI Khan, Rawalpindi, Gujranwala & Lahore Divisions.



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