



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



Dated: **24<sup>th</sup> August 2022**

Subject: **NDMA Monsoon 2022 Daily Situation Report No 072**

NDMA Monsoon 2022 Daily Situation Report No 072, covering period from 1300 hours on 23<sup>rd</sup> August 2022 to 1400 hours 24<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	NTR
Balochistan	5			5	3			3	<u>Due to Roof Collapse</u> • <u>Deaths.</u> 5x Males death reported • 2x in Loralai • 1x in Duki • 1x in Sibbi • 1x in Musakhel • <u>Injured.</u> 3xChildren in Duki
GB				0				0	NTR
ICT				0				0	
KP	1			1	1	1		2	<u>Due to Roof Collapse</u> • <u>Deaths.</u> 1x Male in DI Khan • <u>Injured.</u> 1x Male & 1x female in DI Khan
Punjab	12	1		13	-82	-64	-49	-195	<u>Due to Drowning</u> • <u>Deaths.</u> 5x Males drowned in Rajanpur <u>Data Reconciliation.</u> • 7xMale deaths added • 82x Males, 64xFemales and 49x Children numbers have been reduced from injury data
Sindh	31	10	13	54	65	47	23	135	<u>Deaths</u> • 5x Males, 1x Female & 1x Child in N. Feroze • 4x Males in Larkana • 1x Male, 1x Female & 1x Child in SBA • 1x Male & 3x Children in Jacobabad • 1x Female & 1x Child in Badin • 1x Female in Sanghar • 2x Children in TMK • 2x Children in Kashmore • 1x Child in Dadu. <u>Injured.</u> Reported by concerned Commissioners and Dept of Health GoS. <u>Data Reconciliation.</u> Deaths of 20x Males, 6x Females & 2 x Children have been added
<b>Total</b>	<b>49</b>	<b>11</b>	<b>13</b>	<b>73</b>	<b>-13</b>	<b>-16</b>	<b>-26</b>	<b>-55</b>	

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

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	24	13	0	<b>37</b>	14	6	0	<b>20</b>
Balochistan	110	55	65	<b>230</b>	55	11	32	<b>98</b>
GB	2	4	3	<b>9</b>	1	0	3	<b>4</b>
ICT	1	0	0	<b>1</b>	0	0	0	<b>0</b>
KP	50	33	86	<b>169</b>	78	60	92	<b>230</b>
Punjab	84	41	39	<b>164</b>	54	36	15	<b>105</b>
Sindh	115	45	133	<b>293</b>	466	203	167	<b>836</b>
<b>Total</b>	<b>386</b>	<b>191</b>	<b>326</b>	<b>903</b>	<b>668</b>	<b>316</b>	<b>309</b>	<b>1293</b>

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Live-stock
				PD	FD	Total	
AJ&K				2	1	<b>3</b>	
Balochistan				230	100	<b>330</b>	
GB						<b>0</b>	
ICT						<b>0</b>	
KP				600	505	<b>1105</b>	66
Punjab	4	1	59	-20133	65352	<b>45219</b>	
Sindh	146.1			28994	6382	<b>35376</b>	644
<b>TOTAL</b>	<b>150.1</b>	<b>1</b>	<b>59</b>	<b>9693</b>	<b>72340</b>	<b>82033</b>	<b>710</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	145	251	<b>396</b>	765
Balochistan	710	18	0	19630	7267	<b>26897</b>	500000
GB	2	52	0	204	306	<b>510</b>	0
ICT	0	0	0	0	0	<b>0</b>	0
KP	6.5	7	0	7336	7781	<b>15117</b>	742
Punjab	37	8	60	13091	71015	<b>84106</b>	202797
Sindh	2281.5	45	32	257671	110562	<b>368233</b>	3794
<b>TOTAL</b>	<b>3037</b>	<b>130</b>	<b>109</b>	<b>298077</b>	<b>197182</b>	<b>495259</b>	<b>708,098</b>

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	1	Azad Pattan	Landslide	In Progress	Yes
Balochistan	2	N-25 Qta- Karachi	Lunda Bridge washed away	Blocked	Yes
		M8	Land sliding		
GB	1	Mujawir road at Ishkoman (Immit valley)	Flash Flood	In progress	Yes
ICT	NTR				
KP					
Punjab					
Sindh					

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	16	418,388	38,143	3,685
Sindh	17	2,263,777	0	172,196
<b>Total</b>	<b>116</b>	<b>3,101,525</b>	<b>45,598</b>	<b>184,061</b>

6. **Relief Provided by NDMA**

S No	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
5	AJ&K	450	300	-	750	-	200	-	500	-	-	-	-	-	-
1	BLN	7850	16300	17800	13500	3000	3200	12500	5000	85	140	8000	1000	84	200
6	GB	550	700	-	500	-	400	-	700	-	-	-	-	-	-
7	ICT	15	15	-	-	-	-	-	-	-	-	-	-	2	-
2	KP	1200	1200	1200	900	1150	1200	1000	500	6	-	1000	6	0	0
3	PB	1650	1500	1500	1000	500	500	1400	500	-	-	1000	-	20	50
4	SINDH	15496	11100	10648	1000	1500	1700	11500	500	15	20	2000	-	95	100
<b>TOTAL</b>		<b>27211</b>	<b>31115</b>	<b>31148</b>	<b>17650</b>	<b>6150</b>	<b>7200</b>	<b>26400</b>	<b>7700</b>	<b>106</b>	<b>160</b>	<b>12000</b>	<b>1006</b>	<b>201</b>	<b>350</b>

7. **Relief Provided by PDMA**

Item	Tents	Blankets/ Quilt/ Sleeping Bags	Net Mosquito/ animal	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	9	9	0	0	35	0	0	9	35	0	0	11	0	0
Bln	27750	12636	17436	20516	7406	8350	31050	131	9750	37142	0	9016	7726	546	3250	207	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	22267	1200	200	0	6160	0	5	0	0	39437	0	0	0	0	0	0	0	0	0
Sindh	86435	0	146875	26610	1950	11,380	39	0	110	29242	45	0	3610	0	0	150	3620	32	155
<b>Total</b>	<b>138676</b>	<b>14720</b>	<b>165164</b>	<b>47784</b>	<b>16844</b>	<b>19,864</b>	<b>31103</b>	<b>131</b>	<b>9860</b>	<b>107255</b>	<b>45</b>	<b>9135</b>	<b>12367</b>	<b>581</b>	<b>3895</b>	<b>357</b>	<b>4436</b>	<b>38</b>	<b>181</b>

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

S no	Province	District	Relief Items	Quantity	Organization
1	Sindh	Larkana	Food Packs (HH)	497	UAE Red Crescent
			Tents (No.)	250	
		Qambar Shahdadkot	Food Packs (HH)	440	
			Tents (No.)	210	
		Khairpur Mir	Food Packs (HH)	210	
			Tents (No.)	110	
		Sukkhur	Food Packs (HH)	95	
			Tents (No.)	35	
Hyderabad	Food Packs (HH)	50			
	Tents (No.)	30			
2	Punjab	Rajanpur	Cooked Food (No.)	400	Doaba Foundation
3	NDMA	-	Food Packs (No.)	10,000	KS Relief

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

S#	Relief Items	Punjab	Sindh	KP	Bltn	AF	Total	Mjr cont
1	Food Packs (No.)	1,602	1,803	1,400	26,841*	95,935	127,581	Nestle Pk, WHO, KORT Relief, PRCs, Penny Appeal, Helping Hands (HHRD), IRC, IRP, Muslim Hands, Muslim Aid, UAE Red Crescent, Armed Forces, UNHCR
2	Cooked Food (No.)	18,454	9,580	2,250	3,710	-	33,994	
4	Drinking Water (Litre)	17,741	1,545	300	71,390	19,120	110,096	
5	Tents (No.)	-	635	-	1,878*	3,650	6,163	
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	5,887*	-	7,597	
10	Medical Support (Persons)	871	2,482	989	10,603	28,991	43,936	
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	695*	4,516*	-	6,392	
15	Cash (Beneficiaries)	2,000	-	-	8,840	-	10,840	

\* Includes 540 tents, 874 NFI kits, 240 dignity kits & 500 food packs for Afghan Refugees.

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	1178.45	3.094	63.55	4.26
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 24<sup>th</sup> August 2022.10. Flood Alert / River Flows.

- River Indus at Guddu & Sukkur is in High Flood Level. River Indus at Taunsa is in Medium Flood Level. River Indus at Kalabagh, Chashma & Kotri and River Kabul at Nowshera are in low Flood Level.
- VERY HIGH TO EXCEPTIONALLY HIGH-Level Flooding is expected in the Hill Torrents of DG Khan Division and in Rivers/Nullahs of Eastern Balochistan from 24<sup>th</sup> to 25<sup>th</sup> August, 2022.
- Flows from Hill Torrents of DG Khan Division may rise Taunsa flows up to HIGH to VERY HIGH flood level from 24<sup>th</sup> to 25<sup>th</sup> August, 2022.
- Urban Flooding is also expected in Sindh during next 24-hours. • High to very High-level flooding is expected in River Kabul at Nowshera and Tributaries of Rivers Kabul & Indus from 25<sup>th</sup> to 26<sup>th</sup> 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*	
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	136,000	103,000	213,000	199,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	118,000	111,000	271,000	266,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	154,000	141,000	382,000	364,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	135,000	116,000	445,000	445,000	Med Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	120,000	88,000	547,000	547,000	High Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	85,000	34,000	560,000	560,000	High Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	28,000	NIL	271,000	271,000	Low Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				16,000		46,000	Low Flood (F)	200,000
• Nowshera		450,000	29-07-2010		18,000		71,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		3,000		14,000	Normal	150,000
• Munda( H. Works)	150,000	355,000	29-07-2010		3,000		12,000	Normal	150,000
• Charsadda Road		360,000	30-07-2010		4,000		13,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	20,000	29,000	40,000	9,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	12,000	6,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	48,000	13,000	60,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	12,000	5,000	48,000	41,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	NIL	45,000	25,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	8,000	88,000	74,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	NIL	101,000	94,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		3,000		10,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		20,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	30,000	1,000	43,000	16,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	14,000	NIL	16,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	16,000	4,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	5,000	4,000	Normal	175,000

**Authority:** FFC Daily Weather & Flood Situation Report dated 24<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	3.636 (18 <sup>th</sup> Aug)	1656.54	46,700	23,346
b.	Pong Dam River Beas	1390	4.991	3.359 (18 <sup>th</sup> Aug)	1379.92	42,261	17,620
c.	Thein Dam River Ravi	1732	1.900	1.62 (18 <sup>th</sup> Aug)	1718.26 (18 <sup>th</sup> Aug)	Not Available	Not Available

**Authority:** Ministry of Water Resources, Office of PCIW report of 23<sup>rd</sup> August 2022.

12. **Summary Pre- Monsoon and Monsoon Spells Till 24<sup>th</sup> Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	129.4	352.5	172.41
AJ&K	358.5	356.4	-0.59
Balochistan	58.9	277.1	370.46
Gilgit Baltistan	35.8	69	92.74
Khyber Pakhtunkhwa	228.2	289.1	26.69
Punjab	210.6	399.1	89.51
Sindh	118.7	633.6	433.78

13. **Rainfall Last 24 Hours**

Stations	Rainfall (mm)
<b>Sindh</b>	
Badin	90
Mir Pur Khas	84
Tando Jam	80
Chhor	77
Sakrand	69
Shaheed Benazirabad	61
Hyderabad	56
Rohri	41
Khairpur	31
Thatta & Dadu	30
Mohenjodaro & Sukkur	24
Karachi	23
Larkana	21
Mithi	19
Jacobabad	04
<b>Punjab</b>	
R Y Khan	53
Jhelum	47
D G Khan	41
Sialkot	(A/P 39 & City 12)
Kot Addu	38
Chakwal	24
Mangla	20
Islamabad	18
M. B. Din	14
Murree	12



<b>Stations</b>	<b>Rainfall (mm)</b>
Bahawalpur	(A/P 09, City 02)
Rawalpindi	(Shamsabad 08, Chaklala & Kachehri 02)
Khanewal, Bhakkar & Khanpur	06
Multan	(A/P 05)
Narowal	04
Gujrat	02
Bahawalnagar	Trace
<b>Kashmir</b>	
Chakothi	35
Chattar Kalas	21
Kotli	14
Bandi Abbaspur	10
Dhulli	07
Rawalakot	06
Garhi Dupatta	05
Muzaffarabad	(A/P, City Trace)
<b>Balochistan</b>	
Bar Khan	22
Lasbella	06
Quetta	(Samungli Trace)
<b>Khyber-Pakhtunkhwa</b>	
Ghalanai	15
Kakul	12
Tirah Khyber	07
Mir Khani	06
Chitral	05
Drosh	04
Saidu Sharif & Buner	01
<b>Gilgit-Baltistan</b>	
Astore	08
Babusar	04
Bagrote	03
Gilgit, Hunza, Skardu & Gupis	01
Chilas	Trace

**Authority:** PMD Daily Weather & Flood Situation Report dated 24<sup>th</sup> August 2022.

14. **Weather Forecast for next 24 hours by PMD.** Widespread thunderstorm/rain of heavy to very heavy intensity with extremely heavy falls at isolated places is expected over Sindh, Eastern Balochistan along with DG Khan & DI Khan Divisions. Scattered to widespread thunderstorm/rain of moderate to heavy intensity with isolated very heavy falls is expected over the upper catchments of Rivers Kabul & Indus. Scattered thunderstorm/rain of moderate intensity is expected over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej along with Islamabad and Rawalpindi, Sargodha, Gujranwala, Lahore, Multan, Bahawalpur, Peshawar, Kohat & Bannu Divisions. Isolated thunderstorm/ rain is expected over rest of the country except Western Balochistan.
15. **Weather Alert / Advisory / Press Release**
- a. Met Office informed that a well-marked low pressure (LPA) located over east Rajasthan (India) is likely to move northwest direction and approach Sindh tonight. Due to this strong weather system monsoon currents are penetrating in southern and upper parts of the country. Under the influence of this weather system:

- More rain-wind/thundershower (with scattered heavy to very heavy falls) is expected in Sindh, south Punjab, south and northeastern Balochistan from 23 rd to 26 th August with occasional gaps.
- Rain-wind/thundershowers (with isolated heavy falls) are expected in Khyber Pakhtunkhuwa, Punjab, Kashmir and Gilgit-Baltistan from 23rd (night) to 26 th August with occasional gaps.

b. Possible Impacts:

- Heavy Rains may generate **urban flooding** in Karachi, Hyderabad, Tando Jam, Thatta, Badin, Mirpurkhas, Sanghar, Khairpur, Shaheed Benazirabad, Dadu, Naushahro Feroz, Larkana, Jaccobabad and Sukkur on **24th & 25th August**.
- **Flash flooding** is expected in Qilla Saifullah, Quetta, Ziarat, Harnai, Pishin, Loralai, Barkhan, Kohlu, Dera Bugti, Jhal Magsi, Mosa Khel, Zhob, Sherani, Sibbi, Naseerabad, Bolan, Awaran, Kalat, Khuzdar, Lasbella and **hill torrents** of Dera Ghazi Khan from 24th to 26th August.
- Heavy Rains may generate **urban flooding** in Rawalpindi/Islamabad, Bahawalpur, Multan, Lahore and Gujranwala on 24th & 25th August.
- **Flash flooding** is expected in local Nullahs of Islamabad/Rawalpindi, Abbottabad, Mansehra, Dir, Karak, Lakki Marwat, Bannu and Kashmir from 24th to 26th August.
- Rainfall may trigger **landslides** in Kashmir, hilly areas of Khyber Pakhtunkhwa, Galiyat, Murree, Chillas, Diamir, Gilgit, Hunza, Astore, Ghizer and Skardu during the forecast period.



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