



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

Dated: 17<sup>th</sup> August 2022Subject: **NDMA Monsoon 2022 Daily Situation Report No 065**

NDMA Monsoon 2022 Daily Situation Report No 065, covering period from 1300 hours on 16<sup>th</sup> August 2022 to 1400 hours 17<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	NTR								
Balochistan									
GB									
ICT									
KP	3	3	4	10	3	9	2	14	<u>Due to Roof Collapse Deaths</u> <ul style="list-style-type: none"> <li>• 2x males in Khyber and 1x male in Karak</li> <li>• 2x Females in Khyber &amp; 1 x female in S. Waziristan</li> <li>• 2 x children in Khyber, 1 x child in DIK and 1x child in S-Waziristan</li> </ul> <u>Injures</u> <ul style="list-style-type: none"> <li>• 2x males in Khyber and 1x male in Tank</li> <li>• 8x Females in Khyber and 1x female in Tank</li> <li>• 2x Children in Khyber</li> </ul>
Punjab	NTR								
Sindh	3		1	4					<ul style="list-style-type: none"> <li>• 01x male died due to roof collapse in Hyderabad.</li> <li>• 02x males &amp; 01x child died due to lighting in KSK</li> </ul>
<b>Total</b>	<b>6</b>	<b>3</b>	<b>5</b>	<b>14</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>14</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	96	45	55	196	49	12	20	81
GB	2	4	3	9	1	0	3	4
ICT	1	0	0	1	0	0	0	0
KP	33	25	74	132	37	54	57	148
Punjab	65	37	39	141	128	91	63	282
Sindh	59	16	66	141	270	117	111	498
<b>Total</b>	<b>272</b>	<b>139</b>	<b>238</b>	<b>649</b>	<b>496</b>	<b>280</b>	<b>254</b>	<b>1030</b>

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

Province /Region	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	Total	
AJ&K				9	4	13	
Balochistan				0		0	
GB				25	20	45	
ICT				0		0	
KP				31		31	
Punjab				0		0	
Sindh				257	6	263*	24
<b>TOTAL</b>				<b>322</b>	<b>30</b>	<b>352</b>	<b>24</b>

\*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	131	233	364	746
Balochistan	690	18	0	15995	5547	21542	107,377
GB	2	52	0	200	303	503	0
ICT	0	0	0	0	0	0	0
KP	6.5	7	0	3948	1095	5043	328
Punjab	33	7	1	6392	5978	12371	13
Sindh	2135.4	45	32	27893	5155	33048	2000
<b>TOTAL</b>	<b>2866.9</b>	<b>129</b>	<b>43</b>	<b>54559</b>	<b>18311</b>	<b>72871</b>	<b>110,464</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	2	N-25 Qta- Karachi	Lunda Bridge washed away	Diversion made for light traffic	Yes
			Kanta Bridge Washed away		
		M8	Landslide	Traffic ply though temporary track	
GB	5	Hisper Valley Road	Landslide	In progress	Yes
		Chispuran Valley Road	Road erosion flash flood	In progress	
		Budalas, Chalt, Bar Roads	Debris flow	In progress	
		Babusar road	Flash Flood	Open for light traffic	
		KKH at Goner farm	Flash Flood	In progress	
ICT	NTR				
KP	2	KKH at Achar Nullah	Flash Flood	In progress	Yes
		Buttle Bridge is washed away			
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	548,357	NR	365
<b>Total</b>	<b>103</b>	<b>1,087,654</b>	<b>10,464</b>	<b>15,205</b>

5. **Relief Provided by NDMA**

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
AJ&K	450	300	0	750	0	200	0	500	0	0	0	0	0	0
BLN	7850	16300	17800	13500	3000	3200	7500	5000	85	140	3000	1000	84	200
GB	550	700	0	500	0	400	0	700	0	0	0	0	0	0
ICT	15	15	0	0	0	0	0	0	0	0	0	0	2	0
KP	700	700	700	900	1000	700	500	500	0	0	0	0	0	0
PB	500	500	500	1000	500	500	400	500	0	0	0	0	0	0
SINDH	1750	1400	2000	1000	1000	1000	1000	500	15	20	2000	0	50	0
<b>Total</b>	<b>11815</b>	<b>19915</b>	<b>21000</b>	<b>17650</b>	<b>5500</b>	<b>6000</b>	<b>9400</b>	<b>7700</b>	<b>100</b>	<b>160</b>	<b>5000</b>	<b>1000</b>	<b>136</b>	<b>200</b>

6. **Relief Provided by PDMA**

Item	Tents	Blankets/ Quilt	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 accessories	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
Blh	22515	10580	13330	13860	4600	8350	31050	105	9700	32062	0	7620	6170	160	950	167	100	6	26
GB	501	212	50	100	420	0	0	1	0	532	0	0	107	0	0	0	256	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	24280	0	77,975	2060	1950	7080	0	39	110	10850	45	0	3110	0	0	50	3120	20	130
<b>Total</b>	<b>52159</b>	<b>11329</b>	<b>92,208</b>	<b>16678</b>	<b>8414</b>	<b>15555</b>	<b>31064</b>	<b>145</b>	<b>9810</b>	<b>84297</b>	<b>45</b>	<b>7739</b>	<b>10281</b>	<b>195</b>	<b>1595</b>	<b>217</b>	<b>3879</b>	<b>26</b>	<b>156</b>

## 7. Relief Provided by Humanitarian Agencies

### (a) Last 24 hours

S no	Province	District	Relief Items	Qty	Organization
1	Balochistan	Killa Saifullah	Cooked Food (No.)	600	Penny Appeal
			Drinking Water (Litre)	4000	
2	Punjab	DG Khan	Cooked Food (No.)	900	
			Drinking Water (Litre)	6000	

### (b) Cumulative Relief by Humanitarian Agencies

S#	Relief Items	Punjab	Sindh	KP	Bltn	Total	Maj cntbr
1	Food Packs (No.)	1,427	501	700	19,970	22,598	Nestle Pak, 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.)	-	-	-	1,013	1,013	
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	3,316	4,628	

- WHH – food packages (1100 HH), shelter kit 270 HH, water filtration 1100 ( 300 HH), 270 Agri package ( seeds, fertilizer, basic eqpt)
- Save the Children - Shelters /Hygiene kits/ food packs(1000 HH each), Med sp (35000 patients)
- All Pak Chinese Enterprise Association - 10 M PKR donation

8. US Govt announcing 1,00,000 USD to GoB.

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	1548.20	5.723	1.8	0.104
Mangla	1,242.00	7.356	1171.90	2.811	69.1	4.445
Chashma	649.00	0.278	639	0.010	10	0.268

MAF - Million Acre Feet

**Authority:** FFC's Daily Weather & Flood Situation Report dated 17<sup>th</sup> August 2022.

10. Flood Alert / River Flows.

- River Indus at Tarbela, Kalabagh, Chashma, Taunsa, Guddu, Sukkur and River Chenab at Qadirabad are in low flood level.
- Severe flash flooding is expected in the Hill Torrents of D.G. Khan Division along with Rivers/Nullahs of Eastern Balochistan during 17<sup>th</sup> to 19<sup>th</sup> August, 2022.
- Flows from Hill Torrents of D.G. Khan Division may cause medium to high level flooding in River Indus at Taunsa, Guddu & Sukkur.
- Severe urban flooding is also expected in Sindh during 17<sup>th</sup> to 19<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*	
1	2	3	4	5	6	7	8	9	10
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	144,000	107,000	263,000	252,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	156,000	148,000	260,000	254,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	185,000	175,000	363,000	348,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	168,000	140,000	269,000	269,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	121,000	90,000	348,000	343,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	86,000	35,000	280,000	276,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	58,000	22,000	199,000	196,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				22,000		31,000	Normal	200,000
• Nowshera		450,000	29-07-2010		33,000		55,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		11,000		15,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		8,000		18,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		6,000		16,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	26,000	11,000	34,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	16,000	6,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	48,000	13,000	106,000	93,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	16,000	8,000	105,000	99,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	NIL	125,000	109,000	Low Flood (F)	400,000
• Trimmu	875,000	943,225	08-7-1959	19,000	7,000	84,000	72,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	16,000	NIL	65,000	56,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		4,000		48,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	5,000	37,000	10,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	17,000	NIL	22,000	9,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	15,000	5,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	2,000	1,000	Normal	175,000

**Authority:** FFC Daily Weather & Flood Situation Report dated 17<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 14<sup>th</sup> August 2022.

12. **Summary Pre- Monsoon and Monsoon Spells Till 16<sup>th</sup> Aug 22**

Provinces/ Region	30 Years Average (mm)	Rainfall Monsoon-22 (mm)	Departure (%)
Pakistan	119	267.1	124.45
AJ&K	328.1	335.5	2.26
Balochistan	55.4	215.9	289.71
Gilgit Baltistan	33.4	54.6	63.47
Khyber Pakhtunkhwa	209.4	241.6	15.38
Punjab	192.3	346.4	80.14
Sindh	107.9	376.6	249.03

13. **Rainfall Last 24 Hours**

City/Observatory	Rainfall (mm)
<b>Punjab</b>	
Murree	45
Islamabad	34
DG Khan	31
Khanpur & Kamra	18 each
Kot Addu	14
Rahim Yar Khan	12
<b>Sindh</b>	
Tando Jam	129
Karachi	98
Thatta	52
Mithi	46
Larkana	40
Rohri	33
Mirpur Khas	28
Chhor	27
Padidan	26
Hyderabad	24
Khairpur	21
Jacobabad	18
Shaheed Benazirabad	16
Badin	15
Sukkur	09
<b>Balochistan</b>	
Panjgur	38
Muslim Bagh	15
Pishin	13
Ziarat	10
Kalat	08



City/Observatory	Rainfall (mm)
<b>Khyber Pakhtunkhwa</b>	
Malam Jabba	31
Mirkhani	30
Cherat	22
Drosh	21
Besham	20
D.I.Khan & Peshawar	15 each
Kalam, Kohat, Landi Kotal & Buner	12 each
Pattan	11
Mamad Gut, Dir & Tirah-Khyber	10 each
Tarbela	07
<b>Gilgit-Baltistan</b>	
Gupis	14
Bunji	11
<b>AJ&amp;K</b>	
Chakothe	25
Palandri	19
Bandi Abbaspur	16
Kotli	15
Hajira	13
Domel	11
Muzaffarabad	10
Garhi Dopatta	07

**Authority:** PMD Daily Weather & Flood Situation Report dated 16<sup>th</sup> August 2022.

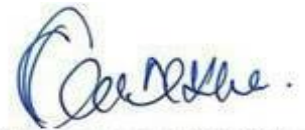
13. **Weather Forecast for next 24 hours by PMD.** Widespread thunderstorm/ rain with Heavy to very heavy falls at scattered places and extremely heavy falls at isolated places is expected over Sindh and eastern Balochistan. Scattered to widespread thunderstorm/rain of moderate to heavy intensity with isolated very heavy falls is expected over Bahawalpur, D.G. Khan, Multan, Sargodha & D.I. Khan Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy falls is expected over rest of the country except west Balochistan.

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, 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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