



F.1 (E)/2022-NDMA (MW/SITREP)
Government of Pakistan
Prime Minister's Office



National Disaster Management Authority
ISLAMABAD

Dated: **31st July 2022**

Subject: **NDMA Monsoon 2022 Daily Situation Report No 047**

NDMA Monsoon 2022 Daily Situation Report No 047, covering period from 1300 hours on 30th July 2022 to 1300 hours 31st July 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
 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



**Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
Islamabad**



MONSOON 2022 DAILY SITUATION REPORT NO – 046
(Period Covered: 1300 hrs 29 July 2022 – 1300 hrs 30 July 2022)

1. Area Affected (Last 24 Hours)

Ser	Prov/ State	Daily Incidents
a.	ICT	NTR (Nothing to Report)
b.	Balochistan	NTR
c.	Khyber Pakhtunkhwa	<p><u>District Bajaur.</u> Due to heavy rain, 13x houses were partially damaged.</p> <p><u>District Charsadda.</u> On 29th July 2022, due to heavy rains, 03x males injured, 04x cattle perished and 06x houses fully & 25 x houses partially damaged.</p> <p><u>District Dera Ismail Khan.</u> On 29th July 2022, due to heavy rain 16x houses partially damaged.</p> <p><u>District Malakand.</u> Due to heavy rain, 01x male dead, 07x houses partially damaged.</p> <p><u>District Mardan.</u> Due to heavy rain, 14x houses partially damaged, 02x house fully damaged, and 24x kanals maze corps damaged.</p> <p><u>District Mohmand.</u> Due to heavy rain, 01 male dead and 12x houses partially damaged.</p> <p><u>District Nowshera.</u> Due to heavy rains, 01x house partially damaged.</p> <p><u>District South Waziristan.</u> Due to heavy rains, 02x children injured and 01x house partially damaged.</p> <p><u>District Swabi.</u> Due to heavy rains, 02x females injured and 02x houses partially damaged.</p> <p><u>District Swat.</u> Due to heavy rains, 02x cattle perished and 01x cattle farm damaged.</p>
d.	Punjab	<p><u>District Multan.</u> Due to heavy rains, 01x child injured and 01x house partially damaged.</p> <p><u>District Jehlum.</u> Due heavy rains, 01x child drowned in river.</p>
e.	Sindh	NTR
f.	Gilgit Baltistan	<u>District Ghizer.</u> Due to heavy rain, 05x houses fully damaged.
g.	AJ&K	<u>District Mirpur.</u> Due heavy rains, 01x child drowned in river.

2. Cumulative Damages/ Relief Activities (14 June to date)

a. Summary of Casualty – Injured/ Death

Provinces / State	Deaths				Injured			
	M	F	C	T	M	F	C	T
ICT	01	0	0	1	0	0	0	0
Balochistan	50	31	46	127	46	10	14	70
Khyber Pakhtunkhwa	24	16	43	83	113	44	26	183
Punjab	56	15	31	102	150	90	35	275
Sindh	47	06	51	104	28	17	20	65
Gilgit Baltistan	01	04	03	8	03	0	0	03
AJ&K	07	01	1	09	05	04	0	09
TOTAL	186	73	175	434	345	165	95	605

b. Summary of Damages of Infrastructure & Private Properties

Prov / State	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	TOTAL	
ICT	-	-	-	-	-	-	-
Balochistan	580	13	-	9,969	3,351	13,320	23,013
Khyber Pakhtunkhwa	6.5	5*	-	2,768	746	3,514	271
Punjab	-	-	01	77	06	83	12
Sindh	408.5	05	06	16,071	2,956	19,027	383
GB	2	50*	-	162	283	445	-
AJ&K	-	-	05	20	60	80	741
TOTAL	997 km	71	12	29,067	7,402	36,469	24,420

Note: Partially Damaged (PD), Fully Damaged (FD).

*Includes 21 x Foot Bridges.

c. Relief Activities.

- (1) **NDMA Relief.** 2400x Tents, 4000x mosquito nets and 2900x tarpaulins have been provided to PDMA Balochistan.
- (2) **PDMA Sindh.** 4189.5 KG relief items containing (40 Ration Bags, 76.5 Kg Cooking Oil, 400 Anti Snake Vaccines and Medicines / Medical Supplies) handed over to Air Force Authorities for further dispatch to Balochistan. This is in addition to 600 tents sent earlier for the flood affectees of Uthal, Balochistan.

- d. **Rehabilitation Activities.** Restoration work at Lunda bridge at Uthal and Gaddani bridge is in progress in District Lasbela.

e. **Rescue Activities.** NTR.

f. **Aviation Activities.** NTR.

3. **River Discharges.** All the Major Rivers are flowing below 'Flood Limits". Details of river discharges are attached as **Annex A.**

4. **Dams Levels.**

Ser	Reservoirs	Max Conservation Level & Storage		Current Level & Storage		Remaining Level & Storage	
		(Feet)	(MAF*)	(Feet)	(MAF*)	(Feet)	(MAF*)
a.		1,550.00	5.882	1529	4.654	21	1.228
b.	Mangla	1,242.00	7.356	1151.20	1.824	90.8	5.532
c.	Chashma	649.00	0.278	639	0.017	10	0.261
Total Storage		-		13.516 (MAF)			
Total Storage till 31st July 2022		-		6.495			
(MAF)Remaining Storage		-		7.208 (MAF)			

Source: Federal Flood Commission

5. **Weather Forecast for Next 24 Hours by PMD.** Scattered to widespread thunderstorm/rain with scattered heavy falls and isolated very heavy falls is expected over Islamabad along with Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha & Gujranwala Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the Major Rivers along with East Balochistan and Lahore, Faisalabad, Sahiwal, Multan & DG Khan Divisions. Isolated thunderstorm/rain is expected over rest of the country.

6. **Rainfall Last 24 Hours.** Attached as **Annex B.**

7. **Weather Alert / Advisory / Press Release.** Pakistan Meteorological Department (PMD) has informed that strong monsoon currents are continuously penetrating the Country and likely to shift and intensify in Upper & Central Parts of the Country from 27 July (Wednesday), under the influence of this system, following is expected: -

- a. **Islamabad Capital Territory.** Rain-wind / thundershowers with scattered heavy falls expected with occasional gaps from **27-31 July (Wednesday-Sunday).**
- b. **Balochistan.** Rain-wind / thundershowers with few heavy falls expected in Barkhan, Bolan, Chaman, Harnai, Jaffarabad, Kalat, Khuzdar, Kohlu, Lasbela, Loralai, Naseerabad, Quetta, Sibbi, Zhob and Ziarat with occasional gaps from **27-31 July (Wednesday-Sunday).**
- c. **Khyber Pakhtunkhwa.** Rain-wind / thundershowers with scattered heavy falls expected in Abbottabad, Bannu, DI Khan, Haripur, Kohat, Kohistan, Kurram, Lakki Marwat, Mansehra, Mardan, Nowshera, Peshawar, Swabi and Swat with occasional gaps from **27-31 July (Wednesday-Sunday).**
- d. **Punjab.** Rain-wind / thundershowers with scattered heavy falls expected in

Attock, Bahawalnagar, Bahawalpur, Bhakkar, Chakwal, DG Khan, Faisalabad, Gujranwala, Gujrat, Hafizabad, Jhang, Jhelum, Khanpur, Khushab, Lahore, Layyah, Mandi Bahauddin, Mianwali, Multan, Murree, Narowal, Okara, Rahim Yar Khan, Rajanpur, Rawalpindi, Sahiwal, Sargodha, Sheikhpura and Sialkot with occasional gaps from **27-31 July (Wednesday-Sunday)**.

- e. **Sindh**. Rain-wind / thundershowers with few heavy falls expected in Dadu, Jacobabad, Larkana and Sukkur from **27-31 July (Wednesday-Sunday)**.
- f. **Gilgit Baltistan**. Rain-wind / thundershowers with scattered heavy Is expected in Gilgit Baltistan with occasional gaps from **27-31 July (Wednesday-Sunday)**.

8. **Flood Warning / Alert**

- a) River Kabul at Nowshera is in Medium Flood Level.
- b) River Indus at Tarbela, Kalabagh, Chashma, Taunsa, Guddu & Sukkur are in Low flood level.
- c) High level flooding is expected in River Kabul at Nowshera & its Tributaries during next 24-Hours. Light to moderate level flooding is expected in the Hill Torrents of DG Khan Division and Nullahs of Rivers Ravi & Chenab during next 24-hours.

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	1.590 (21 Jul)	1591.65 (24 Jul)	34146 (24 Jul)	11800 (24 Jul)
b.	Pong Dam River Beas	1390	4.991	1.291 (21 Jul)	1320.67 (24 Jul)	16438 (24 Jul)	1510 (24 Jul)
c.	Thein Dam River Ravi	1732	1.900	0.801 (21 Jul)	1665.70 (21 Jul)	Not Available	Not Available

Source: Ministry of Water Resources, Office of PCIW (reported as dated above).


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RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION

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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	351,000	165,000	303,000	252,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	297,000	290,000	272,000	268,000	Low Flood (S)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	298,000	289,000	364,000	356,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	193,000	172,000	299,000	293,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	149,000	108,000	312,000	286,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	46,000	262,000	222,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	63,000	26,000	141,000	115,000	Normal	650,000
River Kabul									
• Warsak	540,000				45,000		41,000	Low Flood (F)	200,000
• Nowshera		450,000	29-07-2010		68,000		99,000	Med Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		18,000		17,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		16,000		18,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		11,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	11,000	52,000	11,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	4,000	NIL	14,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	106,000	91,000	94,000	77,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	119,000	113,000	80,000	73,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	86,000	66,000	86,000	67,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	123,000	107,000	111,000	103,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	28,000	12,000	97,000	92,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		11,000		15,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	53,000	25,000	45,000	27,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	26,000	9,000	19,000	16,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	2,000	13,000	8,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	8,000	7,000	Normal	175,000

Note. All data in Thousands of Cusecs

SIGNIFICANT RAINFALL REPORTED LAST 24 HOURS

Stations	Rainfall (mm)
Punjab	
Mangla	45
Islamabad	(Bokra 39, Airport 36, Saidpur 32, Zero Point 27, Golra 22)
Rawalpindi	(Chaklala 40, Shamsabad 11)
Jhelum	39
Sialkot	(City 21, A/P 12)
Mandi Bahaudin	29
Gujranwala	26
Hafizabad	22
D.G.Khan	City 19, Vehova 03, Fort Munro 02 & Zain Sanghar Nullah Trace
Sahiwal	16
Kasur	15
Lahore	(City 03, A/P Trace)
Toba Tek Singh	05
Gujrat	04
Murree, Jhang	03
Bahawalnagar	02
Bhakkar, Layyah	Trace
Balochistan	
Zhob	45
Lasbella	17
Sibbi	12
Barkhan, Loralai	03
Khuzdar	02
Dalbandin	Trace
Kashmir	
Garhi Dupatta	25
Kotli	22
Bandi Abbaspur	10
Rawalokot, Haraman	03
Muzaffarabad	(City 05)
Dhulli	02
Chakothei	01
Barnala, Chattar Kalas	Trace
Khyber-Pakhtunkhwa	
Dir (Upper)	19
Takht Bhai	10
Cherat	06
Mardan	04
Bannu	03
Saidu Sharif	02
Kalam, Pattan, Mohmand (Ghalanai)	01
Drosh, Kakul	Trace
Gilgit-Baltistan	
Bunji	05
Bagrote	04
Skardu	02
Astore	01
Sindh	
Larkana, Mithi	01
Karachi	Trace
Jacobabad	Trace