

MOST IMMEDIATE / BY FAX

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



Dated: 23 July 2022

Subject: **NDMA Monsoon 2022 Daily Situation Report No 039**

NDMA Monsoon 2022 Daily Situation Report No 039, covering period from 1300 hours on 22 July 2022 to 1300 hours 23 July 2022 is enclosed for information / necessary action, please.

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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
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 Director (Logistics), NDMA
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 Director (P&IC), NDMA
 Director (Admin), NDMA
 Director (Finance), NDMA
 Director (Media & IT), NDM
 APS to Chairman, NDMA



MONSOON 2022 DAILY SITUATION REPORT NO – 039

(Period Covered: 1300 hrs 22 July 2022 – 1300 hrs 23 July 2022)

1. **Area Affected (Last 24 Hours)**

Ser	Prov/ State	Daily Incidents
a.	ICT	NTR
b.	Balochistan	NTR
c.	Khyber Pakhtunkhwa	<p><u>District Mardan.</u> 2 x House FD, 1 x House PD due to heavy rains.</p> <p><u>District Peshawar.</u> 1 x Death, 1 x House FD, 1 x House PD due to heavy rains.</p> <p><u>District Charsadda.</u> 1 x Injured, 1 x House PD due to heavy rains.</p> <p><u>District Bajaur.</u> 3 x Injured due to gusty winds.</p> <p><u>District Haripur.</u> 3 x Houses PD due to heavy rains.</p> <p><u>District DI Khan.</u> 7 x Houses PD due to heavy rains.</p> <p><u>District S. Waziristan.</u> 2 x Houses FD due to heavy rains.</p> <p><u>District Tank.</u> 9 x Houses PD due to heavy rains.</p> <p><u>District Hangu.</u> 6 x Houses PD due to heavy rains.</p>
d.	Punjab	<p><u>District Muzaffargarh.</u> 5 x Injured, 1 x House PD due to heavy rains.</p> <p><u>District Faisalabad.</u> 2 x Injured, 2 x House PD due to heavy rains.</p> <p><u>District Multan.</u> 24 x Injured, 10 x Houses PD due to heavy rains.</p> <p><u>District Chiniot.</u> 15 x Injured, 2 x Houses PD due to heavy rains.</p> <p><u>District Layyah.</u> 4 x Injured, 3 x Houses PD, 2 x Cattle Lost due to heavy rains.</p> <p><u>District Bhakkar.</u> 1 x Injured, 1 x House PD due to heavy rains.</p> <p><u>District Okara.</u> 4 x Injured due to heavy rains.</p> <p><u>District Jhang.</u> 1 x Death due to lightning strike.</p> <p><u>District Sialkot.</u> 3 x Injured, 1 x House PD due to heavy rains.</p>
e.	Sindh	NTR
f.	Gilgit Baltistan	<u>District Nagar.</u> Flash Flood in Hopar Valley causing damage to 16 x Water Supply Headworks, Nullah channel damaged and crops. No loss of life occurred.
g.	AJ&K	NTR

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	-	-	1	-	-	-	-
Balochistan	39	28	32	99	42	04	11	57
Khyber Pakhtunkhwa	15	15	31	61	16	20	18	54
Punjab	43	02	15	60	75	39	21	135
Sindh	29	04	37	70	12	07	08	27
Gilgit Baltistan	01	04	03	08	03	-	-	03
AJ&K	04	01	-	05	04	04	-	08
TOTAL	132	54	118	304	152	74	58	284

b. **Summary of Damages of Infrastructure & Private Properties**

Provinces / State	Road	Bridge	Shop	Houses			Livestock
				PD	FD	TOTAL	
ICT	-	-	-	-	-	-	-
Balochistan	580 km	11	-	2987	3065	6052	712
KP	6.5 km	-	-	1975	431	2406	208
Punjab	-	-	-	34	1	35	12
Sindh	2 km	-	-	82	83	165	21
GB	2 km	33*	-	173	-	173	-
AJ&K	-	-	5	04	54	58	741
TOTAL	590.5 km	44	5	5255	3634	8889	1694

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

*Includes 18 x Foot Bridges.

Survey of damaged infrastructure is underway and data will be updated on receipt of final reports.

c. **Relief Activities**. NTRd. **Relief Camps Established**. NTRe. **Rehabilitation Activities**

(1) **District Nagar**. Restoration of damaged infrastructure underway at Hopar Valley.

f. **Rescue Activities**. NTRg. **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.	Tarbela	1,550.00	5.882	1503.86	3.380	46.14	2.502
b.	Mangla	1,242.00	7.356	1135.40	2.981	106.6	4.375
c.	Chashma	649.00	0.278	644.00	0.100	5	0.178
Total Storage		-		13.516 (MAF)			
Total Storage till 23 July 2022		-		6.461 (MAF)			
Remaining Storage		-		7.055 (MAF)			

Reference: Federal Flood Commission

5. **Weather Forecast for Next 24 Hours by PMD.** Widespread thunderstorms / rain with scattered **HEAVY TO VERY HEAVY FALLS** expected over Southeast Sindh. Scattered thunderstorms / rain of **moderate intensity with isolated heavy falls** expected over the Upper Catchments of all the Major Rivers along with East Balochistan, rest of Sindh, Islamabad and Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha, Lahore, Gujranwala, Multan and DG Khan Divisions. Isolated thunderstorms / rain is also expected over Faisalabad, Sahiwal & Bahawalpur Divisions.
6. **Rainfall Last 24 Hours.** Attached as **Annex B.**
7. **Weather Alert / Advisory / Press Release.** Pakistan Meteorological Department (PMD) has issued a forecast informing that strong Monsoon currents affecting Upper Parts of the Country is likely to enter Sindh & Northeast / Eastern Balochistan from **22 / 23 July**. Under the influence of this system and possible interaction of moist currents from the North Arabian Sea, following is expected: -
- Balochistan.** Widespread rain-wind/ thunderstorms with **scattered heavy to very heavy falls** are likely to occur in Districts Barkhan, Hub, Sibbi, Jaffarabad, Jhalmagsi, Khuzdar, Kohlu, Lasbela, Naseerabad, Qila Saifullah and along the Kirthar Range **from 24 – 26 July (Sunday-Tuesday)**.
 - Sindh.** Widespread rain-wind/ thunderstorms with **scattered heavy to very heavy falls** are likely to occur in Districts Dadu, Qambar-Shahdadkot and Jamshoro **from 23 – 26 July (Saturday-Tuesday)**.
8. **Flood Warning / Alert.** Medium to High level flooding is still expected in the Hill Torrents of D.G Khan Division during next 48-hours. Heavy to Very Heavy Rains may generate URBAN FLOODING in Karachi, Hyderabad, Thatta, Badin, Shaheed Benazirabad, Jamshoro, Mirpurkhas, Dadu, Umerkot, Jacobabad, Larkana and Sukkur from 24th to 26th July 2022. FLASH FLOODING is also expected in local Nullahs of Loralai, Barkhan, Kohlu, Musakhel, Sherani, Sibbi, Bolan and Hill Torrents of DG Khan Division from 24th to 26th July 2022.

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

Ser	Dam	Full Reservoir Level	Live Storage Capacity at FRL (MAF)	Current Live Storage (MAF) 07-07-2022	Current Level	Inflow	Outflow
a.	Bhakra Dam River Sutlej	1680	5.050	1.084	1573.04	41541	28459
b.	Pong Dam River Beas	1390	4.991	0.782	1308.15	27382	5010
c.	Thein Dam River Ravi	1732	1.900	0.702	1658.71	Not Available	Not Available

Reference: Ministry of Water Resources, Office of PCIW report dated 15 July.

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RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION

RIVERS	Stations	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs. (Inflow)	Qualitative Forecasted Flood Level (Inflow)
		Inflow	Outflow		
INDUS	Tarbela	222.0	107.0	200-230	Below Low
	Kalabagh	166.9	162.5	No significant change	-do-
	Chashma	271.6	261.2	230-260	Low
	Taunsa	188.8	168.5	190-230	Below Low
	Guddu	151.2	124.1	150-180	-do-
	Sukkur	134.9	106.8	No significant change	-do-
	Kotri	102.7	71.5	105-115	-do-
KABUL	Nowshera	52.1	52.1	50-60	-do-
JHELUM	Mangla	30.0	8.8	40-70	-do-
	Rasul	9.4	0.0	No significant change	-do-
CHENAB	Marala	74.7	65.7	90 R 160	Low to Medium
	Khanki	67.6	62.2	70 R 140	Low
	Qadirabad	88.7	69.7	No significant change	Below Low
	Trimmu	31.1	20.6	30-50	-do-
	Punjnad	40.5	33.7	No significant change	-do-
RAVI	Jassar	12.6	12.6	05-15	-do-
	Shahdara	15.4	15.4	15-20	-do-
	Balloki	44.4	23.0	45-55	Low
	Sidhnai	17.2	13.5	No significant change	Below Low
SUTLEJ	G.S.Wala	2.8	2.8	-do-	-do-
	Sulemanki	18.6	12.3	-do-	-do-
	Islam	13.3	12.5	-do-	-do-

R= Rising & F= Falling

Note. All data in Thousands of Cusecs

SIGNIFICANT RAINFALL REPORTED LAST 24 HOURS

Total Rainfall (mm) last 24 hours on Saturday-July 23, 2022 at 0800 PST

Stations	Rainfall (mm)			
Kashmir				
Hajira	81			
Bandi Abbaspur & Haraman	27			
Panjera	09			
Muzaffarabad	City 06 & AP 04			
Rawalakot	03			
Chakothe	01			
Khyber-Pakhtunkhwa				
Balakot	68			
Buner	12			
D.I.Khan	AP 09 & City 05			
Ghalanai	03			
Kakul	Trace			
Punjab				
Faisalabad	(Ghulam Muhammad Abad 51, Madina Town 45, Dogar Basti 19, Gulistan Colony 10, City 05 & Allama Iqbal Colony 03)			
Layyah	24			
Kot Addu	22			
Bhakkar	19			
Gujrat	17			
Sialkot	AP 16 & City 15			
Narowal	13			
Rajanpur	Marri 13 & Bhandu Wala 11			
Mangla	12			
Chakwal	11			
D.G.Khan	(Fort Munro 10, Zain Sanghar Nullah 07, Vehova 01 & D.G.Khan Trace)			
Bahawalpur	City 09, AP 02			
Kasur	09			
Sargodha	04			
Gujranwala & Jhelum	03			
Multan	City 02 & AP 01			
Khanpur	02			
Lahore (City), Khanewal & R.Y.Khan	Trace			
Balochistan				
Ziarat	11			
Kohlu	10			
Khuzdar & Loralai	07			
Muslim Bagh	01			
Sindh				
Karachi	(Gulshan-e-Hadeed 10, Faisal Base 07, North Karachi 06, Orangi, Jinnah Terminal, MOS, Saadi Town 03, DHA, Surjani Town 02, Korangi, University Road, Nazimabad, Quaidabad 01, Masroor Base, Kemari Trace)			
Tandojam	Trace			
Gilgit-Baltistan				
Babusar	Trace			
Maximum Wind Reported				
Station	Wind (kt)	Km/Hr	Direction	Time (PST)
NIL				
Maximum Water Level at Nallah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
NIL				