

MOST IMMEDIATE / BY FAX

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

Dated: **30 July 2022**Subject: **NDMA Monsoon 2022 Daily Situation Report No 046**

NDMA Monsoon 2022 Daily Situation Report No 046, covering period from 1300 hours on 29 July 2022 to 1300 hours 30 July 2022 is enclosed for information / necessary action, please.

(Muhammad Ali Khan)
Director (Response)
 Tel No: 051-9030924
 Fax No: 051-9030729

- 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	<u>District Nushki.</u> Due to heavy rain induced flash floods; Nushki City, Ahmadwal, Qadradabad affected.
c.	Khyber Pakhtunkhwa	<p><u>District Mardan.</u> Heavy rains caused 2 x Deaths, 3 x Injured, 1 x FD House, 6 x PD Houses.</p> <p><u>District Swabi.</u> Heavy rains induced flooding caused 2 x Deaths and 14 x PD Houses.</p> <p><u>District Charsadda.</u> Heavy rains induced flooding caused 71 x FD Houses and 79 x PD Houses.</p> <p><u>District Nowshera.</u> Heavy rains caused 4 x Injured and 1 x PD House.</p> <p><u>District Khyber.</u> Heavy rains caused 23 x PD Houses.</p> <p><u>District Mohmand.</u> Heavy rains induced flood caused 1 x Death, 1 x Injured, 2 x FD Houses and 8 x PD Houses.</p> <p><u>District Bajaur.</u> Heavy rains caused 2 x Injured, 7 x FD Houses and 20 x PD Houses.</p> <p><u>District Buner.</u> Heavy rains caused 4 x PD Houses and 14 x FD Houses.</p> <p><u>District Malakand.</u> Heavy rains caused 1 x PD House.</p> <p><u>District Swat.</u> Heavy rains caused 1 x Death and 1 x FD House.</p> <p><u>District Mansehra.</u> Heavy rains caused 1 x Death, 5 x FD Houses and 13 x PD Houses.</p> <p><u>District DI Khan.</u> Heavy rains induced flooding caused 5 x FD Houses and 5 x PD Houses.</p> <p><u>District S. Waziristan.</u> Heavy rains caused 1 x FD House.</p> <p><u>District Hangu.</u> Heavy rains caused 2 x FD Houses and 4 x PD Houses.</p>
d.	Punjab	<p><u>District Jhelum.</u> Due to heavy rains, wall of mosque collapsed causing 3 x Deaths and 19 x Injuries.</p> <p><u>District Muzaffargarh.</u> Due heavy rains, 3 x Injured 2 x PD Houses.</p> <p><u>District Mandi Bahauddin.</u> Due to heavy rains 1 x Death, 1 x Injured and 1 x PD House.</p> <p><u>District DG Khan.</u> Due to heavy rain induced flooding, 4 x Deaths due to drowning.</p> <p><u>District Multan.</u> Due to heavy rains, 1 x PD House.</p>
e.	Sindh	<p><u>District Dadu.</u> 1 x Death due to drowning in Nai Gaj, Haji Khan.</p> <p><u>District Qambar-Shahdadkot.</u> 1 x Death due to electrocution.</p>
f.	Gilgit Baltistan	<p><u>District Hunza.</u> Increased water flow in Hasanabad Nullah caused erosion along approaches to Irish Crossing bridge. Traffic suspended, diverted through Nagar.</p> <p><u>District Nagar.</u> Flash flooding caused debris slide on KKH at Sikandarabad, resultantly KKH is blocked.</p>
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	0	0	1	0	0	0	0
Balochistan	46	32	42	120	46	10	14	70
Khyber Pakhtunkhwa	23	16	42	81	23	34	26	83
Punjab	56	15	30	101	150	90	34	274
Sindh	43	06	51	100	24	17	20	61
Gilgit Baltistan	01	04	03	8	03	0	0	03
AJ&K	07	01	0	08	05	04	0	09
TOTAL	177	74	168	419	251	155	94	500

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

Prov / State	Roads (km)	Bridges	Shops	Houses			Livestock
				PD	FD	TOTAL	
ICT	-	-	-	-	-	-	-
Balochistan	580	13	-	9,274	3,046	12,320	23,013
Khyber Pakhtunkhwa	6.5	5*	-	2,768	746	3,514	271
Punjab	-	-	01	76	06	82	12
Sindh	408.5	05	06	15,873	2,856	18,729	383
GB	2	38*	-	215	-	215	-
AJ&K	-	-	05	20	60	80	741
TOTAL	997 km	61	12	28,226	6,714	34,940	24,420

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

*Includes 21 x Foot Bridges.

c. **Relief Activities.**

(1) **NDMA.** 200 x Food Packs handed over to DC Rajanpur for flood affectees.

(2) **PDMA Balochistan.** Total of 550 x Tents, 300 x Tarpaulins, 100 x Blankets, 200 x Mosquito Nets, 100 x Gas Cylinders (10kg), 100 x Jerry Cans, 100 x Plastic Mats, 1600 x Food Packs and 20 x Life Jackets in distributed in the last 24 hours in Districts Quetta, Khuzdar, Naseerabad, Jaffarabad, Nushki, Killa Saifullah and Dera Bugti.

d. **Relief Camps Established.** As per PDMA Sindh, 379 x Persons went to 89 x Relief Camps established in affected areas.

e. **Rehabilitation Activities.**

(1) **District Nagar.** Restoration work underway on KKH at Sikandarabad.

f. **Rescue Activities.** NTR.

g. **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	1527.00	4.550	23	1.332
b.	Mangla	1,242.00	7.356	1149.30	1.748	92.70	5.608

c.	Chashma	649.00	0.278	639.00	0.010	10	0.268
Total Storage			–	13.516 (MAF)			
Total Storage till 30 July 2022			–	6.308 (MAF)			
Remaining Storage			–	7.208 (MAF)			

Source: Federal Flood Commission

5. **Weather Forecast for Next 24 Hours by PMD.** 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, Islamabad and Peshawar, Kohat, Bannu, D.I. Khan, Rawalpindi, Sargodha, Gujranwala, Lahore, Sahiwal & 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: -
- Islamabad Capital Territory.** Rain-wind / thundershowers with scattered heavy falls expected with occasional gaps from **27-31 July (Wednesday-Sunday).**
 - 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).**
 - 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).**
 - 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).**
 - Sindh.** Rain-wind / thundershowers with few heavy falls expected in Dadu, Jacobabad, Larkana and Sukkur from **27-31 July (Wednesday-Sunday).**
 - Gilgit Baltistan.** Rain-wind / thundershowers with scattered heavy falls expected in Gilgit Baltistan with occasional gaps from **27-31 July (Wednesday-Sunday).**
8. **Flood Warning / Alert.**
- River Kabul at Nowshera and its associated tributaries / nullahs are expected to reach High to Very High Flood Level during the next 48 hours.
 - Light to Moderate Level Flooding is expected in the Hill Torrents of District DG Khan.
9. **Daily Flood / Base Flow Data Obtained from India.**

Ser	Dam	Full	Live	Current Live	Current	Inflow	Outflow
-----	-----	------	------	--------------	---------	--------	---------

		Reservoir Level	Storage Capacity at FRL	Storage (MAF)	Level		
a.	Bhakra Dam River Sutlej	1680	5.050	1.590 (21 Jul)	1603.45 (29 Jul)	51693 (29 Jul)	17571 (29 Jul)
b.	Pong Dam River Beas	1390	4.991	1.291 (21 Jul)	1327.97 (29 Jul)	69172 (29 Jul)	7006 (29 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).

(Muhammad Ali Khan)
Director (Response)
 Tel No: 051-9030924
 Fax No: 051-9030729

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	323.0	261.8	320-345	Low
	Kalabagh	241.3	237.8	240 R 330	-do-
	Chashma	335.8	327.8	310-340	-do-
	Taunsa	274.0	269.0	275-315	-do-
	Guddu	291.1	267.5	270-290	-do-
	Sukkur	275.0	240.6	260-275	-do-
	Kotri	118.4	91.0	120-140	Below Low
KABUL	Nowshera	101.1	101.1	110-160	High to Very High
JHELUM	Mangla	55.0	11.7	70-110 sharp peak up to high flood level	Medium
	Rasul	11.3	0.0	No significant change	Below Low
CHENAB	Marala	97.5	82.6	80-110	Low
	Khanki	96.8	90.2	70-90	Below Low
	Qadirabad	106.9	87.9	80-105	Low
	Trimmu	93.5	85.5	95 R 165	-do-
	Punjnad	101.8	98.8	100-110	Below Low
RAVI	Jassar	20.9	20.9	15-20	-do-
	Shahdara	26.7	26.7	20-30	-do-
	Balloki	33.1	15.9	40-70	Low to Medium
	Sidhnai	24.4	22.8	No significant change	Below Low
SUTLEJ	G.S.Wala	0.0	0.0	-do-	-do-
	Sulemanki	11.9	6.7	-do-	-do-
	Islam	9.4	9.0	-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 30, 2022 at 0800 PST

Stations	Rainfall (mm)
Khyber-Pakhtunkhwa	
Mardan	126
Mohmand Dam	85
Ghalanai	71
Mamad Gut	38
Khaar-Bajaur	15
Kakul	13
Saidu Sharif	10
Dir	(Upper 04 & Lower 02)
Baca Khan AP	04
Malam Jabba & Peshawar	03
Balakot, Cherat, Tirah Khyber & Bannu	02
Buner	01
D.I.Khan (AP)	Trace
Punjab	
Lahore	(Lakshmi Chowk 103, Shahi Qila 83, Farrukhabad 75, Samanabad 70, Mughalpura 67, Chowk Nakhuda 56, Gulshan-e-Ravi, Upper Mall 50, Gulberg 42, City 39, Iqbal Town 37, Tajpura 20 & Airport 05)
Mangla	65
Attock	58
Jhelum	55
Bahawalnagar	50
Khanewal	31
Islamabad	(Bokra 27, Golra 26, ZP 25, Saidpur 20 & AP 07)
Rawalpindi	(Chaklala AP 27, Kacheri 27 & Shamsabad 23)
Murree	25
Narowal	12
M.B.Din	09
D.G.Khan	(Fort Munro 04 & Zain Sanghar Nullah 02)
Kot Addu & T.T.Singh	07
Chakwal & Layyah	05
Gujrat, Joharabad n& Rajanpur (Marri)	03
Sialkot	(City 02 & AP Trace)
Bahawalpur	(City 01 & AP Trace)
Gujranwala	01
Kasur	Trace
Balochistan	
Kalat	50
Kohlu	31
Chaman	26
Ziarat	21
Muslim Bagh & Quetta	11
Mastung	06
Dalbandin	03
Khuzdar	02
Bar Khan, Loralai & Sibbi	01
Lasbella & Nokkundi	Trace
Kashmir	
Rawalakot	23
Haraman	14
Bandi Abbaspur	05

Muzaffarabad	(AP 05 & City 03)
Dhulli	05
Kotli	04
Garhidupatta, Chattar Kalas & Chakothe	02
Sindh	
Karachi	(Surjani 09, Orangi Town 03, Saddar, Faisal Base, Nazimabad, Kemari 02, MOS, Masroor Base, Quaidabad, Saadi Town, University Road 01, Gulshan-e-Hadeed, Jinnah Terminal, North Karachi, DHA, Gulshan-e-Maymaar & Korangi Trace)
Badin	02
Gilgit-Baltistan	
Bagrote	06
Skardu	01
Babusar	Trace