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



Dated: 02 July 2022

Subject: **NDMA Monsoon 2022 Daily Situation Report No 018**

NDMA Monsoon 2022 Daily Situation Report No 018 covering period from 1300 hours on 01 July 2022 to 1300 hours 02 July 2022 is enclosed for information / necessary action, please.

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 Military Secretary to Prime Minister, Prime Minister's House, Islamabad

Cc: 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
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 Director (SOF & Marines), Naval Headquarters, Islamabad
 Director (Ops), Air Headquarters, Islamabad
 Deputy Commissioner, Islamabad

ID: APS to Member (Ops), NDMA
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 APS to Member (DRR), NDMA
 Director (Logistics), NDMA
 Director (R&R), NDMA
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 Director (P&IC), NDMA
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 Director (Finance), NDMA
 Director (Media & IT), NDMA
 PS to Chairman, NDMA



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



MONSOON 2022 DAILY SITUATION REPORT NO – 018
(Period Covered: 1300 hrs 01 July 2022 – 1300 hrs 02 July 2022)

1. **Area Affected (Last 24 Hours).**NTR
2. **Cumulative Damages/ Relief Activities (14 June to date)**

a. **Summary of Casualty – Injured/ Death (14 June to date)**

Province /Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	02	-	-	02	01	-	-	01
Balochistan	05	10	01	16	21	08	06	35
GB	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-
KP	05	02	06	13	06	09	05	20
Punjab	-	-	-	-	-	-	-	-
Sindh	02		06	08	-	02	03	05
Total	14	12	13	39	28	19	14	61

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

Province/ Rgn Wise	Road	Bridge	Shop	Hotels	Houses		Lives Stock
					PD	FD	
AJ&K	-	-	01	-	01	52	730
Balochistan	1km	05	-	-	15	05	366
GB	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-
KP	-	-	-	-	215	53	139
Punjab	-	-	-	-	-	-	-
Sindh	-	-	-	-	-	-	-
Total	1km	05	01	0	231	110	1,235

Note: PD: Partially Damaged, FD: Fully Damaged

- c. **Relief Activities.** NTR.
 - a. **Relief Camps Established.** NTR.
 - b. **Rescue Activities.** NTR.
 - c. **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	1412.80	0.184	138	5.698
b.	Mangla	1,242.00	7.356	1101.60	0.377	141	6.979
c.	Chashma	649.00	0.278	641.10	0.042	7.9	0.236
Total Storage		-		13.516 (MAF)			
Total Storage till 02 July, 2022		-		0.603 (MAF)			
Remaining Storage		-		12.913 (MAF)			

Reference: 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 South & Southeast Sindh, East Balochistan and Rawalpindi, Gujranwala, Sargodha, Lahore & Faisalabad Divisions. Isolated thunderstorm/rain is also expected in Sahiwal, Bahawalpur & DG Khan Divisions.

6. Rainfall Last 24 Hours. Attached as Annex B

7. Weather Advisory / Press Release. Pakistan Meteorological Department (PMD) has issued a weather advisory informing that monsoon rains have started in parts of Khyber Pakhtunkhwa, NE Punjab and AJ&K with more thundershowers / rains with isolated heavy falls expected in these parts. Furthermore, **strong monsoon currents are likely to enter SE Balochistan & Sindh from tomorrow which will result in heavy to very heavy rainfalls**; details enclosed at **Annex-C**. All concerned Federal Ministries / Departments, respective Provincial Governments, their line departments including PIDs / PDMA's / GBDMA / SDMA, District Administrations / DDMA's, Municipal Administrations and City Administration of major metropolis are advised to ensure following: -

- a. All civic agencies / rescue services (Rescue 1122 / Fire Brigade / Ambulance / Civil Defence) to remain alert and ensure availability of personnel and equipment during the forecasted period, especially in at-risk urban areas in Sindh and Balochistan.
- b. Provision of POL for back-up generators at water pumping stations and timely pre-placement of de-watering pumps to respond to urban flooding in main cities as highlighted in PMD advisory especially Karachi, Hyderabad, Gwadar and Khuzdar.

- c. Mass awareness campaign for general public on urban flooding and associated risks in vulnerable areas on following aspects: -
- 1) Avoid unnecessary movement in such areas.
 - 2) Risk and consequent danger of submerging of vehicles in such inundated low-lying areas.
 - 3) Alerting masses living in low-lying areas to exercise extra caution including community-based alert system.
 - 4) Risk of electrocution during heavy rainfall/urban flooding in major metropolises.
 - 5) Evacuation plan of at-risk communities and its timely evacuation.
- d. Alerting / enforcement of movement of vehicles in areas / nullahs prone to flash floods in Balochistan.
- e. LEAs along with Traffic police to advise travelers regarding likely situations / dangers of waterlogged areas and underpasses.
- f. Coordinate with concerned departments for clearance of roads in case of any blockage / obstruction / closures waterlogging and preplacing of necessary emergency equipment at vulnerable / strategic locations.
- g. Billboards and hoardings are secured from effects of windstorms/ thundershowers.
- h. Local Administration / Police / Rescue Services to alert population residing in low lying areas.
- i. Fishermen of Sindh and Balochistan are advised not to venture out in open sea during the forecast period.
- j. In case of any eventuality, twice-daily updates be shared with NDMA

8. **Flood Warning / Alert.** Heavy rain falls may generate urban flooding in Islamabad, Rawalpindi, Lahore, Gujranwala, Sialkot, and Faisalabad from 2nd to 4th July & in Karachi and Hyderabad from 3rd to 5th July. Likewise, Heavy rain falls may generate flash flooding in local Nullahs/Rivers of Barkhan, Zhob, Sibbi, Panjgur, Kohlu, Naseerabad, Nagarparkar and Dadu. Similarly, Heavy downpour of water may cause urban flooding in Karachi, Hyderabad, Thatta, Badin, Khuzdar, Ormara, Pasni and Gawadar during the forecast period.

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

Ser	Name of Dam	Full Reservoir level	Live storage Capacity at FRL (MAF)	Current live Storage (MAF) 30-06-2022	Current level	Inflow	Outflow
a.	Bhakra Dam River Sutlej	1680	5.050	0.993	1554.14	33511	26013
b.	Pong Dam River Beas	1390	4.991	0.620	1295.27	30769	5948
c.	Thein Dam River Ravi	1732	1.900	0.622	1649.52	Not Available	Not Available

Reference: Ministry of Water Resources, Office of PCIW report dated 01 July, 2022

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Annex A

To NDMA SITREP No-018

Dated 02 July, 2022

RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION

Rivers	Station	Design Capacity	Actual Observed Flow		Forecast for Next 24 hrs (Inflow)	Forecasted Flood Level (Inflow)	Danger Level (V. High Flood)
			Inflow	Outflow			
River Indus	Tarbela	1,500	191.0	126.2	195-225	Below Low	650
	Kalabagh	950	135.0	131.0	No significant change	-do-	650
	Chashma	1,000	150.9	146.5	-do-	-do-	650
	Taunsa	1,000	99.2	93.5	-do-	-do-	650
	Guddu	1,200	72.6	56.1	-do-	-do-	700
	Sukkur	900	57.5	23.7	-do-	-do-	700
	Kotri	875	19.3	0.3	-do-	-do-	650
River Kabul	Nowshera	540	39.5	39.5	-do-	-do-	200
River Jhelum	Mangla	1,060	43.0	10.5	40-70	-do-	225
	Rasul	850	27.1	5.3	No significant change	-do-	225
River Chenab	Marala	1,100	76.7	55.7	60-80	-do-	400
	Khanki	1,100	60.1	53.1	55-65	-do-	400
	Qadirabad	900	65.8	43.8	60-70	-do-	400
	Trimmu	875	24.1	6.6	25-40	-do-	450
	Punjnad	865	6.9	0.0	No significant change	-do-	450
River Ravi	Jassar	275	2.6	2.6	-do-	-do-	150
	Shahdara	250	2.0	2.0	-do-	-do-	135
	Balloki	380	18.5	0.0	-do-	-do-	135
	Sidhnai	150	12.3	0.0	-do-	-do-	90
River Sutlej	G.S. Wala	-	0.03	0.03	-do-	-do-	50
	Sulemanki	325	9.9	0.0	-do-	-do-	175
	Islam	300	0.5	0.0	-do-	-do-	175

Note. All data in Thousands of Cusecs

SIGNIFICANT RAINFALL REPORTED LAST 24 HOURS BY PMD

Stations	Rainfall (mm)
Khyber -Pakhtunkhwa	
Buner	23
Malam Jabba	13
Cherat	10
Balakot	06
Mohmand Dam	03
Lower Dir & Pasht Bajaur	01
Bacha Khan A/P, Peshawar City, Takht Bai and Kakul	Trace
Punjab	
Bahawalnagar	20
Narowal	10
Lahore	Shahi Qila 04, City, Gulberg, Lakshmi Chowk, Farrukhabad 03, Gulshan-e-Ravi, Iqbal Town, Samanabad 02, Upper Mall, Mughalpura, Tajpura, Chowk Nakhuda, Airport 01
M B Din & Sialkot A/P	03
Multan	A/P 02 & City Trace
Gujranwala	02
Islamabad	Bokra 01, Zero Point & A/P Trace
Chakwal, Hafizabad, Sahiwal & Gujrat	01
Bahawalpur,(A/P and City), Mangla, Sargodha and Okara	Trace
Balochistan	
Barkhan	13
Kohlu	11
Khuzdar & Ziarat	02
Azad Jamu & Kashmir	
Haraman	11
Muzaffarabad	A/P 07 & City 05
Garhi Dupatta	04
Bandi Abbaspur & Tandali	01
Sindh	
Mithi	05
Badin, Tando Jam, Larkana, Karachi, and Hyderabad	Trace
Gilgit-Baltistan	
Nil	

TORRENTIAL RAINS LIKELY IN SINDH AND BALOCHISTAN

Pakistan Meteorological Department (PMD) has informed that strong monsoon currents are likely to enter Southeastern Balochistan and Sindh from tomorrow (Saturday, 2 July 2022), under influence of this system following is expected: -

Balochistan

- Rain-thundershowers with heavy to very heavy falls expected in Awaran, Barkhan, Khuzdar, Kohlu, Lasbela, Naseerabad and Panjgur from 2-5 July 2022 (Saturday to Tuesday).
- Rain-thunderstorms with a few heavy falls expected in Dalbandin, Gwadar, Kalat, Mastung, Nokkundi, Nushki, Ormara, Pasni, Qila Saifullah, Quetta and Zhob during the period (2-5 July 2022, Saturday to Tuesday).

Sindh

- Rain-thundershowers with heavy to very heavy falls expected in Badin, Dadu, Hyderabad, Jamshoro, Karachi, Mirpurkhas, Sanghar, Tando Allayar, Tando Muhammad Khan, Tharparkar, Thatta and Umerkot from 2-5 July 2022 (Saturday to Tuesday).
- Rain-thundershowers with isolated heavy falls expected in Ghotki, Kashmore, Khairpur, Larkana, Naushero Feroze, Shaheed Benazirabad, Shikarpur, Sukkur and Qambar Shahdadkot during the period (2-5 July 2022, Saturday to Tuesday)