



MONSOON 2021 DAILY SITUATION REPORT NO – 051

(Period Covered: 1300 Hrs 19 August 2021 – 1300 Hrs 20 August 2021)

1. Area Affected (Last 24 Hours).

Ser	Province / Rgn	Daily Incident
a.	ICT	<i>Nothing to Report (NTR)</i>
b.	Balochistan	
c.	Khyber Pakhtunkhwa	2 x houses partially damaged in District Khyber due to rain, wherein 2 x children died and 2 x persons got injured.
d.	Punjab	<i>NTR</i>
e.	Sindh	
f.	AJ&K	
g.	Gilgit Baltistan	<ul style="list-style-type: none"> Babusar Road is open for all types of traffic. KKH is open for types of traffic except Tatta Pani Section which is still under progress. Reconstruction work of Badswat bridge is in progress.

2. Cumulative Damages (1 July to date)

a. Summary of Casualty – Injured/ Death

Province / Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	4	2	2	8	1	2	1	4
Balochistan	13	3	-	16	12	-	-	12
GB	3	2	1	6	-	-	-	-
ICT	-	1	1	2	-	-	-	-
KP	15	1	13	29	35	12	15	62
Punjab	37	3	2	42	104	-	2	106
Sindh	-	-	3	3	-	-	-	-
Total	72	12	22	106	152	14	18	184

b. Summary of Damages of Infrastructure & Private Properties

Province/ Rgn Wise	Road	Bridge	Shop	Hotels	Masjid	Houses		Power Houses
						PD	FD	
AJ&K	-	-	2	3	-	1	30	-
Balochistan	6	1	-	-	-	114	45	-
GB	6	6	20	-	-	-	15	1
ICT	-	-	-	-	-	-	-	-
KP	1	2	-	-	-	86	6	-
Punjab	-	-	-	-	-	30	11	-
Sindh	-	-	-	-	-	-	150	-
Total	13	9	22	3	-	231	257	1

Note: PD: Partially Damaged, FD: Fully Damaged

Details of bridges is attached at **Annex A.**

3. **Flood Relief Activities**

- a. **Relief Camps Established**. NTR.
- b. **Rescue Activities**. NTR.
- c. **Aviation Activities**. NTR.
- d. **Relief Activities**. NTR.

4. **Threat to Next Likely Areas**. NTR.

5. **River Discharges**. As per FFD, all the Major Rivers are flowing below "Flood Limits".

Details of river discharges is attached as **Annex B**.

6. **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	1,541.99	5.424	8.01	0.458
b.	Mangla	1,242.00	7.356	1,202.60	4.499	39.4	2.857
c.	Chashma	649.00	0.278	646.60	0.173	2.4	0.105
Total Storage		-		13.516 (MAF)			
Total Storage till 20 Aug 2021		-		10.096 (MAF)			
Remaining Storage		-		3.42 (MAF)			

Reference: Federal Flood Commission

7. **Weather Forecast for Next 24 Hours by PMD**. Scattered thunderstorm/rain of Moderate intensity is expected over the upper catchments of Rivers Indus, Kabul & Jhelum along with Peshawar, Kohat, Bannu & Rawalpindi Divisions and Islamabad. Isolated thunderstorm/rain is expected over the upper catchments of Rivers Chenab, Ravi & Sutlej along with Gujranwala, Sargodha, Lahore & Bahawalpur Divisions.

8. **Rainfall Last 24 Hours**. Attached as **Annex C**.

9. **Weather Advisory / Press Release**. In response to PMD weather alert NDMA has issued weather advisory to all concerned on 17th August 2021 that strong monsoon currents are likely to penetrate in upper parts of the country from Thursday and likely to continue till Saturday (19th – 20th August 2021). Under the influence of this weather system, following is predicted: -

- a. Rain-wind-thundershower (with isolated heavy falls) is expected in Kashmir, Islamabad, Rawalpindi, Attock, Chakwal, Jhelum, Gujrat, Mandi Bahauddin, Sialkot, Narowal, Gujranwala, Hafizabad, Lahore, Okara, Faisalabad, Sargodha, Mianwali, Jhang, Toba Tek Singh, Bhakkar, Layyah, Sahiwal, Bahawalnagar, Kohistan, Shangla, Mansehra, Abbottabad, Haripur, Mardan, Charsadda, Nowshera, Dir, Chitral, Peshawar, Kohat, Waziristan, Tank, Karak, Bannu, D.I. Khan and Gilgit-Baltistan (Ghizer, Astore, Diamir, Skardu, Gilgit,

Hunza, Nagar, Ghanche and Kharmang)with occasional gaps from Thursday (night)) to Saturday (19th – 20th August 2021).

- b. Rain-wind-thundershower is also expected in, Dera Ghazi Khan, Rajanpur, Khanpur, Rahimyar Khan, Multan, Bahawalpur, Naseerabad, Jaffarabad, Kohlu, Loralai, Barkhan, Zhob, Khuzdar and Kalat from Friday (evening) and Saturday (20th – 21th August 2021).

10. **Flood Warning / Alert.** NTR.

11. **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) 12-08-21	Current Level	Inflow	Outflow
a.	Bhakra Dam River Sutlej	1680	5.050	2.205	1615.37	33,909	21,515
b.	Pong Dam River Beas	1400	4.991	1.889	1335.32	12,992	13,411
c.	Thein Dam River Ravi	1732	1.900	0.821	1667.60	Not available	Not available

Reference: Ministry of Water Resources, Office of PCIW report dated 17 August 2021.

DETAILS OF DAMAGED BRIDGES

Khyber Pakhtunkhwa.

- 2 x Bridges i.e. Ayub bridge & Nowshera bridge were damaged in District Abbottabad on 11 July 2021.

Balochistan.

- 1 x Bridge was damaged in District Sibbi on 20th July 2021.

Gilgit Baltistan.

Foot/ Wooden Bridges:

- Chirah Wooden suspension Bridge (pedestrian bridge) got damaged in District Gilgit on 28th July 2021.
- 1 x Wooden Bridge at Yashkuk glacier got damaged in District Hunza on 30th July 2021.
- 1 x Wooden Bridge on Road Zoodkhun to Ziarat got damaged in District Hunza on 31 July 2021.

Road Bridges:

- 1 x Truss Bridge about 40 ft span on Road Zoodkhun to Ziarat got damaged in District Hunza on 31 July 2021.
- Bailey Bridge on Thogmus nullah got damaged in District Ghanche on 29th July 2021.
- Sholja Bridge got damaged in District Ghizer on 30th July 2021.
- 1 x Bridge got damaged in Badswat, Ishkoman Valley on 16th July 2021.
- Mirmalik Bridge got damaged in District Astore on 28th July 2021.

Annex B

To NDMA SITREP No-051

Dated 20 August 2021

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	111.0	144.1	110-115	Below Low	650
	Kalabagh	950	177.3	169.3	No significant change	-do-	650
	Chashma	1,000	184.4	169.8	-do-	-do-	650
	Taunsa	1,000	169.5	140.7	-do-	-do-	650
	Guddu	1,200	121.5	90.0	-do-	-do-	700
	Sukkur	900	81.4	32.0	-do-	-do-	700
	Kotri	875	36.3	0.8	-do-	-do-	650
River Kabul	Nowshera	540	27.9	27.9	-do-	-do-	200
River Jhelum	Mangla	1,060	23.0	33.7	20-40	-do-	225
	Rasul	850	26.8	11.9	No significant change	-do-	225
River Chenab	Marala	1,100	48.8	13.0	45-55	-do-	400
	Khanki	1,100	13.0	5.6	No significant change	-do-	400
	Qadirabad	900	14.6	0.0	-do-	-do-	400
	Trimmu	875	25.1	11.6	-do-	-do-	450
	Panjnad	865	12.9	0.0	-do-	-do-	450
River Ravi	Jassar	275	3.6	3.6	-do-	-do-	150
	Shahdara	250	20.1	20.1	-do-	-do-	135
	Balloki	380	23.5	0.0	-do-	-do-	135
	Sidhnai	150	15.8	0.0	-do-	-do-	90
River Sutlej	G.S. Wala	-	0.0	0.0	-do-	-do-	50
	Sulemanki	325	14.5	2.0	-do-	-do-	175
	Islam	300	0.7	0.0	-do-	-do-	175

Note. All data in Thousands of Cusecs

Annex C

To NDMA SITREP No-051

Dated 20 August 2021

SIGNIFICANT RAINFALL REPORTED LAST 24 HOURS BY PMD

Stations	Rainfall (mm)
Punjab	
Islamabad	Golra 14, Saidpur 02 & Z/P 01)
Attock	03
Balochistan	
Nil	
Khyber Pakhtunkhwa	
Cherat	19
Malam Jabba	14
Pattan	07
Buner	06
Peshawar City	04
Saidu Sharif & Besham	02
Upper Dir & Thakhtbai	01
Gilgit Baltistan	
Nil	
AJ&K	
Garidupatta	09
Haraman	01
Sindh	
Nil	