



MONSOON 2021 DAILY SITUATION REPORT NO – 021
(Period Covered: 1300 Hrs 20 July 2021 – 1300 Hrs 21 July 2021)

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

Ser	Province / Rgn	Daily Incident
a.	ICT	Nothing to Report (NTR)
b.	Balochistan	
c.	Khyber Pakhtunkhwa	Due to rain in District Abbottabad, 1 x house partially damaged. However, no human loss reported.
d.	Punjab	Due to rain and building collapse, following deaths/ injuries are reported: <ul style="list-style-type: none"> • 2 x persons died & 13 x persons got injured in District Faisalabad. • 2 x persons died in District Mianwali. • 1 x person died & 9 x persons got injured in District Lahore. • 1 x person died in District Sialkot. • 5 x persons got injured in District Chiniot. • 3 x persons got injured in District Hafizabad & Nankanasahib. • 2 x got injured in District Mandi Bahauddin, Gujranwala & Sheikhpura.
e.	Sindh	NTR
f.	AJ&K	
g.	Gilgit Baltistan	KKH has been blocked due to flash floods at 9x points from Batsulai (Tatapani) to Lal padi near Raikot bridge. Heavy machinery of FWO has been mobilised and road clearance work is in progress.

2. **Cumulative Damages (1 July todate)**

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

Province/ Rgn Wise	Road	Bridge	Shop	Hotels	Masjid	Houses		Power Houses
						PD	FD	
AJ&K	-	-	-	-	-	-	24	-
Balochistan	6	1	-	-	-	13	5	-
GB	2	1	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-
KP	1	2	-	-	-	25	-	-
Punjab	-	-	-	-	-	6	7	-
Sindh	-	-	-	-	-	-	-	-
Total	9	4	-	-	-	44	36	-

Note: PD: Partially Damaged, FD: Fully Damaged

c. **Summary of Casualty – Injured/ Death**

Province / Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
AJ&K	3	2	-	5	1	2	1	4
Balochistan	13	3	-	16	10	-	-	10
GB	2	2	-	4	-	-	-	-
ICT	-	-	-	-	-	-	-	-
KP	9	1	8	18	15	2	10	27
Punjab	14	3	2	19	37	-	-	37
Sindh	-	-	3	3	-	-	-	-
Total	41	11	12	64	63	4	11	78

3. **Flood Relief Activities**

- a. **Relief Camps Established.** NTR.
- b. **Rescue Activities.** NTR.
- c. **Aviation Activities.** 2 x Sorties of Mi 17 had been operated for relief support at village Badswat Ishoman, Gilgit Baltistan on 19 July 2021.
- d. **Relief Activities.** Due to outburst of Glacier at village Badswat Ishoman on 16th July 2021, GBDMA has issued following relief items to the affected people:

Ser	Items	Quantity
1	Tents	13 No
2	Plastic Mats	11 No
3	Foodpacks	170

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

5. **River Discharges.** As per FFC, river Chenab at Khanki and river Kabul at Nowshera are flowing in Low Flood, whereas all other main rivers (Indus, Jhelum, Ravi and Sutlej) are flowing normal. Details of river discharges is attached as **Annex A**.

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	1476.86	2.230	73.14	3.652
b.	Mangla	1,242.00	7.356	1172.65	2.798	69.35	4.558
c.	Chashma	649.00	0.278	642.00	0.058	7	0.22
Total Storage		-		13.516 (MAF)			
Total Storage till 21 July 2021		-		5.086 (MAF)			
Remaining Storage		-		8.43 (MAF)			

Reference: Federal Flood Commission

7. **Weather Forecast for Next 24 Hours by PMD.** Scattered thunderstorm/rain with HEAVY FALLS at isolated places is expected over the upper catchments of all the Major

Rivers along with Rawalpindi, Sargodha, Gujranwala, Lahore, Multan & DG Khan Divisions and Khyber Pakhtunkhwa. Isolated thunderstorm/rain is expected over Faisalabad, Sahiwal & Bahawalpur Divisions.

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

9. **Weather Advisory / Press Release**. In response to PMD weather alert NDMA has issued weather advisory to all concerned on 16th July 2021 that strong monsoon currents are likely to penetrate upper parts of the country from Sunday 18th July and may persist till Wednesday 21st July 2021. Under the influence of this weather system, following is predicted: -

- a. Rain-wind-thundershower (with very heavy/torrential rain) is expected in Kashmir, Islamabad, Rawalpindi, Attock, Chakwal, Jhelum, Gujrat, Mandi Bahauddin, Sialkot, Narowal, Gujranwala, Hafizabad, Lahore, Sheikhpura, Kasur, Okara, Faisalabad, Jhang, Toba Tek Singh, Sargodha, Mianwali, Khushab, Dir, Swat, Buner, Kohistan, Shangla, Mansehra, Abbottabad, Haripur, Mardan, Swabi, Charsadda, Nowshera, Peshawar, Waziristan, Kurrum, Bannu, Kohat, Lakki Marwat, Tank, Karak , Dera Ismail Khan and Gilgit-Baltistan (Ghizer, Astore, Diamer, Skardu, Gilgit, Hunza Nagar, Ghanche and Kharmang) from Sunday 18th July (evening/night) to Wednesday 21st July 2021.
- b. Rain/wind-thundershower (with isolated heavy falls) is expected in Bhakkar, Layyah, Dera Ghazi Khan, Rajanpur, Multan, Khanewal, Sahiwal, Bahawalnagar, Bahawalpur, Rahim Yar Khan, Sibbi, Naseerabad, Jaffarabad, Kohlu, Loralai, Barkhan, Zhob, Musa Khel, Quetta, Ziarat, Harnai, Qila Saifullah, Qila Abdullah, Larkana, Sukkur, Jaccobabad, Tharparker, Sanghar, Umerkot and Mirpurkhas from Monday 19th July (evening) to Thursday 22nd July 2021.
- c. Flood situation (Medium to High) may arise in River Indus, Kabul along with their Tributaries/Nullahs and Hill Torrents of DG Khan Division. Flood situation (High to Very High) may arise in River Jhelum (upstream), Chenab along with their associated Tributaries/Nullahs from 20th July 2021.
- d. Torrential rains may generate flash flooding in Local/Barsati Nullahs of Shangla, Buner, Batgram, Mansehra, Balakot, Abbottabad, Swat, Kohistan, Mardan, Charsadda, Kohat, Kashmir, Islamabad/Rawalpindi, Sialkot, Narowal and hill torrents of Dera Ghazi Khan, from Monday 19th July 2021 to Wednesday 21st July 2021.

10. **Flood Warning / Alert**. As per FFD, following flood situations are expected from 20th to 21st July 2021:

- a. Flood situation (**Medium**) is expected in Rivers Indus, Kabul along with their Tributaries/Nullahs.
- b. Flood situation (**Very High to Exceptional High**) is expected in River Jhelum (upstream) along with its associated Tributaries/Nullahs.
- c. Flood situation (**High to Very High**) is expected in River Chenab along with its associated Tributaries/Nullahs.
- d. Flood situation (**Medium to High**) is also expected in Tributaries/Nullahs of River Ravi.

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) 15-07-21	Current Level	Inflow	Outflow
a.	Bhakra Dam River Sutlej	1680	5.050	1.054	1553.7	45,949	29,205
b.	Pong Dam River Beas	1400	4.991	0.620	1299.94	29,590	5,011
c.	Thein Dam River Ravi	1732	1.900	0.340	1638.10	Not available	Not available

Reference: Ministry of Water Resources, Office of PCIW report dated 19 Jul 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	277.0	107.9	250-280	Low	650
	Kalabagh	950	225.6	221.6	230-270	-do-	650
	Chashma	1,000	250.0	236.0	230-270	-do-	650
	Taunsa	1,000	196.6	168.5	200-235	Below Low	650
	Guddu	1,200	154.3	112.1	No significant change	-do-	700
	Sukkur	900	94.4	40.1	-do-	-do-	700
	Kotri	875	24.5	0.5	-do-	-do-	650
River Kabul	Nowshera	540	86.8	86.8	70-100	Low to Medium	200
River Jhelum	Mangla	1,060	70.0	8.3	60-80	Low	225
	Rasul	850	8.6	0.0	No significant change	Below Low	225
River Chenab	Marala	1,100	108.5	81.7	90-110	Low	400
	Khanki	1,100	135.6	129.6	100-130	-do-	400
	Qadirabad	900	98.4	78.4	100-130	-do-	400
	Trimmu	875	30.4	14.2	No significant	Below Low-	450
	Panjnad	865	25.1	10.5	-do-	-do-	450
River Ravi	Jassar	275	14.6	14.6	10-20	-do-	150
	Shahdara	250	35.0	35.0	No significant change	-do-	135
	Balloki	380	40.5	13.8	40-50	Low	135
	Sidhnai	150	17.0	1.3	No significant change	Below Low-	90
River Sutlej	G.S. Wala	-	0.0	0.0	-do-	-do-	50
	Sulemanki	325	14.7	3.8	-do-	-do-	175
	Islam	300	2.0	0.8	-do-	-do-	175

Note. All data in Thousands of Cusecs.

Annex B

To NDMA SITREP No-021
Dated 21 July 2021

SIGNIFIANT RAINFALL REPORTED LAST 24 HOURS BY PMD

Stations	Rainfall (mm)
Punjab	
Faisalabad	118
Hafizabad	91
Gujranwala	81
Islamabad	(Saidpur80, Golra 76, Z/P 38, A/P & Bokra 01)
Joharabad	71
Lahore	(A/P 66 & City 48)
Jhang	57
T T Singh	55
Noorpur Thal, Narowal & Okara	46
Sialkot	(City 32 & A/P 31)
Kasur	32
Sargodha	28
Mandi Bahaudin	25
Bhakkar	23
Sahiwal	22
Gujrat	20
Kot Addu	12
Murree	11
D G Khan	(Zain Sanghar Nullah 10 & Fort Munro 05)
Rawalpindi	(Shamsabad 09 & Chaklala 04)
Layyah	09
Jhelum & Mangla	07
Khanewal	06
Chakwal	03
Multan	02
Bhoun (Chakwal)	01
Balochistan	
Kohlu	03
Khyber Pakhtunkhwa	
Malamjabba	68
Besham	40
Kakul	22
Balakot, Kalam & Pattan	18
Parachinar	10
D I Khan	(A/P 09 & City 08)
Bannu	07
Dir	(Lower 05 & Upper 04)
Mirkhani	05
Buner	03
Drosh, Mohmand Dam & Saidu Sharif	02
Peshawar	(A/P 01 & City Trace)
Gilgit Baltistan	
Bagrote	22
Babusar	19
Gupis	16
Shisper Glacier	11
Bunji & Gilgit	09

Astore	01
AJ&K	
Bandi Abbaspur	36
Panjera	30
Muzaffarabad	18
Chattar Kalas & Kotli	13
Brarkot	12
Chakothe & Rawalakot	10
Tandali	09
Garhi Dupatta	05
Barnala	04
Sindh	
Mithi	01