



**Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Advisor/  
Chairman, Federal Flood Commission**

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**DAILY WEATHER & FLOOD SITUATION REPORT  
WEDNESDAY JULY 28, 2021**

Good monsoon rains are being experienced particularly in Khyber Pakhtunkhwa, Punjab and AJ&K over the last 48 to 72 hours. At present, all main rivers of the Indus River System are flowing Normal with no riverine flood situation. **Annexure-I** is referred for main river's inflows & outflows alongwith reservoir's storage position at 0600 hours today. **Owing to healthier rainfall in the catchment areas of the Western Rivers (Indus, Jhelum & Chenab), appreciable increase in the storage of country's major reservoirs during last 2 weeks is being experienced. Today's Combined Live Storage of major reservoirs (Tarbela, Mangla & Chashma) is 6.832 MAF (i.e. 50.54% of the total value of 13.516 MAF).**

2. According to FFD, Lahore, a fresh Monsoon Low has developed over Northern Bay of Bengal (India) with moderate moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country up to 5000 feet. Yesterday's trough of Westerly Wave over Northern parts of Afghanistan is now prevailing over Northern parts of Pakistan with Seasonal Low continues to persist over Northern Balochistan

3. For the ensuing 24 hours, fairly widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** has been predicted by the FFD, Lahore over Rawalpindi, Gujranwala, Sargodha & Lahore Divisions of Punjab Province including upper catchments of all main rivers. For the same period, scattered thunderstorm/rain with one or two **Heavy Falls** may also occur over Faisalabad, Sahiwal, Multan, Bahawalpur & D.G. Khan Divisions (Punjab) and Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa. As a consequence, **Low to Medium** level Flood is expected in the Nullahs of **rivers Chenab & Ravi**. During the last 24 hours Islamabad City has experienced heavy rains (123 mm). Details of prominent rainfall events for the past 24 hours may be seen at **Annexure-II**.

**Lai Nullah Flood Situation**

4. Owing to heavy rainfall in the twin cities of Islamabad-Rawalpindi, **High Flood Flows were generated in Lai Nullah and water level at Kattarian Bridge was 21 feet at 0810 hours (Evacuation Level) and 17 feet at Gawal Mandi Bridge at 0910 hours (Evacuation Level) this morning.** WASA and District Administration with the help of Pak Army and Rescue-1122 are engaged in ensuring all precautionary measures.

5. All concerned authorities are strictly advised to remain **ALERT on ROUND-THE-CLOCK BASIS**, closely monitor the weather and flood situation and ensure fool proof precautionary measures well in time to avoid any loss of precious human lives and damage to important installations including public & private properties.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all the concerned informed through FFD, Lahore.

(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad..
5. Secretary, Ministry of Climate Change, Islamabad.

## **Distribution:**

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9. Chief Executive Officer, Pakistan Railways, Lahore
10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
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20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
43. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 28-07-2021

## Rivers and Reservoir Positions July 28, 2021 at 0600 Hours

### A. River Flow Situation:

Structures	Designed Capacity	Last Year Flow		Today Actual Flow		Comparative Danger (VHF) Classification	Flood Classification* (Based on today's Outflow)
		Inflow	Out Flow	In Flow	Out Flow		
1	2	3	4	5	6	7	8
<b>River Indus</b>							
▪ Tarbela Reservoir	1,500,000	172,000	134,000	273,000	142,000	650,000	Normal
▪ Kalabagh	950,000	203,000	195,000	171,000	163,000	650,000	Normal
▪ Chashma Reservoir	950,000	194,000	187,000	214,000	201,000	650,000	Normal
▪ Taunsa	1,000,000	197,000	174,000	172,000	151,000	650,000	Normal
▪ Guddu	1,200,000	159,000	121,000	161,000	118,000	700,000	Normal
▪ Sukkur	900,000	116,000	59,000	112,000	56,000	700,000	Normal
▪ Kotri	875,000	68,000	33,000	44,000	3,000	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		32,000		31,000	200,000	Normal
▪ Nowshera			47,000		48,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			14,000		20,000	150,000	Normal
▪ Munda Head Works	150,000		10,000		13,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		9,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	28,000	21,000	45,000	11,000	225,000	Normal
▪ Rasul	850,000	24,000	16,000	7,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	61,000	30,000	107,000	74,000	400,000	Normal
▪ Khanki	1,100,000	27,000	19,000	79,000	73,000	400,000	Normal
▪ Qadirabad	900,000	33,000	11,000	81,000	61,000	400,000	Normal
▪ Trimmu	875,000	14,000	NIL	27,000	11,000	450,000	Normal
▪ Panjnad	865,000	32,000	17,000	44,000	28,000	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		9,000		15,000	150,000	Normal
▪ Shahdara	250,000		25,000		36,000	135,000	Normal
▪ Balloki	380,000	42,000	12,000	39,000	10,000	135,000	Normal
▪ Sidhnai	150,000	19,000	7,000	28,000	12,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	16,000	3,000	14,000	2,000	175,000	Normal
▪ Islam	332,000	8,000	5,000	2,000	1,000	175,000	Normal

### B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-AMSL)	Water Level ( Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1522.75	1460.74	1502.36	5.882	1.633	3.363	57.17 %
Chashma	649.00	638.15	641.00	648.50	643.80	0.278	0.253	0.096	34.53 %
Mangla	1242.00	1050.00	1184.75	1228.90	1183.60	7.356	6.336	3.373	46.00 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>8.222</b>	<b>6.832</b>	<b>50.54 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.8 °C	38.6 °C
Minimum	14.2 °C	20.3 °C

#### NOTES: "Mild" Categories

Low Flood:	River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas
Medium Flood:	River partly inundating river islands/belas
High Flood:	River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

#### "Danger" Categories

Very High Flood (VHF):	River flowing between high banks/bunds with encroachment on the freeboard
Exceptionally High Flood (EHF):	Imminent danger of overtopping/breaching, or the high bank areas have become inundated

\* Flood Classification: (applied on downstream discharge/Outflow)

\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Islamabad	123
2.	Sialkot	103
3.	Gujrat	63
4.	Daulatnagar	58
5.	Narowal	54
6.	Murree	34
7.	Jhelum & Mangla	22 each
8.	Zafarwal	20
9.	Marala	18
10.	Gujranwala	12
11.	Shadiwal	11
12.	Kotnain, Mandibahauddin & Rohtas	06 each
<b>B Khyber Pakhtunkhwa</b>		
13.	Tarbela	69
14.	Mardan	37
15.	Balakot	30
16.	Kakul	18
17.	Malam Jabba	16
18.	Besham	13
19.	Takht Bai	12
20.	Oghi	08
21.	Phulra & Daggar	06 each
<b>C AJ &amp; K</b>		
22.	Kotli	63
23.	Panjera	38
24.	Bandi Abbaspur	28
25.	Chakothe	27
26.	Rawalakot	20
27.	Brarkot	15
28.	Barnala	14
29.	Palote	11
30.	Muzaffarabad, Tandali & Hajira	10 each
31.	Garhi Dopatta	07
32.	Domel & Chattar Kallas	05 each

**Source: FFD, Lahore (Phone No. 042 99200139)**