



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SATURDAY, JULY 15, 2023

Rivers Indus, Jhelum, Chenab and Ravi are flowing under "Normal Flow Condition" except for **River Sutlej** which is presently in **Low Flood** at **Suleimanki** (1st control structure in Pakistan). The inflows/outflows of major rivers at specified control structures including reservoir storage positions have been highlighted at **Annexure-I**. Today's combined live storage of Mangla, Tarbela & Chashma reservoirs is **8.567 MAF** which is **63.73%** of total **13.443 MAF**.

2. According to FFD Lahore, yesterday's trough of **Westerly Wave** over North-eastern Afghanistan today lies over Northern parts of Pakistan. **Moderate Moist Currents** from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet. Moreover, **Well-Marked Seasonal Low** continues to prevail over Northern Balochistan with its trough extending North-eastwards. Also, a **Monsoon Low** is likely to develop over Northern Bay of Bengal.

3. For the next 24 hours, **Scattered Wind Thunderstorm/ Rain** of **Moderate Intensity** with **Isolated Heavy Falls** is expected over **Islamabad, Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G. Khan & Bahawalpur Divisions** of the **Punjab** and **Peshawar, Kohat, Bannu & D.I. Khan Divisions** of **Khyber Pakhtunkhwa** including the upper catchments of all the major rivers of the Indus River System. **Isolated Wind Thunderstorm/Rain** may also occur over **Zhob, Loralai, Sibbi, Nasirabad & Kalat Divisions** of **Balochistan** during the same period.

4. Some notable rainfall events in Punjab, Khyber Pakhtunkhwa and AJ&K have been reported by FFD Lahore during the past 24 hours, for which **Annexure-II** may be referred.

5. **Next One Week Weather Forecast (16th to 22nd July 2023):**

- **Scattered Wind Thunderstorm/ Rain** of **Moderate Intensity** with Isolated Heavy Falls is expected over the upper catchments of all the major rivers from **16th to 22nd July 2023**.

6. **PDMA Punjab**, besides all concerned organizations are advised to remain **Fully Alert & Vigilant**, take prompt actions on warnings issued, **in particular in the context of discharges in River Sutlej**, to ensure safety of communities living in low lying areas, public & private property as well as irrigation, drainage, flood protection & river training infrastructure etc.

7. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) through FFD, Lahore and it is keeping all concerned organizations fully cognizant of the situation.



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

Distribution:

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

Distribution:

7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
48. Director (News), Pakistan Television, Islamabad.
49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2023, dated 15-07-2023

Rivers and Reservoir Positions July 15, 2023 at 0600 Hours

A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	206,000	103,000	150,000	182,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	152,000	150,000	198,000	190,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	264,000	251,000	194,000	189,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	212,000	191,000	204,000	185,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	185,000	165,000	194,000	154,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	129,000	96,000	143,000	88,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	20,000	NIL	69,000	28,000	Normal	650,000
River Kabul									
• Warsak	540,000				33,000		23,000	Normal	200,000
• Nowshera					65,000		39,000	Normal	200,000
River Swat									
• Chakdara Bridge					16,000		12,000	Normal	150,000
• Munda(H. Works)					15,000		12,000	Normal	150,000
• Charsadda Road	150,000				16,000		12,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	31,000	13,000	55,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	17,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	69,000	44,000	77,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	47,000	41,000	54,000	46,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	57,000	35,000	47,000	37,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	41,000	26,000	49,000	36,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	28,000	23,000	36,000	21,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		24,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		20,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	10,000	43,000	26,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	16,000	4,000	24,000	9,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 17.00	29,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	15,000	7,000	73,000	73,000	Low Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	14,000	14,000	Normal	175,000

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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1454.65	1493.70	1515.79	5.809	2.905	3.942	67.86 %
Chashma	649.00	638.15	646.90	649.00	644.00	0.278	0.278	0.100	35.97 %
Mangla	1242.00	1050.00	1162.80	1126.70	1203.00	7.356	0.974	4.525	61.51 %
Total Live Storage						13.443	4.157	8.567	63.73 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	21.8 °C	34.7 °C	12.9 °C
Minimum	12.2 °C	16.4 °C	4.2 °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"

* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission
DAILY WEATHER AND FLOOD SITUATION REPORT
SATURDAY JULY 15, 2023**

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A. Punjab		
1.	Islamabad	[Shamsabad=79, Zeropoint=57, Bokra & Chaklala (Airbase)=39 each, Saidpur=26, New Airport=19 and Golra=16]
2.	Mianwali	44
3.	Sialkot	(Cantt=07, Airport=06)
4.	Attock	06
B. Khyber Pakhtunkhwa		
5.	Peshawar	[Cant=44, City=52, Bacha Khan Airport=37and Airbase =30,]
6.	Landi Kotal	33
7.	Tarbela	30
8.	Kakul	20
9.	Shinkiari	19
10.	Risalpur & Kohat Airbase	14 each
11.	Pashat-Bajaur	10
12.	Dir	09
13.	Cherat	08
14.	Lower Dir	05
C. A J & K		
15.	Rawalakot	28
16.	Kotli	20
17.	Palandri	15
18.	Kallar	10
19.	Bandi Abbaspur	07

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