



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

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SATURDAY, JULY 01, 2023**

Monsoon Season 2023 has set in and issuance of **FFC's Daily Weather & Flood Situation Report** has started effective today (i.e. **July 01, 2023**). Flood Communication Cell (FCC) of Federal Flood Commission (FFC) is already functional on Round-the-Clock basis with effect from **June 15, 2023**. During the Season, the entire Indus River System including its important tributaries in addition to important Hill Torrents and flood flow generating Nullahs shall be monitored with regard to their discharges/flood flows.

2. At the commencement of 2023 Monsoon Season, the existing Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) on July 01, 2023 is **6.836 MAF** i.e. **50.85 %** of **13.443 MAF** (Total Combined Live Storage, **Annexure-I**). It was only **3.1%** last year. All major rivers except for River Kabul (in Low Flood at Nowshera) are flowing normal.

3. According to Flood Forecasting Division (FFD), Lahore of PMD trough of Westerly Wave earlier over Kashmir and adjoining areas continues to prevail. Low-Pressure Area existing over Northwestern Madhya Pradesh (India) has now become insignificant. Mild Moist Currents from Arabian Sea are penetrating into upper parts of the country up to 5000 feet, whereas Seasonal Low lies over Northwestern Balochistan.

4. **For the next 24 hours**, FFD, Lahore has predicted scattered wind thunderstorm/rain of **Moderate Intensity** with **Heavy Falls at one or two places** over **Islamabad, Punjab** (Rawalpindi, Lahore, Gujranwala, Sargodha, Faisalabad, Sahiwal, Multan, Bahawalpur & D.G. Khan Divisions) and **Khyber Pakhtunkhwa** (Peshawar, Kohat, Bannu and D.I. Khan,) including over the upper catchments of all the major rivers. Significant rainfall events reported during past 24 hours may be seen at **Annexure-II**.

5. **Weather Outlook for rivers catchments for next one week (upto July 08, 2023):**

A fresh rain bearing system of Moderate to Heavy Intensity is likely to affect the upper catchments of all the major Rivers along with Suleiman range, from 5th July 2023. As a result, **flash flooding** in the **Hill Torrents of D.G. Khan Division** and **local nullahs of Northern Balochistan** including small rivers in **Khyber Pakhtunkhwa** (Bannu, Kohat and D.I. Khan Divisions) is expected.

6. PMD Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant of the situation.


(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. Minister for Climate Change, Islamabad.

Distribution:

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.
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 01-07-2023

Rivers and Reservoir Positions July 01, 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	160,000	124,000	235,000	89,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	122,000	119,000	209,000	202,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	168,000	165,000	194,000	187,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	98,000	95,000	235,000	213,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	82,000	64,000	160,000	127,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	59,000	24,000	121,000	69,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	16,000	NIL	25,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				23,000		38,000	Normal	200,000
• Nowshera					34,000		71,000	Low Flood (R)	200,000
River Swat									
• Chakdara Bridge					12,000		16,000	Normal	150,000
• Munda(H. Works)					11,000		19,000	Normal	150,000
• Charsadda Road	150,000				10,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	44,000	37,000	58,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	34,000	12,000	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	73,000	55,000	75,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	47,000	41,000	62,000	54,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	58,000	36,000	64,000	42,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	17,000	NIL	45,000	29,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	14,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		NIL		16,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	17,000	NIL	38,000	11,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	11,000	NIL	20,000	8,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	10,000	NIL	15,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	1,000	NIL	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (Ft-AMSL)	Minimum Operating Level (Ft-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	1430.91	1405.84	1506.99	5.809	0.065	3.499	60.23 %
Chashma	649.00	638.15	644.70	639.40	647.90	0.278	0.016	0.223	80.22 %
Mangla	1242.00	1050.00	1152.95	1098.80	1178.85	7.356	0.336	3.114	42.33 %
Total Live Storage						13.443	0.417	6.836	50.85 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	39.3 °C	29.4 °C	- 9.9 °C
Minimum	15.3 °C	16.3 °C	+ 1.0 °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)

* (▲) Signifies "Rising" Flood, (▼) Signifies "Falling" Flood, (■) 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)
A	Punjab	
1.	Daultanagar	67
2.	Gujranwala & Narowal	33 each
3.	Gujrat	18
4.	Sialkot	(Cantt=17 & Airport=15)
5.	Hafizabad	15
6.	Bhakkar	12
B	Khyber Pakhtunkhwa	
7.	D.I. Khan	33

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