



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

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, JULY 05, 2023**

All major rivers of Indus River System (IRS) are flowing in Normal Flow Condition. **Annexure-I** depicts inflows/outflows of major rivers alongwith storage position of Tarbela, Chashma & Mangla reservoirs at 0600 hours today besides, Skardu Temperature. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Mangla & Chashma) is **7.38 MAF** which is **54.90 %** of **13.443 MAF** (Total existing Live Storage Capacity).

2. As per Flood Forecasting Division (FFD) Lahore, yesterday's deep trough of Westerly Wave continues to prevail over Northeastern Afghanistan and adjoining areas. Upper Air cyclonic circulation yesterday over Southwestern Bay of Bengal today lies over Northwestern Bay of Bengal. Seasonal Low is prevailing over Northeastern Balochistan with its trough extending Northwards. At the reporting time **Strong Monsoon Currents** from both Arabian Sea & Bay of Bengal were penetrating into upper parts of Pakistan up to 7000 feet which are expected to continue.

3. **For the ensuing 24 hours FFD, Lahore has predicted Scattered to Widespread Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls over Islamabad, Rawalpindi, Gujranwala, Sargodha & Lahore Divisions of Punjab and Khyber-Pakhtunkhwa** including upper catchments of all the major rivers of IRS. Isolated wind thunderstorm/rain may also occur over rest of **Punjab and Balochistan (Kalat, Naseerabad, Loralai, Quetta, Sibi & Zhob Divisions)** during the same period. Some good rains have been experienced in Punjab, Khyber Pakhtunkhwa and AJ&K during the past 24 hours (**Annexure-II**)

4. **Weather Outlook for next 72 hours:**

- **Scattered to Widespread Wind Thunderstorm/ Rain with Isolated Heavy Falls and One/ Two Very Heavy Falls** are expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Bannu, Kohat & D.I. Khan Divisions)** including upper catchments of all the major rivers of IRS.
- **Isolated to Scattered Wind Thunderstorm/Rain** is also expected over rest of **Punjab and Balochistan (Kalat, Naseerabad, Loralai, Quetta, Sibi & Zhob Divisions)**.

5. **Flood Forecast (5th to 9th July 2023):**

Present wet spell of **Moderate to Heavy Intensity** is likely to affect the upper catchments of all the major rivers alongwith Sulaiman range, up to **8th July 2023** and another **Strong Monsoon System** is likely to hit the upper catchments of all the major rivers except River Indus from **8th July 2023**. This may result into:

5th to 9th July 2023

- **Flash flooding** is expected in the Hill Torrents of **D.G Khan Division** and local Nullahs of **Northern Balochistan** including small rivers in **Bannu, Kohat and D.I Khan Divisions**.

5th to 7th July 2023

- **Medium to High Level Flooding** is expected in the Nullah's of **Rivers Chenab & Ravi**.

6. **All concerned authorities are advised to remain ALERT, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties**

7. PMD Islamabad through FFD, Lahore is closely monitoring the present weather system and is keeping all concerned organizations 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.

Distribution:

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.
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 05-07-2023

Rivers and Reservoir Positions July 05, 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	250,000	198,000	191,000	246,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	132,000	127,000	221,000	214,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	239,000	237,000	226,000	215,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	109,000	102,000	202,000	182,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	72,000	55,000	190,000	151,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	54,000	22,000	145,000	90,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	21,000	NIL	43,000	3,000	Normal	650,000
River Kabul									
• Warsak	540,000				35,000		33,000	Normal	200,000
• Nowshera					51,000		57,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		13,000	Normal	150,000
• Munda(H. Works)					13,000		16,000	Normal	150,000
• Charsadda Road	150,000				13,000		15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	37,000	13,000	70,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	6,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	79,000	55,000	92,000	67,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	66,000	59,000	56,000	49,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	52,000	30,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	48,000	30,000	31,000	14,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	NIL	NIL	32,000	17,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		8,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		17,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	27,000	6,000	34,000	6,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	13,000	NIL	19,000	3,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	12,000	NIL	15,000	3,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	4,000	3,000	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	1436.54	1437.10	1512.00	5.809	0.742	3.749	64.54 %
Chashma	649.00	638.15	641.80	642.20	644.30	0.278	0.062	0.108	38.85 %
Mangla	1242.00	1050.00	1154.55	1110.75	1186.30	7.356	0.525	3.523	47.89 %
Total Live Storage						13.443	1.329	7.380	54.90 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	38.0 °C	31.8 °C	- 6.2 °C
Minimum	19.4 °C	14.4 °C	- 5.0 °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)

* (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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Lahore	147
2.	Gujranwala	78
3.	Sialkot	72
4.	Jhelum	59
5.	Daulatnagar & Ravi Syphon	49 each
6.	Narowal	48
7.	Mangla	42
8.	Chakwal	40
9.	Noorpur Thal	38
10.	Mandibahauddin	37
11.	Gujrat	33
12.	Kot Addu	26
13.	Kallar	25
14.	Murree	16
15.	Kasur	11
16.	Faisalabad	10
17.	Hafizabad	09
18.	Islamabad	07
19.	Shakar Garh	06
B Khyber Pakhtunkhwa		
20.	Phulra	52
21.	Daggar	37
22.	Pashat-Bajaur	36
23.	Kakul	33
24.	Malam Jabba	28
25.	D.I.Khan	25
26.	Besham	23
27.	Khaar-Bajaur	21
28.	Balakot	20
29.	Lower Dir	19
30.	Bannu	18
31.	Buner & Saidu Sharif	13 each
32.	Mamad Gut	11
33.	Oghi	07
34.	Tarbela	06
C A J & K		
35.	Haraman	41
36.	Domel	36
37.	Chattar Kallas	27
38.	Kotli	19
39.	Muzaffarabad	17
40.	Garhi Dopatta	12
41.	Palandri	09
42.	Rawalakot	08
43.	Hajira	07

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