



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
MONDAY, JULY 03, 2023

All major rivers of Indus River System (IRS) are flowing in "Normal Flow Condition" except for **River Kabul, a tributary of Indus River**, which is presently in **Low Flood** in **Warsak-Nowshera reach**. The existing Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **7.176 MAF** i.e. **53.38%** of **13.443 MAF** (Total Combined Live Storage, **Annexure-I**) compared to only **6.11 %** of last year.

2. According to Flood Forecasting Division (FFD) Lahore, **Moderate Monsoon Currents** from **Arabian Sea** are penetrating into upper parts of Pakistan up to 5000 feet. They are very likely to become **Strong** from both sources (Arabian Sea and Bay of Bengal). Seasonal Low lies over Northern Balochistan with its trough extending northeastwards besides a fresh deep trough of Westerly Wave lies over Northern parts of Afghanistan.

3. **For the ensuing 24 hours FFD**, Lahore has predicted mainly dry weather over most parts of the country, however scattered thunderstorm/ rain of Moderate Intensity is expected over the upper catchments of all the Major Rivers of IRS. Isolated thunderstorm/ rain may also occur over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions), Khyber-Pakhtunkhwa** and **Balochistan (Kalat Division)** during the same period. No Significant rainfall event has been reported by FFD, Lahore during the past 24 hours except for Takht Bai=07 mm.

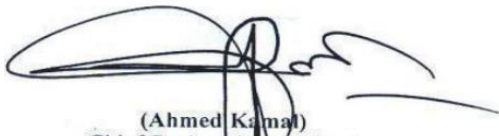
4. **Weather Outlook for next 72 hours:**

- Scattered to widespread thunderstorm/ rain with **Isolated Heavy Falls** and **One or 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 the upper catchments of all the major Rivers.
- Isolated to scattered thunderstorm/rain is also expected over rest of **Punjab** including **Balochistan (Kalat, Naseerabad, Loralai, Quetta, Sibi & Zhob Divisions)**.

5. **Weather Outlook and Flood Forecast (5th to 8th July 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** is expected in the Hill Torrents of **D.G Khan Division (Punjab)** and local Nullah's of Northern Balochistan including small Rivers in **Bannu, Kohat** and **D.I Khan Division (Khyber Pakhtunkhwa)** during **5th to 8th July 2023**. During the same period **Low to Medium Level Flooding** is also expected in the Nullah's of Rivers Chenab & Ravi. (**Source: FFD, Lahore**)

6. PMD Islamabad through FFD, Lahore is closely 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 03-07-2023

Rivers and Reservoir Positions July 03, 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	227,000	137,000	186,000	159,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	140,000	136,000	199,000	192,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	175,000	171,000	226,000	217,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	103,000	97,000	209,000	188,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	75,000	58,000	167,000	130,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	55,000	23,000	119,000	64,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	21,000	NIL	32,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				29,000		40,000	Low Flood (R)	200,000
• Nowshera					44,000		62,000	Low Flood (S)	200,000
River Swat									
• Chakdara Bridge					12,000		13,000	Normal	150,000
• Munda(H. Works)					12,000		15,000	Normal	150,000
• Charsadda Road	150,000				9,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	42,000	15,000	69,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	13,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	71,000	49,000	71,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	59,000	52,000	47,000	40,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	61,000	39,000	41,000	19,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	34,000	16,000	42,000	27,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	4,000	NIL	31,000	16,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		4,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		4,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	19,000	NIL	35,000	7,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	13,000	NIL	20,000	5,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	10,000	NIL	18,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	2,000	1,000	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	1434.06	1420.82	1512.06	5.809	0.348	3.752	64.59 %
Chashma	649.00	638.15	643.30	641.40	643.80	0.278	0.047	0.096	34.53 %
Mangla	1242.00	1050.00	1153.80	1104.70	1182.80	7.356	0.426	3.328	45.24 %
Total Live Storage						13.443	0.821	7.176	53.38 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	38.2 °C	31.6 °C	- 6.6°C
Minimum	17.4 °C	13.4°C	- 4.0°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.