



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
TUESDAY, JULY 04, 2023

Except for **River Kabul**, which is flowing in **Low Flood** (Falling) at **Nowshera**, all other major rivers of Indus River System (IRS) are flowing Normal. At present, Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **7.252 MAF** i.e. **53.95 %** of **13.443 MAF** (**Annexure-I**).

2. As per Flood Forecasting Division (FFD) Lahore, yesterday's deep trough of Westerly Wave over Northern parts of Afghanistan today lies over Northeastern Afghanistan and adjoining areas. An upper air cyclonic circulation has developed, due to air cooling, over Southwestern Bay of Bengal. Seasonal Low lies over Northeastern Balochistan with its trough extending northwards. **Moderate to Strong Monsoon Currents** both from Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan up to 5000 feet. They are likely to continue during the next (03) days.

3. **For the next 24 hours FFD, Lahore** has predicted **Scattered to Widespread Thunderstorm/ Rain of Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber-Pakhtunkhwa** including over upper catchments of all the Major Rivers of IRS. During the same time period, isolated thunderstorm/rain may also occur over rest of the **Punjab** and **Balochistan (Kalat, Naseerabad, Loralai, Quetta, Sibi & Zhob Divisions)**. Significant rainfall events as reported by FFD, Lahore during past 24 hours may be seen at **Annexure-II**.

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)**, **Khyber Pakhtunkhwa (Peshawar, Bannu, Kohat & D.I. Khan Divisions)** including upper catchments of all the major Rivers of IRS.
- **Isolated to Scattered Thunderstorm/ Rain** is also expected over rest of **Punjab** and **Balochistan (Kalat, Naseerabad, Loralai, Quetta, Sibi & Zhob Divisions)**.

5. **Weather Outlook and Flood Forecast (5th to 11th July 2023):**

Present wet spell of **Moderate to Heavy Intensity** is likely to affect upto **July 09, 2023** over the upper catchments of all the major Rivers of IRS and Sulaiman range. Another **Strong Monsoon System** is likely to hit the upper catchments of all the major Rivers except River Indus from **8th July 2023**. As a result, it is expected that:

- **Flash flooding** 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** from **5th to 9th July 2023**.
- **Low to medium level flooding** in the Nullah's of Rivers **Chenab & Ravi** from **5th to 9th July 2023**.
- Flows are likely to increase significantly in Rivers **Jhelum, Chenab & Ravi** including their associated Nullahs from **9th July 2023**. (**Source: FFD, Lahore**)

6. 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.
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 04-07-2023

Rivers and Reservoir Positions July 04, 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	252,000	83,000	188,000	248,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	142,000	138,000	206,000	198,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	159,000	155,000	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	75,000	58,000	204,000	167,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	54,000	22,000	127,000	72,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	22,000	NIL	39,000	1,000	Normal	650,000
River Kabul									
• Warsak	540,000				34,000		30,000	Normal	200,000
• Nowshera					48,000		60,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge					11,000		13,000	Normal	150,000
• Munda(H. Works)					12,000		14,000	Normal	150,000
• Charsadda Road	150,000				12,000		15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	14,000	58,000	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	89,000	66,000	77,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	72,000	65,000	49,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	50,000	28,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	44,000	26,000	37,000	22,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	4,000	NIL	33,000	19,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		8,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	23,000	2,000	35,000	7,000	Normal	135,000
• Sidhnai	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	11,000	NIL	17,000	5,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955		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	1435.59	1428.82	1512.00	5.809	0.534	3.749	64.54 %
Chashma	649.00	638.15	641.80	641.80	643.10	0.278	0.054	0.080	28.78 %
Mangla	1242.00	1050.00	1154.45	1107.75	1184.50	7.356	0.474	3.423	46.53 %
Total Live Storage						13.443	1.062	7.252	53.95 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /-)
Maximum	37.6 °C	34.2 °C	- 3.4 °C
Minimum	17.7 °C	14.4 °C	- 3.3 °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"

* 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
TUESDAY JULY 04, 2023

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Murree	52
2.	Daulatnagar	50
3.	Mangla	46
4.	Jhelum	43
5.	Lahore	33
6.	Islamabad	23
7.	Gujranwala	17
8.	Kallar	18
9.	Ravi Syphon	09
10.	Sialkot	08
11.	Kasur	07
12.	Mandibahauddin & Rohtas	06 each
B	Khyber Pakhtunkhwa	
13.	Kakul	58
14.	Oghi	41
15.	Phulra	33
16.	Balakot	19
17.	Malam Jabba	12
18.	Shinkiari	05
C	A J & K	
19.	Hajira	60
20.	Palandri	20
21.	Rawalakot	19
22.	Kotli	15
23.	Garhi Dopatta	06
24.	Chattar Kallas & Haraman	05 each

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