



**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
FRIDAY, SEPTEMBER 15, 2023**

All major rivers of Indus River System (IRS) are flowing in "Normal Flow Condition", hence there is no flood situation in the country. Increased inflows are being experienced in River Indus at Tarbela (Today's **inflow-139,000 cusecs** against yesterday's **124,000 cusecs**) by virtue of high temperature in the upper catchment areas of River Indus (Skardu) since last few days. Today's **Tarbela** water level is **1545.43 feet** against yesterday's **1545.04 feet**. At present, Water level in **Mangla reservoir** is **1236.05 feet**. (**Annexure-I**)

2. Yesterday's **DEPRESSION** over North Odisha (India) has weakened into a **Well Marked Low** and presently prevails over North Chhattisgarh (India) whereas Seasonal Low continues to persist over Northeastern Balochistan. As a result, light to moderate moist currents from both Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan upto 5000 feet. Aside from this, trough of Westerly Wave earlier over Northeastern Afghanistan is now over Northern parts of Pakistan.

3. **Weather and Flood Forecast for next 24 hours (Source: FFD, Lahore):**

- **Scattered Wind Thunderstorm/ Rain of Moderate Intensity with Isolated Heavy Falls** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala & Lahore Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers of IRS.
- **Isolated Wind Thunderstorm/ Rain of Light to Moderate Intensity** is expected over **Sargodha, DG Khan & Bahawalpur Divisions of Punjab, Southeastern Sindh and Northeastern Balochistan**.

4. Above meteorological conditions may result into;

- **Low to Medium Level Flood in River Chenab at Marala; &**
- **Medium Level Flood in Nullah Deg (Ravi Catchment).**


5. **Extended Period Weather and Flood Forecast (upto 20th September 2023):**

Scattered wind thunderstorm/rain of moderate intensity with heavy falls at isolated places is expected over **Islamabad, Punjab, Sindh, Khyber Pakhtunkhwa & Eastern Balochistan** including upper catchments of all the major rivers of IRS. This may result into increase in flows of rivers Jhelum & Chenab and associated Nullahs of rivers Chenab & Ravi including hill torrents in DG Khan Division which may cause Medium Level Floods.

6. Some good rains have been experienced during the past 24 hours in Punjab, Khyber Pakhtunkhwa and AJ&K. Details may be seen at **Annexure-II**.

7. All concerned organizations are advised to remain in **ALERT MODE** and ensure necessary measures as per their respective SOPs, in case of any flood emergency.

8. Round-the-Clock monitoring of the prevailing weather system is continued by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned fully abreast 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 (Coord-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. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Deptt., Govt. of Khyber Pakhtunkhwa, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Govt. of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Govt. of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
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 15-09-2023

Rivers and Reservoir Positions September 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	104,000	88,000	139,000	101,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	152,000	144,000	130,000	122,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	187,000	168,000	148,000	143,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	192,000	173,000	142,000	124,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	166,000	154,000	132,000	101,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	156,000	154,000	98,000	46,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	452,000	429,000	42,000	1,000	Normal	650,000
River Kabul									
• Warsak	540,000				20,000		17,000	Normal	200,000
• Nowshera					36,000		21,000	Normal	200,000
River Swat									
• Chakdara Bridge					7,000		5,000	Normal	150,000
• Munda(H. Works)					9,000		3,000	Normal	150,000
• Charsadda Road	150,000				9,000		2,000	Normal	100,000
River Jhelum				20,000					
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992		8,000	15,000	39,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	36,000	16,000	Normal	225,000
River Chenab				42,000					
• Marala	1,100,000	1,100,000	26-8-1957		12,000	64,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	13,000	6,000	46,000	38,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	6,000	47,000	25,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	8,000	20,000	4,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	19,000	5,000	18,000	1,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		9,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	6,000	40,000	12,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	20,000	3,000	23,000	5,000	Normal	90,000
River Sutlej									
• G.S. Wala							2,151	Normal	
• Suleimanki	325,000	598,872	08-10-1955	15,000	2,000	19,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	3,000	1,000	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	1530.82	1550.00	1545.43	5.809	5.827	5.546	95.47 %
Chashma	649.00	638.15	647.00	648.60	644.10	0.278	0.258	0.103	37.05 %
Mangla	1242.00	1050.00	1191.85	1192.95	1236.05	7.356	3.905	6.887	93.62 %
Total Live Storage						13.443	9.990	12.536	93.25 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	27.8 °C	32.4 °C	4.6 °C
Minimum	11.4 °C	14.6 °C	3.2 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Lahore	26
2.	Gujranwala	25
3.	Islamabad	21
4.	Jhelum	20
5.	Mangla & Daultnagar	08 each
B Khyber Pakhtunkhwa		
6.	Khawagoobo Bridge	28
7.	Dir	22
C AJ & K		
8.	Bandi Abbaspur	49
9.	Kotli	42
10.	Haraman	07
11.	Chattar Kallas	05

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