



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
THURSDAY, SEPTEMBER 21, 2023

There is no flood situation in the country at present, as all the major rivers of Indus River System are discharging normal flows. Water Levels in **Tarbela** and **Mangla** reservoirs are at **1548.47 feet** and **1232.90 feet** against their **Maximum Conservation Level (MCL)** of **1550 feet** and **1242 feet** respectively. Today's live storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **12.486 MAF (92.88%** of maximum available live storage capacity of **13.443 MAF)**. This was **9.978 MAF** on the same date last year (**Annexure-I**).

2. According to FFD, Lahore, Yesterday's **Low Pressure Area** over Southwest Rajasthan (India) has weakened. Trough of Westerly Wave earlier over Northern parts of Afghanistan today lies over Northeastern parts of Afghanistan while Seasonal Low lies over Balochistan. At present, light to moderate moist currents from Arabian Sea are penetrating into Central Punjab up to 5000 feet.

3. For the ensuing 24 hours, **Scattered Wind Thunderstorm/Rain** of **Moderate Intensity** is expected over **Islamabad, Rawalpindi Divisions** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Division)** including upper catchments of rivers Indus, Kabul & Jhelum. For the same period, **Isolated Wind Thunderstorm/Rain** of **Light to Moderate Intensity** may also occur over **Sargodha, Gujranwala, Lahore, Faisalabad & Bahawalpur Divisions** of Punjab and **Southern Sindh**, besides over upper catchments of rivers Chenab, Ravi & Sutlej.

4. For the extended period of 72 hours, FFD, Lahore has predicted **Scattered Wind Thunderstorm/Rain** of **Moderate Intensity** over **Sargodha, Faisalabad, Sahiwal, Multan & DG Khan Divisions** of Punjab and **Peshawar, Kohat, Bannu, D.I. Khan Divisions** of Khyber Pakhtunkhwa including upper catchments of all the major rivers of IRS. **Scattered Wind Thunderstorm/Rain** of **Moderate Intensity** with **Isolated Heavy Falls** may also occur over **Islamabad, Rawalpindi, Gujranwala & Lahore Divisions** during the same time period.

5. Few rainfall events have been experienced in Sindh (Sakrand = 24 mm, Karachi = 16 mm & Shaheed Benazirabad = 12 mm) and Punjab (Bahawalpur = 09 mm) during the past 24 hours.

6. All concerned organizations are advised to remain on **ALERT MODE** and ensure fool proof precautionary measures to avoid any loss to human lives and damage to public & private properties, in case of any emergency.

7. Pakistan Meteorological Department through FFD, Lahore continues to monitor the prevailing weather conditions over Pakistan and is keeping all concerned organizations fully abreast of the situation.

(Ahmed Kamal)
Chief Engineering Adviser/
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.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad

Distribution:

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 21-09-2023

Rivers and Reservoir Positions September 21, 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	87,000	81,000	121,000	79,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	89,000	81,000	144,000	136,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	122,000	103,000	149,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	119,000	97,000	137,000	117,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	85,000	75,000	115,000	91,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	110,000	101,000	90,000	41,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	237,000	202,000	40,000	20,000	Normal	650,000
River Kabul									
• Warsak	540,000				12,000		15,000	Normal	200,000
• Nowshera					26,000		23,000	Normal	200,000
River Swat									
• Chakdara Bridge					6,000		4,000	Normal	150,000
• Munda (H. Works)					7,000		3,000	Normal	150,000
• Charsadda Road	150,000				5,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	13,000	13,000	16,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	13,000	NIL	32,000	12,000	Normal	225,000
River Chenab				30,000					
• Marala	1,100,000	1,100,000	26-8-1957		4,000	38,000	8,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	NIL	17,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	12,000	NIL	32,000	11,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	21,000	4,000	27,000	15,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	16,000	2,000	29,000	12,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	28,000	NIL	47,000	19,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	17,000	NIL	27,000	9,000	Normal	90,000
River Sutlej									
• G.S. Wala							27,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	17,000	3,000	23,000	10,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	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	1521.83	1550.00	1548.47	5.809	5.827	5.721	98.49 %
Chashma	649.00	638.15	645.80	648.60	644.90	0.278	0.258	0.123	44.24 %
Mangla	1242.00	1050.00	1189.90	1192.75	1232.90	7.356	3.893	6.642	90.29 %
Total Live Storage						13.443	9.978	12.486	92.88 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.4 °C	29.6 °C	+ 1.2 °C
Minimum	11.3 °C	14.3 °C	+ 3.0 °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.