



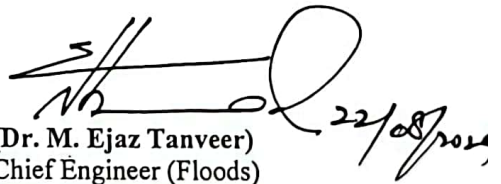
Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY, AUGUST 22, 2024

River Indus continues to flow in "Medium Flood" in Guddu-Sukkur reach while maintaining "Low Flood" in Tarbela-Taunsa reach as well as at Kotri Barrage. Similarly, River Kabul is experiencing "Low Flood" at Nowshera. Other rivers of IRS (Jhelum, Chenab, Ravi & Sutlej) are discharging normal flows. Major reservoirs water level and live water storage position including rivers discharges at specified locations are presented in **Annexure-I**.

2. Tarbela reservoir is maintaining its Maximum Conservation Level (MCL) of **1550 feet** since August 19, 2024 whereas Mangla Reservoir is at an elevation of **1215.25 feet (26.75 feet below its MCL: 1242.00 feet)**. WAPDA Authorities both at Tarbela & Chashma and field formations of Punjab & Sindh Irrigation Departments are exercising utmost care and extra vigilance in the reservoir/ barrage operation for effective flood routing and for the overall protection of flood embankments.
3. According to FFD, Lahore, yesterday's Low Pressure Area over North Bay of Bengal and adjoining Bangladesh remained stationary there while another Low Pressure Area is presently positioned over Central Uttar Pradesh (India). Trough of Westerly Wave previously over Northeast Afghanistan has now shifted to Northern Pakistan with Seasonal Low over Western Balochistan. Presently, light moist currents from the Arabian Sea were penetrating into upper parts of Pakistan up to 3000 feet at the reporting time.
4. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore & D.G.Khan Divisions), Khyber Pakhtunkhwa and Balochistan (Zhob and Kalat Divisions)** including upper catchments of all major rivers of IRS. Significant rainfall events recorded during the past 24 hours may be seen at **Annexure-II**.
5. As per FFD, Lahore, no significant weather changes are expected over the next 48 hours; however, moderate rainfall activity with isolated Heavy Falls is likely to persist. Furthermore, monsoon activity is projected to intensify significantly over the lower half of Pakistan starting from **August 26, 2024**. Consequently, increase in flows is anticipated in major rivers, their tributaries as well as in hill torrents and nullahs across the country from **August 27, 2024**, onward
6. All concerned organizations are advised to remain on **Alert** and to take prompt action in response to Flood Warnings issued by the relevant authorities in order to ensure safety of the communities residing in low lying areas, as well as to protect public and private properties, irrigation & drainage network and flood protection structures.
7. Round-The-Clock monitoring of the prevailing weather system is being done by Pakistan Meteorological Department (PMD), through FFD, Lahore and is keeping all relevant abreast of the situation.


(Dr. M. Ejaz Tanveer)
Chief Engineer (Floods)

For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.

Distribution:

3. Minister for Planning, Development & Special Initiatives, Islamabad
4. Minister for Climate Change & Environmental Coordination, Islamabad.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of Climate Change & Environmental Coordination, Islamabad.
9. Secretary, Ministry of National Food Security & Research, Islamabad.
10. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
11. Secretary, Senate Standing Committee on Water Resources, Parliament House, Islamabad.
12. Chairman, National Disaster Management Authority, Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chief Executive Officer, Pakistan Railways, Lahore.
15. Chairman, Indus River System Authority, Islamabad.
16. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
17. Chairman, National Highway Authority, Islamabad.
18. Director General, Pakistan Meteorological Department, Islamabad.
19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
21. Chief Secretary, Government of the Punjab, Lahore.
22. Chief Secretary, Government of Sindh, Karachi.
23. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
24. Chief Secretary, Government of Balochistan, Quetta.
25. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
26. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
27. Secretary, Irrigation Department, Government of the Punjab, Lahore.
28. Secretary, Irrigation Department, Government of Sindh, Karachi.
29. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
30. Secretary, Irrigation Department, Government of Balochistan, Quetta.
31. Secretary, Irrigation and Water Management, Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of K.P, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
43. Chief Commissioner, ICT, Islamabad.
44. Chairman, Capital Development Authority, Islamabad.
45. Commissioner, Rawalpindi.
46. Managing Director, WASA, Rawalpindi.
47. Principal Information Officer, Press Information Department, Islamabad.
48. Director (News), Associated Press of Pakistan, Islamabad.
49. Director (News), Pakistan Television, Islamabad.
50. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
51. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2024, dated 22-08-2024

Rivers and Reservoir Positions
August 22, 2024 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	215,000	252,000	257,000	256,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	206,000	198,000	321,000	315,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	256,000	235,000	348,000	329,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	212,000	193,000	344,000	332,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	255,000	226,000	417,000	405,000	Med Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	210,000	156,000	396,000	377,000	Med Flood (S)	700,000
• Kotri	875,000	981,000	14-8-1956	154,000	113,000	254,000	216,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000				37,000		35,000	Normal	200,000
• Nowshera					40,000		64,000	Low Flood (R)	200,000
River Swat									
• Chakdara Bridge					10,000		8,000	Normal	150,000
• Munda(H. Works)					8,000		9,000	Normal	150,000
• Charsadda Road	150,000				8,000		9,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	21,000	22,000	35,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000	16,000	8,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	77,000	49,000	63,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	48,000	39,000	60,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	39,000	29,000	58,000	40,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	58,000	47,000	71,000	61,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	77,000	61,000	65,000	57,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		13,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	29,000	46,000	19,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	35,000	17,000	30,000	18,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	191,000	191,000	19,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	48,000	46,000	12,000	11,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1550.00	1549.30	1550.00	5.766	5.769	5.766	100 %
Chashma	649.00	638.15	642.00	649.00	644.00	0.311	0.278	0.112	36.01 %
Mangla	1242.00	1050.00	1177.15	1241.90	1215.25	7.277	7.348	5.270	72.42 %
Total Live Storage						13.354	13.395	11.148	83.48 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	34.2 °C	25.6 °C	- 8.6 °C
Minimum	16.1 °C	12.2 °C	- 3.9 °C

NOTE-1: "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

NOTE-2: "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

NOTE-3: * 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.

NOTE-4: Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.

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THURSDAY, AUGUST 22, 2024

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Sahiwal	38
2.	Mangla	30
3.	Hafizabad	14
4.	Sialkot	13
5.	Shorkot	12
6.	Multan & Kallar	08 each
B	Balochistan	
7.	Khuzdar	18
C	Khyber Pakhtunkhwa	
8.	Parachinar	11
9.	Kalam	06
D	AJ&K	
10.	Bandi Abbaspur	17
11.	Kotli	14
12.	Palandri	13
13.	Rawalakot	09

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