



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
SUNDAY, SEPTEMBER 08, 2024

Presently, **River Indus** continues to flow in **Low Flood** with falling trend at Kotri Barrage (the last control structure before the Arabian Sea). Rest of its control points (Tarbela, Kalabagh, Chashma, Taunsa, Guddu and Sukkur as well as all other major rivers in the Indus River System (i.e. Rivers Jhelum, Chenab, Ravi, and Sutlej) are discharging normal flows. **Annexure-I** depicts detailed information on inflows/ outflows of these rivers, major reservoirs storage positions and temperature data at Skardu.

2. Tarbela Reservoir is being maintained at its Maximum Conservation Level (MCL) of 1550.00 feet by Tarbela Dam Management since **August 19, 2024**. The water level in the Mangla Reservoir, on the other hand, has risen upto an elevation of 1227.45 feet which is 14.55 feet below its MCL of 1242 feet, yesterday it was at an elevation of 1226.90 feet. Combined live storage of the country's major reservoirs (Tarbela, Chashma & Mangla) stands at **12.201 MAF (91.37 % of the total storage capacity of 13.354 MAF)**. Tarbela Dam Management is advised to regulate the reservoir with extreme care, ensuring that approved SOPs and Dam Safety Guidelines are strictly followed in order to protect downstream areas.

3. According to the FFD, Lahore, yesterday's shallow trough of a Westerly Wave over the Northern part of Pakistan has moved away eastwards. Moist currents from the Arabian Sea and the Bay of Bengal have been cut off. However, a well-marked "Low Pressure Area" has developed over northwestern Bay of Bengal (India) and adjoining areas.

4. Isolated Thunderstorm Rain of Light Intensity is expected over **Khyber-Pakhtunkhwa** (Peshawar and Kohat division) and upper catchments of all the major rivers during the next 24 hours (Source: FFD, Lahore).

5. No significant rainfall activity has been reported by the Met Office during the past 24 hours except for Layyah =18 mm and Murree=06 mm.

6. **All Relevant Organizations are advised to remain vigilant** and to take prompt action in response to warnings issued by the relevant authorities to ensure the safety of communities residing in low lying areas, as well as to protect public and private properties, irrigation & drainage network and flood protection structures.

7. PMD, Islamabad through its specialized Flood Forecasting Unit (FFD, Lahore) is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.

(Zafar Iqbal)
Superintending 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.
3. Minister for Planning, Development & Special Initiatives, Islamabad.

Distribution:

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, Govt. 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 08-09-2024



Rivers and Reservoir Positions
September 08, 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	114,000	87,000	127,000	107,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	130,000	122,000	168,000	162,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	168,000	150,000	183,000	159,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	127,000	108,000	157,000	132,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	140,000	111,000	217,000	185,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	98,000	46,000	178,000	137,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	135,000	93,000	264,000	255,000	Low Flood (F)	650,000
River Kabul									
• Warsak	540,000				20,000		18,000	Normal	200,000
• Nowshera					24,000		30,000	Normal	200,000
River Swat									
• Chakdara Bridge					6,000		5,000	Normal	150,000
• Munda (H. Works)					3,000		6,000	Normal	150,000
• Charsadda Road	150,000				3,000		5,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	13,000	40,000	28,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	20,000	5,000	9,000	5,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	37,000	6,000	46,000	17,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	12,000	4,000	27,000	20,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	NIL	29,000	11,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	68,000	58,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	67,000	50,000	64,000	51,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	11,000	44,000	17,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	26,000	8,000	26,000	12,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	22,000	7,000	20,000	8,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	17,000	15,000	6,000	4,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1550.00	1550.00	1550.00	5.766	5.809	5.766	100 %
Chashma	649.00	638.15	648.60	648.00	648.50	0.311	0.227	0.285	91.64 %
Mangla	1242.00	1050.00	1191.00	1241.10	1227.45	7.277	7.283	6.150	84.51 %
Total Live Storage						13.354	13.319	12.201	91.37 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+/-)
Maximum	26.2 °C	22.4 °C	+ 3.8 °C
Minimum	9.4 °C	13.4 °C	+ 4.0 °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 belas and flowing upto high banks but without encroachment 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.