



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

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Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, SEPTEMBER 04, 2024

Except for River Indus other main Rivers of the Indus River System (Jhelum, Chenab, Ravi & Sutlej) are discharging Normal Flows. River Indus is flowing in “**Medium Flood**” at Kotri barrage and in “**Low Flood**” at Guddu Barrage. **Annexure-I**, depicts main rivers inflows/outflows at important control structures, reservoirs storage position besides Skardu temperature at 0600 hours today.

2. Since August 19, 2024, Tarbela Reservoir is being maintained at its Maximum Conservation Level of **1550.00 feet**, while Mangla Reservoir is at El: **1224.85 feet** against its MCL: **1242 feet (18.11%** storage still left). Present Combined Live Storage of Tarbela, Chashma & Mangla Reservoirs is **13.354 MAF** (i.e. **89.94 %** of the total live storage capacity of **13.354 MAF**: reference **Annexure-I**). Given the higher water level in the reservoir, Tarbela Dam Management is advised to exercise extreme caution in regulating the reservoir, following the approved SOPs and Dam Safety Guidelines to safeguard downstream areas in the event of high inflows.

3. According to the FFD, Lahore, yesterday's Well Marked Low has weakened into Low and is now located over Southeastern Rajasthan (India). Trough of Westerly Wave earlier over Northern Pakistan has shifted Eastwards while weak Seasonal Low persists over Balochistan. Meanwhile, moderate moist currents from the Arabian Sea and the Bay of Bengal were penetrating into Eastern Sindh and adjoining Southern Punjab at the reporting time today.

4. For the ensuing 24 hours, FFD Lahore has predicted, scattered thunderstorm rain of **Moderate Intensity** over **Punjab (D.G. Khan, Multan & Bahawalpur Divisions), Sindh (Mirpur Khas & Sukkur Divisions) and Balochistan (Kalat Division)** including upper catchments of rivers Chenab, Ravi and Sutlej. During the same period, isolated thunderstorm rain of light to moderate intensity may occur over **Punjab (Gujranwala & Lahore Divisions), Sindh (Shaheed Benazirabad Division) and Balochistan (Nasirabad & Sibbi Divisions)** including upper catchments of rivers Indus, Jhelum & Kabul.

5. The monsoon is expected to be less active over the next 48 hours. Details of significant rainfall events reported in the past 24 hours can be found in Annexure-II.

6. **All Relevant Organizations are advised to remain Fully Alert and 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.


(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 KP, 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 04-09-2024

Rivers and Reservoir Positions
September 04, 2024 at 0600 Hours

(Discharge in Cusecs)

A. River Flow Situation:

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
<i>River Indus</i>									
• <i>Tarbela Reservoir</i>	1,500,000	604,000	30-7-2010	144,000	124,000	168,000	196,000	Normal	650,000
• <i>Kalabagh</i>	950,000	950,000	14-7-1942	153,000	145,000	200,000	195,000	Normal	650,000
• <i>Chashma Reservoir</i>	950,000	1,036,673	01-8-2010	137,000	120,000	258,000	234,000	Normal	650,000
• <i>Taunsa</i>	1,000,000	959,991	02-8-2010	106,000	87,000	203,000	179,000	Normal	650,000
• <i>Guddu</i>	1,200,000	1,199,672	15-8-1976	166,000	133,000	231,000	205,000	Low Flood (R)	700,000
• <i>Sukkur</i>	900,000	1,161,000	16-8-1976	197,000	143,000	196,000	167,000	Normal	700,000
• <i>Kotri</i>	875,000	981,000	14-8-1956	159,000	118,000	342,000	336,000	Med Flood (S)	650,000
<i>River Kabul</i>									
• <i>Warsak</i>	540,000				19,000		23,000	Normal	200,000
• <i>Nowshera</i>					24,000		33,000	Normal	200,000
<i>River Swat</i>									
• <i>Chakdara Bridge</i>					6,000		6,000	Normal	150,000
• <i>Munda(H. Works)</i>					4,000		8,000	Normal	150,000
• <i>Charsadda Road</i>	150,000				4,000		7,000	Normal	100,000
<i>River Jhelum</i>									
• <i>Mangla Reservoir</i>	1,060,000	1,090,000	10-9-1992	13,000	13,000	30,000	8,000	Normal	225,000
• <i>Rasul</i>	850,000	952,170	10-9-1992	13,000	5,000	7,000	5,000	Normal	225,000
<i>River Chenab</i>									
• <i>Marala</i>	1,100,000	1,100,000	26-8-1957	48,000	17,000	73,000	44,000	Normal	400,000
• <i>Khanki</i>	1,100,000	1,086,460	27-8-1959	19,000	11,000	55,000	48,000	Normal	400,000
• <i>Qadirabad</i>	900,000	948,530	11-9-1992	25,000	5,000	54,000	36,000	Normal	400,000
• <i>Trimmu</i>	875,000	943,225	08-7-1959	25,000	10,000	88,000	78,000	Normal	450,000
• <i>Panjnad</i>	865,000	802,516	17-8-1973	82,000	65,000	55,000	45,000	Normal	450,000
<i>River Ravi</i>									
• <i>Jassar</i>	275,000	680,000	05-10-1955		6,000		3,000	Normal	150,000
• <i>Shahdara</i>	250,000	680,000	22-9-1988		23,000		17,000	Normal	135,000
• <i>Balloki</i>	380,000	336,200	28-9-1988	36,000	13,000	45,000	19,000	Normal	135,000
• <i>Sidhnai</i>	150,000	330,210	02-10-1988	23,000	6,000	30,000	19,000	Normal	90,000
<i>River Sutlej</i>									
• <i>Suleimanki</i>	325,000	598,872	08-10-1955	38,000	24,000	16,000	8,000	Normal	175,000
• <i>Islam</i>	332,000	492,581	11-10-1955	62,000	60,000	10,000	8,000	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	1550.00	1550.00	5.766	5.809	5.766	100 %
Chashma	649.00	638.15	648.60	648.50	648.50	0.311	0.253	0.285	91.64 %
Mangla	1242.00	1050.00	1188.55	1242.00	1224.85	7.277	7.356	5.959	81.89 %
Total Live Storage						13.354	13.418	12.010	89.94 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	20.7 °C	23.5 °C	+ 2.6 °C
Minimum	9.3 °C	13.2 °C	+ 2.3 °C

NOTE-1: "Mild" Categories

Low Flood:

Medium Flood:

High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas

River partly inundating river islands/belas

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):

Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard

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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WEDNESDAY, SEPTEMBER 04, 2024
Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Lahore	22
2.	Bahawalnagar	21
3.	Murree	16
4.	Jhang	15
5.	Khanewal	12
6.	Okara & Mianwali	09 each
B Sindh		
7.	Mithi	75
8.	Padidan	16
9.	Chhor	13
10.	Badin	09
C Khyber Pakhtunkhwa		
11.	D.I.Khan	18
12.	Oghi	07
D Balochistan		
13.	Barkhan	10
14.	Loralai	07
E AJ&K		
15.	Kotli	20

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