



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

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FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**TUESDAY, SEPTEMBER 03, 2024**

Except for River Indus, which is experiencing "Low Flood" condition at Guddu Barrage and "Medium Flood" condition at Kotri Barrage, all other major rivers in the Indus River System (Jhelum, Chenab, Ravi and Sutlej) are discharging normal flows. Detailed information on the inflows/outflows at specified control structures, storage levels of the country's major reservoirs and temperature data for Skardu are provided in **Annexure-I**.

2. Tarbela Reservoir is maintaining its Maximum Conservation Level (MCL) of **1550.00 feet** since **August 19, 2024**. The water level in the Mangla Reservoir is steadily rising and is currently at **1224.20 feet**, just **17.80 feet** short of its MCL of **1242 feet**. Combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) stands at **11.962 MAF**, which is **89.58%** of the total live storage capacity of **13.354 MAF**. Due to the higher water level in the reservoir, the management of Tarbela Dam is advised to exercise extreme caution in regulating the reservoir, adhering to the approved Standard SOPs and Dam Safety Guidelines to protect downstream areas in the event of high inflows.

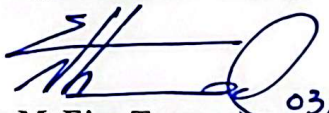
3. According to the FFD, Lahore, Well Marked Low earlier over South-western Chhattisgarh (India) has shifted Westwards and now is positioned over West Madhya Pradesh (India). Trough of Westerly Wave previously over Northeastern Afghanistan has moved to Northern Pakistan while Seasonal Low lies over Northwestern Balochistan. Moderate moist currents from the Bay of Bengal were penetrating into the upper parts of Pakistan.

4. For the ensuing 24 hours, FFD Lahore has predicted, scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal, D.G.Khan, Multan & Bahawalpur Divisions), Sindh (Mirpur Khas, Larkana & Sukkur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I.Khan Divisions) and Balochistan (Zhob, Loralai, Nasirabad, Kalat & Sibbi Divisions)** including upper catchments of all major rivers of IRS.

5. The monsoon activity is expected to decrease over the next 48 hours. Details of significant rainfall events from 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) 03/09/2024  
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 03-09-2024

**Rivers and Reservoir Positions**  
September 03, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	137,000	148,000	177,000	156,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	139,000	131,000	202,000	197,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	137,000	120,000	233,000	209,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	115,000	94,000	216,000	192,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	245,000	213,000	230,000	203,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	238,000	184,000	201,000	175,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	149,000	108,000	342,000	336,000	Med Flood (S)	650,000
<b>River Kabul</b>									
• Warsak	540,000				20,000		20,000	Normal	200,000
• Nowshera					23,000		31,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					6,000		6,000	Normal	150,000
• Munda (H. Works)					6,000		9,000	Normal	150,000
• Charsadda Road	150,000				5,000		7,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	16,000	14,000	45,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	7,000	5,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	48,000	17,000	79,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	18,000	9,000	36,000	29,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	23,000	3,000	33,000	15,000	Normal	400,000
• Trimnu	875,000	943,225	08-7-1959	29,000	13,000	62,000	51,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	89,000	72,000	53,000	43,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	11,000	43,000	17,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	24,000	6,000	34,000	23,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	40,000	26,000	15,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	67,000	64,000	11,000	10,000	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	648.10	648.50	0.311	0.232	0.285	91.64 %
Mangla	1242.00	1050.00	1188.00	1242.00	1224.20	7.277	7.356	5.911	81.23 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>13.397</b>	<b>11.962</b>	<b>89.58 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	31.2 °C	23.5 °C	- 7.7 °C
Minimum	15.4 °C	13.2 °C	- 2.2 °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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**TUESDAY, SEPTEMBER 03, 2024**  
Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Lahore	201
2.	Gujranwala	196
3.	Narowal	68
4.	Faisalabad & D.G.Khan	60 each
5.	Sialkot	55
6.	Attock	37
7.	Murree & Kamra	33 each
8.	Islamabad	27
9.	Mandibahauddin	23
10.	Hafizabad	22
11.	Gujrat	18
12.	Jhelum	15
13.	Mangla	10
<b>B Khyber Pakhtunkhwa</b>		
14.	Risalpur	36
15.	D.I.Khan	18
16.	Daggar	15
17.	Kohat	13
18.	Balakot	12
19.	Saidu Sharif & Khaar-Bajaur	11 each
<b>C Balochistan</b>		
20.	Ziarat	22
21.	Loralai	14
22.	Kalat	13
23.	Barkhan	08
<b>D Gilgit-Baltistan</b>		
24.	Gupis	06
<b>E AJ&amp;K</b>		
25.	Rawalakot	47
26.	Chakothe	14
27.	Muzaffarabad	10

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