



**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**  
**SATURDAY, SEPTEMBER 07, 2024**

Presently, **River Indus** is flowing in **Low Flood** at Kotri Barrage (the last control structure before the Arabian Sea). River Indus at 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 has been maintained at its Maximum Conservation Level (MCL) of 1550.00 feet by Tarbela Dam Management since **August 19, 2024**. Mangla Reservoir, on the other hand, is now at an elevation of 1226.90 feet, 15.10 feet below its MCL, or 1242 feet. Combined live storage of the country's major reservoirs (Tarbela, Chashma & Mangla) stands at **12.161 MAF (91.07 %** 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 Westerly Wave over Northeastern Afghanistan today lies over Northern part of Pakistan. Light to moderate moist currents are penetrating into upper parts of the country from Bay of Bengal (India) whereas Seasonal Low lies over northwestern Balochistan.

4. For next 24 hours, FFD Lahore has predicted **Scattered Thunderstorm Rain** of **moderate intensity** with **isolated heavy falls** over **Islamabad, Punjab** (Rawalpindi, Sargodha & Gujranwala Divisions) and **Khyber-Pakhtunkhwa** (Peshawar, Kohat & Bannu Divisions) along with upper catchments of all the major rivers. **Isolated Thunderstorm Rain of moderate intensity** is expected over Lahore, Multan, DG Khan and Bahawalpur Divisions of Punjab as well as D.I Khan Division **Khyber-Pakhtunkhwa** during the same period. The rainfall events of heavy to moderate intensity reported during the past 24 hours may be seen at **Annexure-II**.

5. Current rainfall spell is likely to subside during the next 48 hours (**Source FFD Lahore**).

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.
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.

## **Distribution:**

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.
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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.
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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 07-09-2024**

## Rivers and Reservoir Positions September 07, 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	108,000	85,000	132,000	129,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	156,000	148,000	168,000	162,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	164,000	147,000	192,000	167,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	134,000	113,000	187,000	161,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	134,000	104,000	222,000	189,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	98,000	46,000	188,000	148,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	160,000	118,000	279,000	270,000	Low Flood (F)	650,000
<b>River Kabul</b>									
• Warsak	540,000				17,000		20,000	Normal	200,000
• Nowshera					25,000		30,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					5,000		6,000	Normal	150,000
• Munda( H. Works)					3,000		6,000	Normal	150,000
• Charsadda Road	150,000				3,000		6,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	11,000	9,000	45,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	13,000	NIL	9,000	5,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	39,000	8,000	51,000	22,000	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	27,000	5,000	26,000	8,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	67,000	57,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	77,000	60,000	60,000	49,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	11,000	43,000	16,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	26,000	8,000	26,000	12,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	26,000	12,000	19,000	7,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	19,000	17,000	6,000	4,000	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	649.00	648.50	0.311	0.278	0.285	91.64 %
Mangla	1242.00	1050.00	1190.50	1241.75	1226.90	7.277	7.336	6.110	83.96 %
<b>Total Live Storage</b>						<b>13.354</b>	13.423	<b>12.161</b>	<b>91.07 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference ( + / - )
Maximum	23.6 °C	27.3 °C	+ 3.7 °C
Minimum	8.4 °C	15.3 °C	+ 6.9 °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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SATURDAY, SEPTEMBER 07, 2024**

**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Islamabad	76
2.	Kallar	38
3.	Sialkot	36
4.	Mandibahauddin	27
5.	Sargodha	25
6.	Hafizabad	17
7.	Lahore	16
8.	Mangla	15
9.	Chakwal	14
10.	Murree	10
11.	Jhelum	09
12.	Joharabad	08
13.	Gujrat	06
<b>B Khyber Pakhtunkhwa</b>		
14.	Cherat	37
15.	Oghi	25
16.	D.I.Khan	18
17.	Kakul	14
18.	Barnala	09
19.	Daggar & Balakot	07 each
20.	Risalpur & Kohat Airbase	05 each
<b>C AJ&amp;K</b>		
21.	Garhi Dopatta	47
22.	Chattar Kallas	22
23.	Rawalakot	19
24.	Palandri & Kotli & Muzaffarabad	06 each

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