



**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  
MONDAY, SEPTEMBER 16, 2024**

At present, all major rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi and Sutlej) are discharging normal flows because monsoon activity has significantly decreased and there is no flood situation in the country. For detailed information on the discharge of these rivers at specified control structures, as well as the current storage levels of the country's major reservoirs and the temperature in Skardu, **Annexure-I** may be referred.

2. Water level at Tarbela and Mangla Reservoirs are at **1545.16 feet** and **1227.50 feet** against their Maximum Conservation Levels (MCL) of 1550 and 1242 feet respectively. The combined live storage of the country's major reservoirs (Tarbela, Chashma and Mangla) stands at **11.882 MAF** which is **88.98 %** of the total available live storage capacity of **13.354 MAF**.

3. According to the FFD Lahore, yesterday's **Deep Depression** over West Bengal (India) has moved westwards and today lies over east Jharkhand (India). A trough of Westerly Wave lies over northern parts of Afghanistan and adjoining areas whereas Seasonal Low lies over northwestern Balochistan. At present, light moist currents from Arabian Sea are penetrating into upper half of Pakistan up to 3000 feet.

4. For the ensuing 24 hours, FFD Lahore has predicted mainly dry weather over most parts of Pakistan. Nonetheless, **isolated thunderstorm rain** of light intensity is expected over **Islamabad, Punjab** (Rawalpindi & D.G. Khan Divisions), **Khyber Pakhtunkhwa** (Peshawar, Kohat & Bannu Divisions) and **Balochistan** (Zhob & Kalat Divisions) including upper catchments of rivers Kabul, Indus & Jhelum. As per the weekly weather outlook issued by FFD, Lahore for **September 17<sup>th</sup> – 23<sup>rd</sup>, 2024**, scattered thunderstorm rain is expected over upper catchments of the rivers Sutlej, Ravi and Chenab from **18<sup>th</sup> September 2024** onward. As a result, flows are likely to increase in rivers Sutlej, Ravi and Chenab from **19<sup>th</sup> September 2024** onward.

5. Pakistan Meteorological Department, Islamabad through 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-I)  
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, Ministry of Planning, Development & Special Initiatives, Islamabad.

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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. Chairman, Indus River System Authority, Islamabad.
15. Pakistan Commissioner for Indus Waters, Islamabad.
16. Chief Executive Officer, Pakistan Railways, Lahore.
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, Government of Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Govt. of Khyber Pakhtunkhwa, 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 16-09-2024**

## Rivers and Reservoir Positions September 16, 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	150,000	134,000	86,000	105,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	129,000	121,000	163,000	156,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	148,000	145,000	157,000	150,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	142,000	124,000	141,000	114,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	128,000	99,000	135,000	106,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	95,000	44,000	104,000	61,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	48,000	7,000	115,000	93,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				18,000		15,000	Normal	200,000
• Nowshera					21,000		26,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					5,000		5,000	Normal	150,000
• Munda( H. Works)					5,000		3,000	Normal	150,000
• Charsadda Road	150,000				3,000		4,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	23,000	19,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	39,000	20,000	27,000	8,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	74,000	44,000	30,000	6,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	62,000	54,000	10,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	24,000	9,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	7,000	22,000	8,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	1,000	37,000	23,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		10,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		31,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	43,000	15,000	27,000	6,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	23,000	5,000	22,000	6,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	18,000	4,000	11,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	3,000	1,000	2,000	NIL	Normal	175,000

### B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FI-AMSL)	Minimum Operating Level (FI-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	1546.18	1545.16	5.766	5.589	5.488	95.18 %
Chashma	649.00	638.15	648.60	644.10	647.60	0.311	0.103	0.240	77.17 %
Mangla	1242.00	1050.00	1193.05	1235.70	1227.50	7.277	6.860	6.154	84.57 %
<b>Total Live Storage</b>						<b>13.354</b>	12.552	<b>11.882</b>	<b>88.98 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference ( + / - )
Maximum	32.4 °C	23.6 °C	- 6.9 °C
Minimum	14.2 °C	8.2 °C	- 6.4 °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.