



**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
SATURDAY SEPTEMBER 24, 2022**

Rivers Indus, Jhelum, Chenab, Ravi, and Sutlej are all currently running under "**Normal Flow Conditions**" within the Indus River System. Main rivers inflows/outflows at significant important control structures including reservoir storage position and Skardu temperature, as of this morning at 0600 hours may be seen at **Annexure-I**.

2. Since **August 28, 2022**, **Tarbela Reservoir** is being maintained at its **Maximum Conservation Level** of **1550.00 feet**. Mangla Reservoir, at present, is at **El: 1191.70 feet** against its **Maximum Conservation Level (1242.00 feet)**. Three main reservoirs (**Tarbela, Mangla and Chashma**) currently have a combined live storage capacity of **9.899 MAF (73.54% of total 13.461 MAF)**.

3. According to FFD, Lahore, yesterday's **Low Pressure Area** over Northwestern Madhya Pradesh (India) today lies over Northeastern parts of Rajasthan and adjoining areas. Yesterday's trough of **Westerly Wave** over Northern parts of Afghanistan today lies over Northeastern parts of Afghanistan whereas **Weak Seasonal Low** continues to prevail over Western Balochistan. **Moderate Moist Currents** both from Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan upto 5,000 feet.

FFD, Lahore Forecast for next 24- 48 Hours:

4. Upper catchments of **Eastern Rivers (Sutlej & Ravi)** besides **River Chenab** are expected to experience **Heavy to Very Heavy** rains. FFD, Lahore has accordingly predicted as under: -

- **Widespread Wind Thunderstorm/Rain of Heavy Intensity** with scattered **Very Heavy Falls** are expected over the upper catchment of "**River Sutlej**" while there is a likelihood of **Scattered Thunderstorm/ Rain of Moderate Intensity** over upper catchments of "**Rivers Chenab & Ravi**" during the next 24 hours. The **scattered thunderstorm/rain of moderate intensity** may also occur over **Islamabad and Rawalpindi, Sargodha, Gujranwala, Lahore & Faisalabad Divisions of Punjab** and **Peshawar, Kohat, Bannu, D.I. Khan Divisions of Khyber Pakhtunkhwa** including upper catchments of "**Rivers Indus & Jhelum**" during the same period.
- For the **next 48 hours**, FFD, Lahore has predicted that wet spell is likely to continue and flows in the **Rivers Sutlej & Ravi** will depend upon the **releases from India**.

5. Except for Punjab (Lahore = 70 mm & Sialkot = 16 mm) and AJ&K (Palandri = 24 mm & Muzaffarabad = 17 mm), there has been no notable rainfall event reported by FFD, Lahore over the past 24 hours.

6. **Keeping in view the forecast issued by FFD, Lahore, Office of Pakistan Commissioner for Indus Water (O/o PCIW) is to ensure availability of latest Flood/ Base Flow Data on Indian Structures/ Reservoirs on Rivers Ravi, Sutlej, Beas and Chenab presently close to their respective Maximum Conservation Levels (MCLs) and "Supply of Advance Flood Information" to all concerned especially to FFD, Lahore, for timely issuance of "Significant Flood Forecast", if the situation so demands, so that all related disaster management organizations including PID, Punjab, can take timely pre-emptive measures.**

7. Foregoing in view. all concerned organizations including **PDMAs/DDMAs** are advised to remain **Alert & Vigilant** for required timely actions on warnings issued by the concerned organizations.

8. Pakistan Meteorological Department (PMD) is closely monitoring the present weather system and is keeping all concerned fully informed through FFD, Lahore.



(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

Distribution: -

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.

41. Director General, Provincial Disaster Management Authority, Govt. of Balochistan, Quetta.
 42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
 43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
 44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
 45. Managing Director, WASA, Rawalpindi.
 46. Principal Information Officer, Press Information Department, Islamabad.
 47. Director (News), Associated Press of Pakistan, Islamabad.
 48. Director (News), Pakistan Television, Islamabad.
 49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
 50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
- U.O. No.FC-I (31)/2022, Dated 24-09-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad

Rivers and Reservoir Positions September 24, 2022 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	96,000	98,000	84,000	90,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	140,000	132,000	92,000	84,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	139,000	117,000	108,000	87,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	126,000	104,000	88,000	64,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	120,000	87,000	86,000	71,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	81,000	26,000	78,000	67,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	19,000	1,000	218,000	186,000	Normal	650,000
River Kabul									
• Warsak	540,000				NR		11,000	Normal	200,000
• Nowshera		450,000	29-07-2010		18,000		21,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		NR		6,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		NR		6,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		NR		6,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	20,000	16,000	11,000	22,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	28,000	8,000	18,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	29,000	5,000	31,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	9,000	2,000	12,000	4,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	22,000	NIL	18,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	30,000		20,000	3,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	24,000	14,000 10,000	13,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	14,000	28,000	NIL	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	23,000	6,000	16,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	14,000	1,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	1,000	NIL	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1548.79	1519.25	1550.00	5.827	4.256	5.827	100 %
Chashma	649.00	638.15	645.40	646.20	648.30	0.278	0.153	0.242	87.05 %
Mangla	1242.00	1050.00	1234.90	1189.40	1191.70	7.356	3.703	3.830	52.07 %
Total Live Storage						13.461	8.112	9.899	73.54 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	22.7 °C	28.7 °C	+ 6.0 °C
Minimum	8.4 °C	10.0 °C	+ 1.6 °C

NOTES: "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 freeboards

"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

* Flood Classification/ Historic Peak Floods: (applied on downstream discharge/Outflow)

(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"