



**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
THURSDAY SEPTEMBER 22, 2022**

All main rivers of Indus River System are flowing in “**Normal Flow Conditions**” and there is no riverine flood situation in the country. **Annexure-I** depicts main rivers inflows/outflows at important control structures including reservoir storage position and Skardu temperature at 0600 hours today.

2. **Tarbela Reservoir** is being maintained at its **Maximum Conservation Level of 1550.00 feet** Since August 28, 2022. At present, **Mangla Reservoir** is at **El:1192.50 feet** against its **Maximum Conservation Level (1242.00 feet)**. Today's Combined Live Storage of country's three major reservoirs (**Tarbela, Chashma & Mangla**) is **9.942 MAF (73.86%** of total **13.461 MAF)**.

3. According to FFD, Lahore yesterday's **Low Pressure Area** over North Chattisgarh (India) and adjoining areas today lies over Northeastern Madhya Pradesh (India) and adjoining areas. Trough of **Westerly Wave** earlier over Northeastern Afghanistan and adjoining areas today lies over Northern parts of Pakistan with **Weak Seasonal Low** lies over Western Balochistan. **Weak moist currents** from both Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan upto 3000 feet.

4. For the ensuing 24 hours, FFD Lahore has predicted mainly dry weather over most parts of the country. However, isolated thunderstorm/rain may occur over **Rawalpindi, Gujranwala & Lahore Divisions of Punjab** and **Kalat Division of Balochistan** including upper catchment of all the Major Rivers of Indus River System during the same period. No significant rainfall events have been reported during past 24 hours by FFD, Lahore except for Punjab (Sharqpur=19 mm & Kasur=15 mm).

5. O/o Pakistan Commissioner for Indus Water (PCIW) is to ensure availability of latest **Flood/ Base Flow Data** on **Indian Structures/ Reservoirs** on **Rivers Sutlej, Beas** and **Ravi** presently close to their respective Maximum Conservation Levels (MCLs).

6. **PDMA/DDMA**s are advised to remain **Alert & Vigilant** for required timely actions on warnings issued by the concerned organizations.

7. 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.

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21. Chief Secretary, Government of Sindh, Karachi.
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23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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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 the 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, Government 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 22-09-2022

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Rivers and Reservoir Positions September 22, 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	102,000	98,000	87,000	97,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	128,000	120,000	88,000	80,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	146,000	123,000	108,000	89,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	138,000	116,000	110,000	89,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	135,000	103,000	87,000	76,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	23,000	92,000	83,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	24,000	2,000	231,000	199,000	Normal	650,000
River Kabul									
• Warsak	540,000				14,000		12,000	Normal	200,000
• Nowshera		450,000	29-07-2010		18,000		24,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		6,000		6,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		7,000		7,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		7,000		5,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	19,000	17,000	14,000	22,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	24,000	5,000	15,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	38,000	13,000	32,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	13,000	6,000	8,000	NIL	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	4,000	13,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	28,000	12,000	21,000	4,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	30,000	15,000	14,000	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		23,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	38,000	11,000	26,000	NIL	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	23,000	7,000	17,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	4,000	16,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	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	1550.00	1520.95	1550.00	5.827	4.287	5.827	100 %
Chashma	649.00	638.15	646.30	646.70	648.20	0.278	0.176	0.237	85.25 %
Mangla	1242.00	1050.00	1236.50	1189.70	1192.50	7.356	3.712	3.878	52.72 %
Total Live Storage						13.461	8.175	9.942	73.86 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	25.0 °C	30.5 °C	+ 5.5 °C
Minimum	11.3 °C	10.4 °C	- 0.9 °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"