



**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 OCTOBER 01, 2022**


Presently, all main rivers of Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are discharging "**Normal Flows**". Main rivers inflows/outflows at important control structures including storage position of major reservoirs and Skardu temperature at 0600 hours today may be seen at **Annexure-I**.

2. At present **Tarbela Dam** is at **Elevation of 1549.14 feet** against **MCL of 1550.00 feet**, whereas **Mangla Reservoir** is at **Elevation of 1189.20 feet** against its **MCL of 1242.00 feet**. Today's Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **9.586 MAF** (i.e. **72.21 %** of total **13.461 MAF**).

3. According to FFD, Lahore yesterday's weak trough of **Westerly Wave** over Northern parts of Afghanistan today lies over Northeastern parts of Afghanistan, while **Weak Seasonal Low** prevails over Northeastern Balochistan. At present, **Light moist currents** from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet.

4. For the ensuing 24 hours, FFD, Lahore has predicted **scattered thunderstorm/rain of Moderate Intensity** over **Islamabad, Rawalpindi Division (Punjab)** and **Peshawar Division (Khyber Pakhtunkhwa)** including upper catchments of Rivers Indus & Jhelum. For the same time span mainly dry weather has been predicted over rest of the country. No significant rainfall event has been reported by FFD, Lahore during the past 24 hours except for the **Khyber Pakhtunkhwa** (Buner=08 mm).

5. 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.
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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.

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12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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17. Director General, Pakistan Meteorological Department, Islamabad.
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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.
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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 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 01-10-2022

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Rivers and Reservoir Positions October 01, 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	83,000	56,000	63,000	135,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	111,000	103,000	79,000	71,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	106,000	90,000	113,000	93,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	108,000	89,000	83,000	62,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	84,000	74,000	60,000	47,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	69,000	54,000	45,000	34,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	21,000	21,000	131,000	101,000	Normal	650,000
River Kabul									
• Warsak	540,000				NR		18,000	Normal	200,000
• Nowshera		450,000	29-07-2010		14,000		18,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		NR		5,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		NR		5,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		NR		5,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	14,000	28,000	12,000	24,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	26,000	5,000	19,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	28,000	5,000	21,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	1,000	8,000	NIL	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	3,000	16,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	5,000	29,000	11,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	4,000	11,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		8,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	30,000	NIL	29,000	2,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	18,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	17,000	3,000	21,000	8,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1546.23	1511.38	1549.14	5.827	3.803	5.777	99.14 %
Chashma	649.00	638.15	645.00	647.10	645.00	0.278	0.190	0.125	44.96 %
Mangla	1242.00	1050.00	1229.85	1186.85	1189.20	7.356	3.553	3.684	50.08 %
Total Live Storage						13.461	7.546	9.586	72.21 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	30.7 °C	26.4 °C	-4.3 °C
Minimum	10.5 °C	8.2 °C	-2.3 °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"