



**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission**

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, JULY 12, 2023**

All the major rivers of Indus River System are flowing under “Normal Flow Condition” except for **River Sutlej** which is in “**Low Flood**” at **Ganda Singh Wala** (First flow measuring station in Pakistan on river Sutlej). **Annexure-I**, depicts Inflows/ Outflows of major rivers at important control structures, storage position of reservoirs besides Skardu temperature. As of today, Combined Live Storage of the country's three major reservoirs is **62.80%** of the maximum (i.e; **8.442 MAF** Vs **13.443 MAF**).


2. At present, a fresh Westerly Wave trough is over Northern parts of Iran and Seasonal Low over Northern Balochistan. Arabian Sea **Light to Moderate moist currents** are penetrating into upper parts of Pakistan upto 5000 feet.

3. Mainly dry weather has been predicted by FFD, Lahore over most parts of the country during next 24 hours. Nevertheless, **Isolated Thunderstorm/Rain** may occur over **Gujranwala, Sargodha & Lahore Divisions of Punjab** including upper catchments of rivers Sutlej, Ravi & Chenab during the same period. No significant rainfall event has been experienced during the past 24 hours.

4. For the ensuing 48 hours, **Scattered Thunder Storm/ Rain** of **Light to Moderate Intensity** may occur over **Islamabad and Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Bahawalpur Divisions)** including upper catchments of all the major rivers of IRS. This may cause **Medium to High Level Flooding** in river **Sutlej** at **Ganda Singh Wala**. From **14th to 16th July 2023**, there is a likelihood of **Scattered to Widespread Thunderstorm/Rain** with **Heavy Falls** at isolated places over upper catchments of all the major rivers of IRS. That may result in enhanced flows in rivers Kabul & Indus (including their tributaries) and river Jhelum.

5. All concerned organizations including PDMA's/ DDMA's (especially Punjab) are advised to remain Fully Alert & Vigilant, take timely actions on warnings issued by the concerned organizations (especially in the context of increasing discharge in River Sutlej) to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage, flood protection & river training infrastructure etc.

6. PMD Islamabad through FFD, Lahore the main **Apex Flood Forecasting body at the national level** is closely monitoring the present weather system and is keeping all concerned organizations fully cognizant of the situation.


(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.

Distribution:

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 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)/2023, dated 12-07-2023

Rivers and Reservoir Positions July 12, 2023 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	253,000	158,000	143,000	117,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	211,000	203,000	181,000	174,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	215,000	210,000	219,000	215,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	203,000	177,000	222,000	196,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	145,000	112,000	188,000	148,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	90,000	50,000	141,000	86,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	20,000	NIL	71,000	30,000	Normal	650,000
River Kabul									
• Warsak	540,000				25,000		22,000	Normal	200,000
• Nowshera					72,000		43,000	Normal	200,000
River Swat									
• Chakdara Bridge					14,000		12,000	Normal	150,000
• Munda(H. Works)					12,000		13,000	Normal	150,000
• Charsadda Road	150,000				14,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	35,000	13,000	45,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	82,000	55,000	67,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	53,000	47,000	74,000	66,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	70,000	48,000	71,000	61,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	52,000	36,000	91,000	78,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	9,000	26,000	12,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		24,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		13,000		22,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	5,000	43,000	25,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	14,000	5,000	22,000	7,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 19.10	57,000	Low Flood (R)	
• Suleimanki	325,000	598,872	08-10-1955	14,000	3,000	31,000	19,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	5,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1440.75	1482.00	1517.31	5.809	2.393	4.019	69.19 %
Chashma	649.00	638.15	644.90	647.80	646.80	0.278	0.219	0.179	64.39 %
Mangla	1242.00	1050.00	1156.55	1123.25	1198.60	7.356	0.860	4.244	57.69 %
Total Live Storage						13.443	3.472	8.442	62.80 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.6 °C	28.7 °C	0.1 °C
Minimum	14.3 °C	13.4 °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 freeboard

"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: (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.