



**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
MONDAY, JULY 10, 2023**

Heavy rainfall in the catchment areas of **River Chenab** has resulted in flooding situation at its various control structures. At the time of reporting today (0600 hours) it was flowing in “**Medium Flood Category**” in its reaches “**Marala-Khanki-Qadirabad**”. All other major rivers of Indus River System (IRS) are flowing under “Normal Flow Condition”. **Annexure-I** depicts Inflows/ Outflows of main rivers at important control structures, storage position of reservoir including Skardu temperature at 0600 hours today. Present Combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) is **8.279 MAF** Vs **2.817 MAF** of last year at the same date against total value of **13.443 MAF**.

2. According to FFD, Lahore, deep trough of Westerly Wave earlier over Northern parts of Pakistan today lies over Kashmir & adjoining areas and is moving away in eastwards direction. Weak Seasonal Low lies over Northern Balochistan. Yesterday's Upper Air Cyclonic Circulation (main source of streams of air at higher altitude) over Western Rajasthan (India) has moved away northeastwards and has become insignificant for Pakistan. **Light to Moderate moist currents** from Bay of Bengal are penetrating into upper catchments of river Sutlej up to 5000 feet.

3. **Weather and Flood Forecast for Next 24 hours:**

- **Widespread Wind Thunderstorm/ Rain with Heavy Falls** at isolated places and **Very Heavy falls** at **one/two** places are expected over the upper catchments of river Sutlej.
- **Scattered Wind Thunderstorm/ Rain of Light to Moderate Intensity** is expected over **Islamabad, Punjab (Rawalpindi & Sargodha Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu, D.I. Khan Divisions)** including upper catchments of rivers Indus, Jhelum, Chenab & Ravi.
- **Isolated thunderstorm/ rain** may also occur over **Lahore, D.G Khan & Multan Divisions of Punjab, Northeastern Balochistan and Southeast Sindh.**


As a result, there is a likelihood of:

- **Medium to High Level Flooding in river Ravi at Jassar** (1st Control Station in Pakistan on River Ravi).
- **Medium Level Flooding** in the Nullahs of **river Ravi.**

4. Substantial rainfall activity has been experienced all over the country (**especially in Punjab and Khyber Pakhtunkhwa**) during the past 24 hours. **Annexure-II** is referred.

5. In view of the above, all concerned organizations including PDMAs/ DDMA's (especially Punjab) are strictly advised to remain **Fully Alert & Vigilant**, take timely actions on warnings issued by the concerned organizations (especially in the context of flood generating discharges in eastern rivers) to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage, flood protection & river training infrastructure etc.

6. The current wet spell is likely to subside further during next 48 hours. FFD, Lahore the main **Apex Flood Forecasting arm of PMD at the national level** is closely monitoring the present weather system and is keeping all concerned organizations fully abreast of the weather and flood 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.

Distribution:

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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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.
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17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
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22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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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 10-07-2023

Rivers and Reservoir Positions July 10, 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	274,000	201,000	168,000	164,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	184,000	177,000	210,000	203,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	218,000	211,000	235,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	197,000	177,000	266,000	201,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	121,000	89,000	189,000	150,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	73,000	33,000	145,000	90,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	21,000	NIL	65,000	30,000	Normal	650,000
River Kabul									
• Warsak	540,000				48,000		29,000	Normal	200,000
• Nowshera					71,000		59,000	Normal	200,000
River Swat									
• Chakdara Bridge					20,000		14,000	Normal	150,000
• Munda(H. Works)					12,000		18,000	Normal	150,000
• Charsadda Road	150,000				15,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	32,000	17,000	54,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	11,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	87,000	61,000	184,000	168,000	Med Flood (R)	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	74,000	67,000	194,000	187,000	Med Flood (R)	400,000
• Qadirabad	900,000	948,530	11-9-1992	72,000	50,000	175,000	160,000	Med Flood (R)	400,000
• Trimmu	875,000	943,225	08-7-1959	50,000	33,000	35,000	21,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	4,000	22,000	8,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		35,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		12,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	5,000	41,000	14,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	5,000	22,000	7,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	14,000	3,000	22,000	11,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	2,000	1,000	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	1437.20	1471.24	1517.21	5.809	1.934	4.014	69.10 %
Chashma	649.00	638.15	643.00	644.70	647.00	0.278	0.118	0.186	66.91 %
Mangla	1242.00	1050.00	1154.40	1120.70	1195.85	7.356	0.765	4.079	55.45 %
Total Live Storage						13.443	2.817	8.279	61.59 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	35.0 °C	24.7 °C	- 10.3 °C
Minimum	19.3 °C	14.3 °C	- 5.0 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Attock	60
2.	Islamabad	18
3.	Kamra	30
B	Khyber Pakhtunkhwa	
4.	Cherat	35
5.	Takht Bai	26
6.	Risalpur	20
7.	Saidu Sharif	13
8.	Bannu	11
9.	Parachinar	10
10.	Mamad Gut	07
11.	Daggar	06
C	Sindh	
12.	Badin	16
D	Balochistan	
13.	Zhob	12
E	Gilgit-Baltistan	
14.	Hunza	06
F	A J & K	
15.	Chattar Kallas & Domel	06 each
16.	Garhi Dopatta	05

Source: FFD, Lahore (Phone No. 042 99200139)