



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**  
**FRIDAY, JULY 14, 2023**

All major rivers i.e. Indus, Jhelum, Chenab and Ravi are flowing under "Normal Flow Condition" except for **River Sutlej** which is presently in **Low Flood** at **Suleimanki** (1<sup>st</sup> control structure in Pakistan). For major rivers inflows/outflows at specified control structures including reservoir storage position **Annexure-I** is referred. Present combined live storage is **8.555 MAF** which is **63.64%** of total **13.443 MAF**.

2. As per FFD Lahore Arabian Sea **Moderate Moist currents** were penetrating into upper parts of Pakistan up to 5000 feet at the reporting time. They are likely to strengthen. Westerly Wave trough today prevails over Northeastern Afghanistan. Further to this **Well-Marked Seasonal Low** lies over Northern Balochistan with its trough extending northwards.

3. **For the ensuing 24 hours, Scattered Wind Thunderstorm/ Rain of Light to Moderate Intensity with Isolated Heavy Falls** is expected over **Islamabad, Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G. Khan & Bahawalpur Divisions of Punjab** and **Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa** including over the upper catchments of all the major rivers of IRS. **Isolated Wind Thunderstorm/Rain** may also occur over **Northeastern Balochistan** during the same period.

4. No significant rainfall event has reported during past 24 hours except for 29 mm each for Faisalabad and Bahawalpur (**Punjab**).

5. **For the next 2 days, there is a likelihood of Scattered to Widespread Wind Thunderstorm/ Rain of Light to Moderate Intensity with Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, DG Khan & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers of IRS besides, **Isolated Wind Thunderstorm/Rain** over **Northeastern Balochistan**.

6. **Next One Week Weather Forecast (15<sup>th</sup>-21<sup>st</sup> July 2023):**

- **Scattered to Widespread Wind Thunderstorm/Rain with Heavy Falls at isolated places** are expected over the upper catchments of all the major rivers from **15<sup>th</sup> to 16<sup>th</sup> July, 2023**.
- **Scattered wind thunderstorm/rain of Light to Moderate Intensity with one/two Heavy Falls** is likely to continue during rest of the period.

7. **PDMA Punjab, besides all concerned organizations are advised to remain Fully Alert & Vigilant, take prompt actions on warnings issued, in particular in the context of discharges 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.**

8. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned organizations fully cognizant of the situation.

(Ahmed Kamal)  
Chief Engineering Adviser/  
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 14-07-2023**

## Rivers and Reservoir Positions July 14, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	200,000	95,000	145,000	148,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	191,000	183,000	178,000	171,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	273,000	263,000	190,000	186,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	203,000	177,000	211,000	192,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	169,000	134,000	197,000	157,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	107,000	67,000	143,000	88,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	20,000	NIL	66,000	24,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				34,000		22,000	Normal	200,000
• Nowshera					59,000		38,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					18,000		12,000	Normal	150,000
• Munda( H. Works)					13,000		12,000	Normal	150,000
• Charsadda Road	150,000				13,000		12,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	30,000	12,000	50,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	15,000	NIL	3,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	71,000	44,000	66,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	51,000	45,000	55,000	48,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	50,000	28,000	51,000	41,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	57,000	42,000	71,000	57,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	27,000	16,000	30,000	15,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		4,000		23,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	6,000	43,000	26,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	16,000	4,000	23,000	7,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 20.30	75,000	Low Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	14,000	4,000	58,000	58,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	13,000	12,000	Normal	175,000

### B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1450.44	1489.82	1517.02	5.809	2.729	4.004	68.93 %
Chashma	649.00	638.15	645.50	649.00	644.70	0.278	0.278	0.118	42.45 %
Mangla	1242.00	1050.00	1161.00	1125.55	1201.60	7.356	0.941	4.433	60.26 %
<b>Total Live Storage</b>						<b>13.443</b>	3.948	8.555	63.64 %

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / - )
Maximum	32.4 °C	33.6 °C	1.2 °C
Minimum	19.4 °C	13.3 °C	- 6.1 °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.