



**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**  
**THURSDAY, JULY 13, 2023**

Owing to heavy rainfall in the upper catchments of River Sutlej, it is flowing in “Medium Flood” at Ganda Singh Wala (1<sup>st</sup> flow measuring station in Pakistan on river Sutlej) and in “Low Flood” at Head Suleimanki (1<sup>st</sup> control structure d/s Ganda Singh Wala) at the time of reporting today (0600 hrs). Rivers Indus, Jhelum, Chenab and Ravi are flowing under “Normal Flow Condition” (Annexure-I). Combined Live Storage of the country's three major reservoirs as of today is **8.507 MAF (63.28% of 13.443 MAF)**.


2. At present, **Light to Moderate Moist currents** from Arabian Sea are penetrating into upper parts of Pakistan up to 5000 feet which may strengthen. Yesterday's trough of Westerly Wave over Northern parts of Iran today lies over Northern parts of Afghanistan with Seasonal Low prevailing over Northern Balochistan having its trough extending Northwards.

3. For the ensuing 24 hours FFD, Lahore has predicted **Scattered Wind Thunderstorm/ Rain** of **Light to Moderate Intensity** with **one/two Heavy Falls** over **Islamabad, Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G. Khan & Bahawalpur Divisions of Punjab** including upper catchments of all the major rivers of IRS. **Medium Level Flooding in River Sutlej at Ganda Singh Wala** may continue during the same period. Little rainfall activity has been observed during last 24 hours (Annexure-II).

4. For the extended period (**14<sup>th</sup> to 16<sup>th</sup> July 2023**), **Scattered to Widespread Wind Thunderstorm/ Rain** of **Light to Moderate Intensity** with **Isolated Heavy Falls** have been predicted over **Islamabad and Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G. Khan & Bahawalpur Divisions)** including upper catchments of all the major rivers of IRS. For the same period, **scattered wind thunderstorm/ rain of light to moderate intensity** may also occur over **Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa (Source: FFD, Lahore)**.

5. **Especially PDMA Punjab**, besides all concerned organizations are advised to remain **Fully Alert & Vigilant**, take prompt actions on warnings issued, **especially 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.

6. 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 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.
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8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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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.
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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 13-07-2023**

## Rivers and Reservoir Positions July 13, 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	217,000	134,000	139,000	127,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	202,000	194,000	167,000	160,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	255,000	249,000	200,000	195,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	202,000	176,000	216,000	196,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	156,000	123,000	190,000	149,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	100,000	59,000	141,000	86,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	19,000	NIL	68,000	26,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				24,000		25,000	Normal	200,000
• Nowshera					69,000		38,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					10,000		12,000	Normal	150,000
• Munda( H. Works)					11,000		12,000	Normal	150,000
• Charsadda Road	150,000				14,000		12,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	29,000	21,000	60,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	11,000	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	72,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	48,000	42,000	57,000	50,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	50,000	28,000	53,000	43,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	56,000	41,000	104,000	90,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	24,000	14,000	30,000	15,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		5,000		21,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		13,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	5,000	45,000	28,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	14,000	2,000	20,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 21.80	114,000	Med Flood (R)	
• Suleimanki	325,000	598,872	08-10-1955	14,000	3,000	62,000	62,000	Low Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	10,000	9,000	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	1445.13	1486.00	1517.31	5.809	2.565	4.019	69.19 %
Chashma	649.00	638.15	644.80	649.00	646.30	0.278	0.278	0.153	55.04 %
Mangla	1242.00	1050.00	1158.75	1124.15	1200.10	7.356	0.896	4.335	58.93 %
<b>Total Live Storage</b>						<b>13.443</b>	3.739	8.507	63.28 %

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + /- )
Maximum	32.4 °C	31.7 °C	- 0.7 °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.

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**Significant Rainfall Events during the Past 24 Hours**

<b>Sr. No.</b>	<b>City/Observatory</b>	<b>Rainfall (mm)</b>
<b>A</b>	<b>Punjab</b>	
1.	Mangla	18
2.	Mandibahauddin & Jhelum	17 each
3.	Chunian	08
4.	Hafizabad	06
<b>C</b>	<b>A J &amp; K</b>	
5.	Rawalakot	28
6.	Kotli	17
7.	Bandi Abbaspur & Palandri	14 each

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