



**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**  
**TUESDAY, JULY 11, 2023**

Except for **River Chenab** which is flowing in “**Low Flood**” at **Qadirabad (Khanki downstream)**, all other major rivers i.e. Indus, Jhelum, Ravi & Sutlej are flowing under “Normal Flow Condition” at reporting time today (0600 hrs). Inflows/ Outflows of major rivers at important control structures, storage position of reservoirs including Skardu temperature may be seen **Annexure-I**. Combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) as of today is **8.359 MAF (62.18%** of Maximum Live Storage Capacity of **13.443 MAF**). It was just **3.163 MAF** last year on the same date.


2. Yesterday's deep trough of Westerly Wave over Kashmir and adjoining areas has moved away Eastwards. Moist currents both from Arabian Sea and Bay of Bengal have temporarily been cut off. Also at present, Weak Seasonal Low lies over Northwestern Balochistan (**Source: FFD Lahore**).

3. **For the ensuing 24 hours, FFD, Lahore** has predicted **Scattered Thunderstorm/Rain** over the upper catchment of river **Sutlej**. **Isolated Thunderstorm/Rain** may also occur over upper catchments of other major rivers of IRS (except river **Sutlej**) besides, dry weather over rest of the country during the same period. **For the next 72 hours, Medium to High Level Flooding** is expected in **river Sutlej at Ganda Singh Wala** (First Control Station in Pakistan on river Sutlej).

4. During the period from **14<sup>th</sup> to 15<sup>th</sup> July, 2023, Scattered to widespread thunderstorm/rain** with **Heavy Falls** at **Scattered Places** and **Very Heavy Falls** at **Isolated Places** are expected over the upper catchments of rivers Kabul, Indus & Jhelum resulting into increased flows in these rivers including tributaries of rivers Indus & Kabul. No significant rainfall event has been experienced during the past 24 hours except for GB (Bagrote =05 mm).

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. 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 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.
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.
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10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
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15. Chairman, National Highway Authority, 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.
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.
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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 11-07-2023**

## Rivers and Reservoir Positions July 11, 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	283,000	157,000	155,000	113,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	183,000	176,000	199,000	192,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	203,000	177,000	230,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	216,000	210,000	223,000	197,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	143,000	111,000	189,000	149,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	82,000	44,000	145,000	90,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	21,000	NIL	73,000	33,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				44,000		31,000	Normal	200,000
• Nowshera					65,000		51,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					21,000		13,000	Normal	150,000
• Munda( H. Works)					12,000		15,000	Normal	150,000
• Charsadda Road	150,000				13,000		14,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	27,000	12,000	50,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	14,000	NIL	3,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	87,000	61,000	101,000	84,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	65,000	59,000	94,000	86,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	72,000	50,000	129,000	114,000	Low Flood (F)	400,000
• Trimmu	875,000	943,225	08-7-1959	46,000	28,000	32,000	18,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	20,000	13,000	22,000	8,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		4,000		36,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		13,000		28,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	33,000	6,000	35,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	5,000	23,000	7,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	14,000	3,000	24,000	12,000	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	1438.45	1477.00	1517.21	5.809	2.179	4.014	69.10 %
Chashma	649.00	638.15	643.20	646.30	646.80	0.278	0.163	0.179	64.39 %
Mangla	1242.00	1050.00	1155.30	1122.35	1197.30	7.356	0.821	4.166	56.63 %
<b>Total Live Storage</b>						<b>13.443</b>	3.163	8.359	62.18 %

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	30.8 °C	25.6 °C	- 5.2 °C
Minimum	19.4 °C	15.4 °C	- 4.0 °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.