



**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 18, 2023**

Discharge in River Sutlej has receded and now it is discharging “**Normal**” flows at Suleimanki and Islam Headworks. Rivers Jhelum, Chenab, Ravi and Kabul are also presently in Normal Flow Condition, besides **River Indus** which is only in **Low Flood** at **Tarbela (Annexure-I)**. By virtue of good management of inflows/outflows by the Dam Management Authorities presently there exists healthy Combined Live Storage of **8.890 MAF (66.13%** of maximum live storage of **13.443 MAF)**.

2. Bay of Bengal **Monsoon Low** earlier over West Jharkhand (India) and adjoining areas presently lies over East Madhya Pradesh (India) after moving westwards. Regarding other two weather systems: Westerly Wave trough today prevails over Northwestern parts of Afghanistan, with Seasonal Low lies over Northwestern Balochistan. At present, **Light to Moderate Moist currents** both from Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan up to 5000 feet which are likely to become strong.

3. **For the ensuing 24 hours, Scattered Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls** are expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Multan, Sahiwal, D.G. Khan & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** besides over the upper catchments of all the major rivers of IRS. During the same period **Isolated Wind Thunderstorm/ Rain** may also occur over **Zhob, Loralai, Sibbi, Nasirabad & Kalat Divisions of Balochistan**.

4. **Present Wet Spell** is likely to become “**More Marked & Noticeable**” during the next 48 hours. This may as a consequence result into **Light to Moderate Rain** over **Southeastern Sindh**. Further during the extended period (**July 19-25, 2023**) the meteorological condition may cause:

- **Scattered to widespread wind thunderstorm/rain of moderate intensity with isolated heavy falls** over upper catchments of all the major rivers (**19th to 23rd July 2023**); &
- **Widespread thunderstorm/ rain with heavy to very heavy rainfall at scattered places** over the upper catchments of rivers **Chenab, Ravi & Sutlej (23rd to 24th July 2023)**.

5. In view of above, flows may increase in rivers **Chenab, Ravi & Sutlej** including their associated Nullahs (**23rd July 2023**).

6. No noticeable rainfall has been experienced during the past 24 hours except 10 mm for Kamra (Punjab) and 15 mm for Muzaffarabad (AJ&K).

7. Pakistan Meteorological Department (PMD) through FFD, Lahore, being the Apex Flood Forecasting Agency at the National level, is monitoring the current weather situation on Round-the-Clock basis and keeping all informed as per its SOPs.

(Ahmed Kamal)
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2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.

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30. Secretary, Irrigation Department, Government of Sindh, Karachi
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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 18-07-2023

Rivers and Reservoir Positions July 18, 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	135,000	163,000	200,000	253,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	132,000	124,000	226,000	218,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	202,000	188,000	215,000	210,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	211,000	192,000	190,000	172,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	218,000	190,000	184,000	144,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	165,000	132,000	130,000	74,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	39,000	20,000	71,000	28,000	Normal	650,000
River Kabul									
• Warsak	540,000				26,000		34,000	Normal	200,000
• Nowshera					50,000		51,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		12,000	Normal	150,000
• Munda(H. Works)					12,000		13,000	Normal	150,000
• Charsadda Road	150,000				13,000		12,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	25,000	13,000	53,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	11,000	NIL	4,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	27,000	95,000	67,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	35,000	28,000	71,000	64,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	37,000	15,000	63,000	53,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	49,000	34,000	35,000	21,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	39,000	32,000	43,000	28,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		30,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	12,000	45,000	28,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	18,000	11,000	27,000	12,000	Normal	90,000
River Sutlej									
• G.S. Wala	325,000	598,872	08-10-1955	21,000	16,000	Gauge 16.00	20,000	Normal	175,000
• Suleimanki	332,000	492,581	11-10-1955	4,000	4,000	45,000	45,000	Normal	175,000
• Islam						19,000	19,000	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	1460.44	1499.06	1515.67	5.809	3.149	3.936	67.76 %
Chashma	649.00	638.15	647.60	645.70	646.50	0.278	0.145	0.170	61.15 %
Mangla	1242.00	1050.00	1166.90	1129.40	1206.95	7.356	1.050	4.784	65.04 %
Total Live Storage						13.443	4.344	8.890	66.13 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	31.6 °C	32.2 °C	0.6 °C
Minimum	14.4 °C	16.4 °C	2.0 °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.