



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
SUNDAY, AUGUST 06, 2023

Rivers Indus in Guddu –Sukkur reach and Sutlej in Sulemanki – Islam reach are experiencing **Low Flood** presently. Rest of the major rivers of Indus River System (Jhelum, Chenab & Ravi) are discharging normal flows. **Annexure-I** indicates discharges (inflows/ outflows) of major rivers including storage position of country's major reservoirs, temperature at Skardu. Present Combined Live Storage of major reservoirs (Tarbela, Chashma & Mangla) is **12.367 MAF** i.e. **92%** of the total value of **13.443 MAF**.


2. **Tarbela and Mangla Reservoirs** have attained more than **90%** of their respective maximum live storages (**Tarbela: 95.06%**, **Mangla: 92.00%**). Tarbela Dam Management and Mangla Dam Flood Mitigation Committee (FMC) are exercising maximum vigilance and care in further impounding of these reservoirs well in accordance with the existing SOPs including Dam Safety Guidelines.

3. As per Flood Forecasting Division (FFD) Lahore, yesterday's trough of Westerly Wave over Northern parts of Pakistan has moved away eastwards, whereas Seasonal Low continues to prevail over Northern Balochistan. At the reporting time, light moist currents from Arabian Sea are penetrating into upper parts of Pakistan up to 4000 feet.

4. **For the next 24 hours FFD, Lahore**, has predicted thunderstorm rain of **Light to Moderate Intensity** at isolated places over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G.Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar Division)** including upper catchments of all the major rivers of IRS. Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

5. **Tarbela and Mangla Dam Management organizations besides all related departments are advised to remain Alert & Vigilant. Take prompt response on warnings issued and ensured safety of communities living in low lying areas including the public & private properties, irrigation, drainage, flood protection & river training infrastructure etc.**

6. Round-the-Clock monitoring of the prevailing weather system is being exercised by the Flood Forecasting Division, Lahore and is keeping all concerned organizations fully abreast of the current 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.
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.

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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.
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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. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
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 06-08-2023

Rivers and Reservoir Positions August 06, 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	161,000	106,000	236,000	157,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	120,000	114,000	211,000	203,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	197,000	179,000	258,000	249,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	141,000	139,000	196,000	181,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	417,000	387,000	249,000	220,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	356,000	316,000	306,000	254,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	188,000	171,000	229,000	189,000	Normal	650,000
River Kabul									
• Warsak	540,000				24,000		26,000	Normal	200,000
• Nowshera					42,000		49,000	Normal	200,000
River Swat									
• Chakdara Bridge					17,000		12,000	Normal	150,000
• Munda(H. Works)					10,000		15,000	Normal	150,000
• Charsadda Road	150,000				11,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	37,000	9,000	42,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	65,000	38,000	82,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	53,000	47,000	65,000	58,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	46,000	27,000	59,000	49,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	61,000	55,000	56,000	47,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	84,000	73,000	146,000	132,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		26,000		22,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		18,000		28,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	18,000	49,000	32,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	22,000	13,000	31,000	14,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 19.00	56,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	15,000	10,000	70,000	58,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	10,000	9,000	65,000	64,000	Low Flood (F)	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	1543.00	1539.31	1545.00	5.809	5.217	5.522	95.06 %
Chashma	649.00	638.15	643.00	648.50	643.00	0.278	0.253	0.078	28.06 %
Mangla	1242.00	1050.00	1197.35	1161.30	1234.50	7.356	2.256	6.767	92.00 %
Total Live Storage						13.443	7.726	12.367	92.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	30.0 °C	31.3 °C	1.3 °C
Minimum	17.0 °C	17.3 °C	0.3 °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.	Mandi-Bahauddin	38
2.	Islamabad	{Golra=30, New Airport=28, Shamsabad=17, Chaklala Airbase=07 & Zeropoint=06}
3.	Toba Tek Singh & Jamli Balochan (Khushab)	24 each
4.	Chakwal	20
5.	Faisalabad	{Madina Town & Dogar Basti =12 each}
6.	Kallar	13
7.	Narowal	06
B	Khyber Pakhtunkhwa	
8.	Risalpur	16
9.	Daggar	13
10.	Bosak Bidge	06
11.	Pashat-Bajaur	05
C	GB	
12.	Astore	20
13.	Babusar	17
D	AJ&K	
14.	Garhi Dopatta	08

Source: FFD, Lahore (042-99200139)