



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, AUGUST 09, 2023

Tarbela and **Mangla** reservoirs are approaching their respective Maximum Conservation Levels. **Tarbela dam 2.00 feet** live storage left with **Mangla dam 5.05 feet** live storage left. Both Dam Managements are exercising extreme care in reservoir operation remaining well within the SOPs and dam safety guidelines. Since the last two days Skardu temperature is indicating a drop of 6.5°C to 7.1°C compared to last year's temperature.

2. As regards river flows, river **Indus** and **Sutlej** are in Low flood at **Kalabagh, Chashma, Guddu, Kotri & Islam** respectively with rest of the rivers discharging normally. For individual details **Annexure-I** is referred.


3. As per FFD, Lahore, Arabian Sea Seasonal Low is persisting over Northern Balochistan bringing moist currents which are penetrating into upper parts of Pakistan up to 3000 feet. Further, Westerly Wave trough today prevails over Northern parts of Pakistan.

4. For the next 24 hours, mainly dry weather has been predicated by FFD, Lahore over most parts of the country. Nonetheless, **Thunderstorm/ Rain of Light to Moderate Intensity** at isolated places may occur over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & DG Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar Division)** including upper catchments of all major rivers of IRS during this period. Very little rainfall activity has been experienced during past 24 hours {13 mm for Sialkot (Punjab) and 11 mm for Rawalakot (AJ&K)}.

5. For the extended period, FFD, Lahore has predicted a fresh wet spell of **moderate intensity (scattered to widespread places)** with **isolated heavy falls** over the upper catchments of all the major rivers of IRS from **13th August, 2023**.

6. All concerned organizations are advised to remain **ALERT**, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties.

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned 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.
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.

Distribution:

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. 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 09-08-2023

Rivers and Reservoir Positions August 09, 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	180,000	158,000	255,000	156,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	155,000	149,000	284,000	276,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	176,000	159,000	295,000	279,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	144,000	128,000	237,000	220,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	213,000	181,000	290,000	259,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	329,000	288,000	221,000	167,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	205,000	192,000	258,000	221,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000				24,000		31,000	Normal	200,000
• Nowshera					38,000		50,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		12,000	Normal	150,000
• Munda(H. Works)					8,000		14,000	Normal	150,000
• Charsadda Road	150,000				8,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	40,000	6,000	37,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	92,000	66,000	72,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	63,000	57,000	57,000	50,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	46,000	27,000	55,000	45,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	52,000	46,000	68,000	59,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	65,000	54,000	76,000	61,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		15,000		14,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		17,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	44,000	25,000	44,000	25,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	20,000	9,000	39,000	22,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 18.70	51,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	12,000	6,000	58,000	45,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	12,000	11,000	58,000	56,000	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	1540.00	1541.70	1548.00	5.809	5.352	5.694	98.02 %
Chashma	649.00	638.15	645.00	648.50	643.00	0.278	0.253	0.078	28.06 %
Mangla	1242.00	1050.00	1200.35	1164.90	1236.95	7.356	2.404	6.957	94.58 %
Total Live Storage						13.443	8.009	12.729	94.69 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	35.7 °C	29.2 °C	- 6.5 °C
Minimum	19.0 °C	14.3 °C	- 4.7 °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.