



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
SATURDAY, AUGUST 05, 2023

Out flows at Tarbela are less compared to yesterdays (**157,000 cusecs Vs 245,000 cusecs**). Also Indus flows at **Guddu and Sukkur** have receded from **Medium Flood to Low Flood** besides this, **River Sutlej** is also in **Low Flood** in **Suleimanki-Islam Reach**. Rest of the Rivers (Jhelum, Chenab & Ravi) are discharging normal flows. **Annexure-I** depicts today's major river Inflows/Outflows at important control structures besides levels & live storage, temperature at Skardu.

2. **Tarbela and Mangla Reservoirs** have attained more than **90%** of their respective maximum live storages (**Tarbela : 93.56% , Mangla : 91.10%**). 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. Bay of Bengal Monsoon Low earlier over Northeastern Madhya Pradesh (India) has become insignificant for Pakistan. Yesterday's trough of Westerly Wave over Northeastern Afghanistan today lies over Northern parts of Pakistan whereas Seasonal Low lies over Northern Balochistan. Light to moderate moist currents from the Arabian Sea are penetrating in to upper parts of the country up to 5,000 feet and are likely to be intensified during next 24 hours. The present wet spell of Moderate Intensity with Heavy Falls is likely to continue at isolated places over upper catchments of all the major rivers of IRS till 7th August 2023 and would decrease thereafter.

4. For the ensuing 24 hours, scattered wind thunderstorm/ rain of light to moderate intensity with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G.Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I.Khan Divisions)** are expected besides over the upper catchments of all the major rivers of IRS.

5. Some good rains have been experienced in Khyber Pakhtunkhwa and Punjab during the last 24 hours (**Annexure-II**).

6. **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.**

7. 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.

Distribution:

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.
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 05-08-2023

Rivers and Reservoir Positions August 05, 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	152,000	116,000	225,000	157,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	102,000	96,000	196,000	188,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	124,000	107,000	251,000	247,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	284,000	284,000	163,000	148,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	398,000	368,000	327,000	298,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	330,000	294,000	388,000	340,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	184,000	157,000	229,000	189,000	Normal	650,000
River Kabul									
• Warsak	540,000				24,000		26,000	Normal	200,000
• Nowshera					47,000		47,000	Normal	200,000
River Swat									
• Chakdara Bridge					16,000		14,000	Normal	150,000
• Munda(H. Works)					10,000		18,000	Normal	150,000
• Charsadda Road	150,000				12,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	35,000	10,000	45,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	63,000	38,000	82,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	37,000	31,000	63,000	55,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	44,000	25,000	59,000	49,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	88,000	84,000	52,000	47,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	96,000	85,000	149,000	135,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		10,000		21,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	22,000	43,000	25,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	21,000	13,000	41,000	25,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 19.00	56,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	20,000	16,000	75,000	64,000	Low Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	8,000	7,000	67,000	66,000	Low Flood (S)	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	1532.00	1537.56	1543.50	5.809	5.121	5.435	93.56 %
Chashma	649.00	638.15	640.70	648.50	644.00	0.278	0.253	0.100	35.97 %
Mangla	1242.00	1050.00	1196.05	1159.90	1233.65	7.356	2.192	6.701	91.10 %
Total Live Storage						13.443	7.566	12.236	91.02 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	31.0 °C	30.6 °C	- 0.4 °C
Minimum	15.5 °C	16.9 °C	1.4 °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.

Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY, AUGUST 05, 2023

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Gujranwala	102
2.	Islamabad	{Bokra=67, Saidpur-46, Golra-45, Chaklala Airbase=34, Zeropoint=24, New Airport=23 & Shamsabad-17}
3.	Chakwal	51
4.	Hafizabad	46
5.	Sialkot	44
6.	Mandi-Bahauddin	35
7.	Ravi Syphon	33
8.	Gujrat	20
9.	Mangla	17
10.	Murree & Kallar	13 each
11.	Kotnaina	09
12.	Daulatnagar	07
13.	Jhelum	05
B	Khyber Pakhtunkhwa	
14.	Buner	74
15.	Lower Dir	54
16.	Pashat-Bajaur	46
17.	Khaar-Bajaur	34
18.	Malam Jabba	28
19.	Tarbela	25
20.	Bosak Bidge & Daggar	13 each
21.	Kakul	08
22.	Dir & Balakot	07 each
C	AJ&K	
23.	Bandi Abbaspur	08

Source: FFD, Lahore (042-99200139)