



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
TUESDAY, AUGUST 29, 2023

Flood flows in **River Sutlej** are receding gradually. It is flowing in **Medium Flood** at **Ganda Singh Wala, Head Suleimanki** and **Head Islam** at reporting time today. Moreover, **River Indus** at **Guddu** is flowing in **Low Flood** with rising trend. All other rivers (i.e. Rivers Jhelum, Chenab, Ravi and Kabul) are discharging normal flows (refer **Annexure-I**).

2. **Mangla reservoir** has attained for the third time its Maximum Conservation Level of **1242 feet**, while **Tarbela reservoir** has attained for the fourth time its Maximum Conservation Level of **1550 feet**, respectively, during the current Monsoon Season.

3. According to FFD, Lahore, yesterday's trough of **Westerly Wave** over Kashmir and adjoining area has moved away eastwards. A fresh trough of **Westerly Wave** lies over Northern parts of Iran whereas a **Well-Marked Seasonal Low** lies over Eastern Balochistan. As a consequence, light to moderate moist currents from Arabian Sea are penetrating into central and upper parts of Pakistan up to 5000 feet.

4. For the next 24 hours, mainly dry weather has been predicted by FFD, Lahore over most parts of Pakistan. Nonetheless, **isolated wind thunderstorm/rain** of **Moderate Intensity** may occur over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Multan & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all major rivers of IRS during this period. Some noticeable rainfall events, observed during the past 24 hours, may be seen at **Annexure-II**.

5. For the extended period, FFD, Lahore has predicted a fresh wet spell of **Moderate Intensity** over the upper catchments of all the major rivers of IRS from **2nd September, 2023**.

6. Both Tarbela and Mangla Dam Management are advised to ensure **HIGH ALERT**, exercise utmost care in reservoirs operation as per respective SOPs and Dam Safety Guidelines besides ensuring **timely dissemination of flood warnings to the concerned District Administration and local population in the downstream areas (in case of any abnormal outflows)**.

7. Further especially **Punjab Irrigation Department** and **PDMA Punjab** are advised to continue state of **High Alertness**, enforce fool proof measures when needed as per Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

8. Pakistan Meteorological Department through FFD, Lahore is monitoring the prevailing weather conditions on Round-the-Clock basis and is keeping all concerned organizations fully abreast of the situation.


for (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.

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), Aiwana-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 29-08-2023

Rivers and Reservoir Positions August 29, 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	255,000	269,000	151,000	150,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	411,000	407,000	200,000	192,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	525,000	519,000	264,000	247,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	567,000	567,000	260,000	237,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	501,000	501,000	276,000	247,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	531,000	531,000	224,000	171,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	338,000	337,000	148,000	108,000	Normal	650,000
River Kabul									
• Warsak	540,000				91,000		20,000	Normal	200,000
• Nowshera					299,000		28,000	Normal	200,000
River Swat									
• Chakdara Bridge					31,000		8,000	Normal	150,000
• Munda(H. Works)					44,000		7,000	Normal	150,000
• Charsadda Road	150,000				45,000		6,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	42,000	10,000	16,000	18,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	15,000	12,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	60,000	33,000	46,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	42,000	35,000	29,000	21,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	41,000	21,000	23,000	13,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	51,000	39,000	79,000	69,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	58,000	51,000	94,000	77,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		22,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	31,000	8,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	22,000	8,000	26,000	8,000	Normal	90,000
River Sutlej									
• G.S. Wala							108,049	Med Flood (F)	
• Suleimanki	325,000	598,872	08-10-1955	20,000	9,000	99,000	85,000	Med Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	4,000	3,000	83,000	81,000	Med 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	1546.48	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	642.60	640.50	648.00	0.278	0.070	0.227	81.65 %
Mangla	1242.00	1050.00	1199.80	1184.30	1242.00	7.356	3.412	7.356	100 %
Total Live Storage						13.443	9.309	13.392	99.62 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+/-)
Maximum	27.5 °C	24.7 °C	- 2.8 °C
Minimum	15.2 °C	14.8 °C	- 0.4 °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 AND FLOOD SITUATION REPORT
TUESDAY, AUGUST 29, 2023**

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	Punjab	
1.	Layyah	33
2.	Joharabad	20
3.	Narowal	19
4.	Kallar	18
5.	Shorkot (Airbase)	07
6.	Mianwali & Noorpur Thal	06 each
7.	Toba Tek Singh	05
B.	Khyber Pakhtunkhwa	
8.	D.I.Khan	37
9.	Khaar-Bajaur	23
10.	Daggar	13
11.	Darashoot	12
12.	Bannu	10
13.	Mardan & Takht Bai	07 each
14.	Dir & Phulra	05 each
C.	Gilgit-Baltistan	
15.	Bagrote	15

Source: FFD, Lahore (Phone No. 042 99200139)