



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, SEPTEMBER 23, 2023

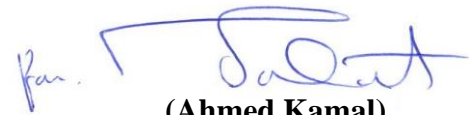
At present, all major rivers of the Indus River System (IRS) are flowing in "Normal Flow Condition". Water Level at **Tarbela reservoir** is **1547.82 feet** against its **Maximum Conservation Level (MCL)** of **1550 feet** and at **Mangla reservoir** it is **1231.55 feet** against its **MCL** of **1242 feet**. Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **12.325 MAF** which is **91.68%** of maximum live storage capacity of **13.443 MAF**. Detailed discharges of major rivers and storage position of reservoirs are highlighted in **Annexure-I**.

2. According to FFD, Lahore, yesterday's trough of Westerly Wave over Northeastern parts of Afghanistan today lies over Northern parts of Pakistan, while Seasonal Low lies over Eastern Balochistan. As a result, Moderate moist currents from Arabian Sea are penetrating into upper parts of Pakistan up to 7000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted **Scattered to Widespread Wind Thunderstorm/ Rain of Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab** and **Khyber Pakhtunkhwa** including the upper catchments of all the Major Rivers. For the same time period, **Isolated Wind Thunderstorm/ Rain** are also expected over **Northeastern Balochistan**. This wet spell is likely to continue during the next 48 hours. Significant rainfall events have occurred in **Punjab, Khyber Pakhtunkhwa** and **AJ&K** during the last 24 hours, especially at **Lahore=142 mm, Jhelum=74mm, Mangla=72mm & Narowal=46mm**. **Annexure-II** may be referred to for details.

4. All concerned organizations are advised to remain on **HIGH ALERT MODE** and ensure fool proof precautionary measures to avoid any loss to human lives and damage to public & private properties, in case of any emergency.

5. Pakistan Meteorological Department through FFD, Lahore continues to monitor the prevailing weather conditions over Pakistan and is keeping all concerned organizations fully abreast of the situation.


(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.
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.

Distribution:

9. Director General (Coord-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 Deptt., Govt. of Khyber Pakhtunkhwa, 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, Govt. 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, Govt. 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 23-09-2023

Rivers and Reservoir Positions September 23, 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	87,000	80,000	105,000	118,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	96,000	88,000	140,000	132,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	109,000	90,000	150,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	103,000	79,000	138,000	117,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	83,000	72,000	126,000	97,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	80,000	70,000	88,000	38,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	222,000	192,000	36,000	7,000	Normal	650,000
River Kabul									
• Warsak	540,000				13,000		15,000	Normal	200,000
• Nowshera					23,000		21,000	Normal	200,000
River Swat									
• Chakdara Bridge					6,000		5,000	Normal	150,000
• Munda (H. Works)					6,000		2,000	Normal	150,000
• Charsadda Road	150,000				6,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	15,000	18,000	13,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	17,000	NIL	32,000	12,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	31,000	4,000	34,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	NIL	13,000	6,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	14,000	NIL	23,000	1,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	20,000	3,000	31,000	18,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	NIL	39,000	21,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		13,000		28,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	26,000	NIL	45,000	22,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	18,000	NIL	29,000	11,000	Normal	90,000
River Sutlej									
• G.S. Wala							16,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	14,000	1,000	34,000	20,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	8,000	6,000	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	1520.27	1550.00	1547.82	5.809	5.827	5.684	97.85 %
Chashma	649.00	638.15	646.00	648.10	644.10	0.278	0.232	0.103	37.05 %
Mangla	1242.00	1050.00	1189.55	1192.20	1231.55	7.356	3.860	6.538	88.88 %
Total Live Storage						13.443	9.919	12.325	91.68 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.0 °C	26.6 °C	- 1.4 °C
Minimum	10.3 °C	11.2 °C	+ 0.9 °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.	Lahore	(Gulshan e Ravi=142, Luckshami=138, Qurtba chock-125, Gulburg-120, Township=107, Shahi Qilla=105, Taj Pura-101, Iqbal Town=92, Johar Town 88, Airport-81, Shahdara=80, Mughal Pura-71, Upper Mall-57, Jail Road=66, Misri Shah-64, Samanabad-56)
2.	Jhelum	74
3.	Mangla	72
4.	Narowal	46
5.	Islamabad	[Zeropoint=26, Saidpur-24, Shamsabad-19, Bokra=16, Chaklala Airbase & Golra=15(each)]
6.	Joharabad, Gujranwala & Ravi Syphon	38 each
7.	Mandibahauddin	32
8.	Kasur	28
9.	Hafizabad	27
10.	Faisalabad	(Gulam Muhammad Abad=26, Madina Town=17, Airport=14, Gulistan Colony-13, Dogar Basti=10,)
11.	Sialkot	(Airport-24, Cantt-11)
12.	Chakwal	23
13.	Sargodha	(Airbase=20, City=16)
14.	Rohtas	19
15.	Mianwali	16
16.	Gujrat	10
B	Khyber Pakhtunkhwa	
17.	Mamad Gut	21
18.	Besham	19
19.	Tarbela	18
20.	D.I.Khan Airport	06
C	AJ & K	
21.	Kotli	20
22.	Nauseri	13
23.	Sharda	11
24.	Palandri	09

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