



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, SEPTEMBER 19, 2023

There is no flood situation in the country as all the major rivers of Indus River System (IRS) are flowing with "Normal Flow Condition". Increasing water levels in Tarbela reservoir (Today's water level: 1548.02 feet Vs 1545.05 feet on 14th September 2023) have been experienced since 15th September 2023 by virtue of enhanced inflows on account of higher temperature in the upper catchments of River Indus (Skardu). Water level in Mangla reservoir is 1234.10 feet against its Maximum Conservation Level (MCL) of 1242 feet. (**Annexure-I**).

2. According to FFD, Lahore, **Low Pressure Area** continues to persist over West Rajasthan (India) with Weak Seasonal Low persisting over Western Balochistan. As a result, strong moist currents from Arabian Sea are penetrating into Sindh and Eastern Balochistan up to 7000 feet whereas light to moderate moist currents from both Arabian Sea and Bay of Bengal are penetrating into Central Punjab up to 5000 feet. Further to above, trough of Westerly Wave earlier over Kashmir and adjoining areas has moved away Eastwards while a fresh trough of Westerly Wave presently lies over Northern parts of Iran.

3. For the ensuing 24 hours, FFD, Lahore has predicated as follows:

- **Scattered to Widespread Wind Thunderstorm/Rain of Moderate to Heavy Intensity over Southern Sindh & Eastern Balochistan.**
- **Scattered Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls over Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & Sahiwal Divisions) and Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) including upper catchments of all the major rivers of IRS.**
- **Isolated Wind Thunderstorm/Rain of Light to Moderate Intensity over Multan, D.G. Khan & Bahawalpur Divisions of Punjab.**

4. Wet spell is likely to continue during next 48 hours. As a result, **Low to Medium Level Flood** is expected in **Nullah Deg at Kingra Bridge** during the same period.

5. Some good rainfall has been observed in Punjab (Lahore= 122 mm) and Sindh (Tharparker=80 mm) during past 24 hours. Details may be seen at **Annexure-II**.

6. All concerned organizations are advised to remain on **ALERT MODE** and ensure fool proof precautionary measures to avoid any loss to 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 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.

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 (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 19-09-2023

Rivers and Reservoir Positions September 19, 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	104,000	94,000	139,000	129,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	120,000	112,000	153,000	145,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	153,000	135,000	151,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	133,000	115,000	137,000	119,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	138,000	129,000	123,000	98,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	146,000	139,000	88,000	38,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	273,000	243,000	44,000	15,000	Normal	650,000
River Kabul									
• Warsak	540,000				16,000		16,000	Normal	200,000
• Nowshera					28,000		34,000	Normal	200,000
River Swat									
• Chakdara Bridge					7,000		5,000	Normal	150,000
• Munda(H. Works)					8,000		4,000	Normal	150,000
• Charsadda Road	150,000				8,000		3,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	18,000	10,000	12,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	14,000	NIL	39,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957		4,000	52,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	11,000	4,000	38,000	30,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	14,000	NIL	45,000	23,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	5,000	52,000	39,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	4,000	18,000	1,000	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		16,000		27,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	4,000	41,000	15,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	17,000	NIL	26,000	8,000	Normal	90,000
River Sutlej									
• G.S. Wala							12,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	16,000	3,000	21,000	8,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	2,000	NIL	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1525.03	1550.00	1548.02	5.809	5.827	5.695	98.04 %
Chashma	649.00	638.15	643.70	648.60	643.10	0.278	0.258	0.080	28.78 %
Mangla	1242.00	1050.00	1190.70	1193.00	1234.10	7.356	3.908	6.735	91.56 %
Total Live Storage						13.443	9.993	12.510	93.06 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	25.3 °C	28.4 °C	+ 3.1 °C
Minimum	9.2 °C	13.2 °C	+ 4.0 °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	122
2.	Gojra	43
3.	T.T. Singh	26
4.	Faisalabad	20
5.	Narowal	17
6.	Ravi Syphon & Gujranwala	09 each
7.	Chunian	08
8.	Bahawalnagar	07
9.	Chakwal & Hafizabad	06 each
B	Sindh	
10.	Tharparker	80
11.	Mithi	49
12.	Thatta	47
13.	Badin	09
C	Khyber Pakhtunkhwa	
14.	Malam Jabba	22
15.	Cherat	17
D	Gilgit-Baltistan	
16.	Bagrote	08
E	AJ&K	
17.	Chattar Kallas	18
18.	Rawalakot	07

Source: FFD, Lahore: 042-99200139