



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY, SEPTEMBER 18, 2023

All major rivers of the Indus River System (IRS) are discharging normal flows and there is no flood situation in the country. Higher temperature in the upper catchments of River Indus (Skardu) since last few days resulted enhanced flows in Indus River at Tarbela as compared to corresponding period of last year (**Column-5 Vs 7, Annexure-I**). At present, water levels in **Tarbela** and **Mangla reservoirs** are at **1547.49 feet & 1234.80 feet** against their respective **Maximum Conservation Level (MCL)** of **1550 feet & 1242 feet** respectively.

2. Yesterday's **Well Marked Low** over Southeast Rajasthan (India) has weakened into Low and presently lies over West Rajasthan (India). Trough of Westerly Wave lies over Kashmir & adjoining areas with Seasonal Low (weak) lies over Western Balochistan. As a result, Strong and Light moist currents from Arabian Sea are penetrating into Sindh and Eastern Balochistan up to 10000 feet and into Southern Punjab up to 5000 feet (Source: FFD, Lahore).

3. **Weather and Flood Forecast for next 24 hours:**

The prevailing meteorological conditions may result into:

- **Scattered to Widespread Wind Thunderstorm/Rain of Moderate to Heavy Intensity over 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, D.I Khan & Bannu 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. Consequently:

- **Low to Medium Level Flood** is expected in **Nullah Deg at Kingra Bridge** during the next 24 hours.

5. For the next 48 hours, wet spell is likely to continue, however, no significant flood generating rainfall is expected over the upper catchments of all the major rivers of IRS. Significant rainfall activity has been observed during past 24 hour may be seen at **Annexure-II**.

6. All concerned organizations are advised to remain on **ALERT MODE**, monitor the weather and flood situation regularly 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 Khan)
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.

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4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
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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.
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17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
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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.
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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 18-09-2023

Rivers and Reservoir Positions September 18, 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	102,000	94,000	147,000	125,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	120,000	112,000	140,000	132,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	148,000	129,000	149,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	131,000	114,000	133,000	115,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	148,000	136,000	122,000	95,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	151,000	147,000	88,000	38,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	294,000	268,000	45,000	4,000	Normal	650,000
River Kabul									
• Warsak	540,000				16,000		19,000	Normal	200,000
• Nowshera					27,000		27,000	Normal	200,000
River Swat									
• Chakdara Bridge					7,000		4,000	Normal	150,000
• Munda(H. Works)					9,000		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	15,000	10,000	16,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	14,000	NIL	28,000	8,000	Normal	225,000
River Chenab				36,000					
• Marala	1,100,000	1,100,000	26-8-1957		6,000	53,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	13,000	6,000	19,000	11,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	20,000	NIL	37,000	15,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	25,000	8,000	44,000	32,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	17,000	3,000	18,000	1,000	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		15,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	29,000	1,000	41,000	15,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	18,000	NIL	24,000	6,000	Normal	90,000
River Sutlej									
• G.S. Wala							13,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	16,000	3,000	20,000	8,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	1,000	NIL	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	1527.20	1550.00	1547.59	5.809	5.827	5.671	97.62 %
Chashma	649.00	638.15	645.30	648.60	642.40	0.278	0.258	0.068	24.46 %
Mangla	1242.00	1050.00	1191.10	1193.00	1234.80	7.356	3.908	6.790	92.31 %
Total Live Storage						13.443	9.993	12.529	93.20 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	26.0 °C	30.6 °C	+ 4.6 °C
Minimum	11.5 °C	16.4 °C	+ 4.9 °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.	Ravi Syphon	31
2.	Sargodha	27
3.	Narowal	26
4.	Hafizabad	19
5.	Lahore	18
6.	Gujranwala	17
B	Sindh	
7.	Badin	41
8.	Chor	12
C	Khyber Pakhtunkhwa	
9.	Mamad Gut	32
10.	Ghalanai	25
11.	Peshawar	22
12.	Pashat-Bajaur	21
13.	Kohat Airbase & Bannu	15 each
14.	Besham	14
15.	Khaar-Bajaur	13
16.	Dir	05
D	Balochistan	
17.	Khuzdar	25

Source: FFD, Lahore: 042-99200139