



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

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Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, SEPTEMBER 20, 2023

All major rivers of Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are discharging normal flows, hence there is no flood situation in the country. Owing to higher temperature in the upper catchments of River Indus (Skardu), comparatively higher inflows have been experienced in the Tarbela reservoir than the corresponding period of last year (**Refer: Column-5 & 7, Annexure-I**). At present, Water Levels in **Tarbela** and **Mangla** reservoirs are at **1548.35 feet** and **1233.50 feet** against their **Maximum Conservation Level (MCL)** of **1550 feet** and **1242 feet** respectively.

2. Yesterday's **Low Pressure Area** over West Rajasthan (India) today lies over Southwest Rajasthan (India). Trough of Westerly Wave earlier over Northern parts of Iran today lies over Northern parts of Afghanistan whereas Weak Seasonal Low is persisting over Western Balochistan. At present, strong moist currents from Arabian Sea are penetrating into lower half of Pakistan up to 7000 feet (Source: FFD, Lahore).

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.**
- **Scattered Wind Thunderstorm/Rain of Moderate Intensity over Islamabad, Rawalpindi & Bahawalpur Divisions of Punjab** including upper catchments of all the major rivers of IRS.
- **Isolated Wind Thunderstorm/Rain of Light to Moderate Intensity over rest of Panjab, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa and Eastern Balochistan.**

4. For the next 48 hours, wet spell over **Southern Sindh** is likely to decrease significantly while a fresh wet spell of **moderate rainfall activity** is likely to start over the upper half of Pakistan from **21st September 2023 (evening)**.

5. Some good rainfall has been experienced in Punjab (Lahore= 136 mm) and Sindh (Badin=54 mm) during past 24 hours. Details may be seen at **Annexure-II**.

6. All concerned organizations are advised to remain **ALERT** 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 its specialized flood forecasting unit, (FFD, Lahore) is monitoring the prevailing weather system and is keeping all concerned fully abreast of the 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.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad

Distribution:

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 20-09-2023

Rivers and Reservoir Positions September 20, 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	98,000	78,000	123,000	98,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	111,000	103,000	151,000	143,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	129,000	110,000	151,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	119,000	100,000	137,000	118,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	118,000	110,000	118,000	94,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	134,000	124,000	94,000	43,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	246,000	212,000	41,000	20,000	Normal	650,000
River Kabul									
• Warsak	540,000				14,000		16,000	Normal	200,000
• Nowshera					26,000		25,000	Normal	200,000
River Swat									
• Chakdara Bridge					7,000		4,000	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	16,000	13,000	16,000	31,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	14,000	NIL	28,000	8,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	34,000	4,000	47,000	17,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	8,000	NIL	21,000	13,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	12,000	NIL	38,000	16,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	5,000	38,000	26,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	4,000	22,000	5,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		9,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		34,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	2,000	44,000	18,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	17,000	NIL	26,000	9,000	Normal	90,000
River Sutlej									
• G.S. Wala							6,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	17,000	3,000	23,000	10,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	2,000	1,000	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	1522.79	1550.00	1548.35	5.809	5.827	5.714	98.36 %
Chashma	649.00	638.15	643.60	648.60	644.30	0.278	0.258	0.108	38.85 %
Mangla	1242.00	1050.00	1190.30	1192.95	1233.50	7.356	3.905	6.689	90.93 %
Total Live Storage						13.443	9.990	12.511	93.07 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.5 °C	28.2 °C	- 0.3 °C
Minimum	8.4 °C	14.3 °C	+ 5.9 °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	136
2.	Faisalabad	28
3.	Khanewal	24
4.	Ravi Syphon	20
5.	Narowal	13
6.	Kotnaina	05
B	Sindh	
7.	Badin	54
8.	Mirpur Khas	38
9.	Tharparker	27
10.	Mithi & Chhor	15 each

Source: FFD, Lahore: 042-99200139