



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY, JULY 19, 2024

All major rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi, and Sutlej) are experiencing normal flow levels, with no riverine floods at present. **Annexure-I** depicts detailed information on the inflows/outflows of rivers at specified control structures, water levels, and storage positions of major reservoirs, along with the temperature at Skardu. As of today, the major reservoirs (Tarbela, Chashma, and Mangla) are about **62%** filled, with **38%** of their capacity remaining to reach their Maximum Conservation Levels.

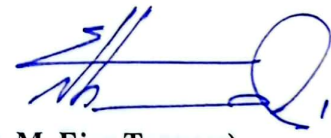
2. According to the latest synoptic analysis by FFD, Lahore, a **Well-Marked Monsoon Low** has developed over Northwest Bay of Bengal (India) whereas another Monsoon trough prevails over Southern side of foothills of Himalayas (India). A trough of Westerly Wave (earlier over northeastern Afghanistan and adjoining Pakistan) today lies over Kashmir and adjoining areas. As per latest Met Conditions, Light to Moderate moisture from the Bay of Bengal is penetrating into upper parts of Pakistan while moisture from the Arabian Sea is converging over Southern Sindh and adjoining India up to 5000 feet.

3. For the ensuing 24 hours, isolated thunderstorm/rain of **Light to Moderate Intensity** over **Gujranwala, Lahore & Multan Divisions of Punjab** including upper catchments of all major rivers of IRS is expected. During the same period, scattered thunderstorm/rain of **Moderate Intensity** may occur over **Islamabad, Punjab (Rawalpindi, Sargodha & D.G. Khan Divisions), Southern Sindh and Zhob, Sibbi & Nasirabad Divisions of Balochistan (Source: FFD, Lahore).**

4. Further to above FFD, Lahore, has predicted that Monsoon activity is likely to intensify in the upper catchments of all major rivers of IRS after 48 hours. Moderate rainfall activity with isolated **Heavy Falls** is likely to commence over the upper catchments of all the major rivers of IRS from **22nd July 2024.**

5. Significant rainfall recorded during the past 24 hours may be seen at **Annexure-II.**

6. PMD Islamabad through its Apex Flood Forecasting body (FFD, Lahore) is closely monitoring the further movement and intensity of Well-Marked Monsoon Low (presently over Northwest Bay of Bengal-India) and the impact of other weather systems on Pakistan and is keeping all concerned fully abreast of the situation.


19/07/2024

(Dr. M. Ejaz Tanveer)
Chief Engineer (Floods)

For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.
3. Minister for Planning, Development & Special Initiatives, Islamabad.
4. Minister for Climate Change & Environmental Coordination, Islamabad.

Distribution:

5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of Climate Change & Environmental Coordination, Islamabad.
9. Secretary, Ministry of National Food Security & Research, Islamabad.
10. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
11. Secretary, Senate Standing Committee on Water Resources, Parliament House, Islamabad.
12. Chairman, National Disaster Management Authority, Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chief Executive Officer, Pakistan Railways, Lahore.
15. Chairman, Indus River System Authority, Islamabad.
16. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
17. Chairman, National Highway Authority, Islamabad.
18. Director General, Pakistan Meteorological Department, Islamabad.
19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
21. Chief Secretary, Government of the Punjab, Lahore.
22. Chief Secretary, Government of Sindh, Karachi.
23. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
24. Chief Secretary, Government of Balochistan, Quetta.
25. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
26. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
27. Secretary, Irrigation Department, Government of the Punjab, Lahore.
28. Secretary, Irrigation Department, Government of Sindh, Karachi
29. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
30. Secretary, Irrigation Department, Government of Balochistan, Quetta.
31. Secretary, Irrigation and Water Management, Gilgit-Baltistan, Gilgit.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
33. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
34. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
35. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
36. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
37. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
38. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
39. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
40. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
41. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
42. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
43. Chief Commissioner, ICT, Islamabad.
44. Chairman, Capital Development Authority, Islamabad.
45. Commissioner, Rawalpindi.
46. Managing Director, WASA, Rawalpindi.
47. Principal Information Officer, Press Information Department, Islamabad.
48. Director (News), Associated Press of Pakistan, Islamabad.
49. Director (News), Pakistan Television, Islamabad.
50. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
51. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2024, dated 19-07-2024

Rivers and Reservoir Positions July 19, 2024 at 0600 Hours

(Discharge in Cusecs)

A. River Flow Situation:

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	225,000	147,000	157,000	203,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	208,000	200,000	236,000	228,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	214,000	209,000	243,000	232,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	196,000	178,000	225,000	202,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	185,000	145,000	179,000	140,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	131,000	75,000	125,000	75,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	71,000	28,000	70,000	28,000	Normal	650,000
River Kabul									
• Warsak	540,000				39,000		39,000	Normal	200,000
• Nowshera					50,000		59,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		8,000	Normal	150,000
• Munda(H. Works)					13,000		10,000	Normal	150,000
• Charsadda Road	150,000				12,000		11,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	128,000	10,000	22,000	15,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	12,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	107,000	78,000	65,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	70,000	63,000	41,000	34,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	54,000	39,000	42,000	28,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	36,000	22,000	21,000	5,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	33,000	18,000	16,000	3,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		31,000		8,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	46,000	23,000	25,000	1,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	28,000	12,000	17,000	1,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	34,000	26,000	14,000	3,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	20,000	20,000	6,000	4,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1498.81	1517.87	1518.70	5.766	4.048	4.063	70.46 %
Chashma	649.00	638.15	644.80	647.40	644.30	0.278	0.202	0.108	38.85 %
Mangla	1242.00	1050.00	1130.30	1208.50	1196.45	7.277	4.885	4.037	55.48 %
Total Live Storage						13.321	9.135	8.208	61.62 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	36.3 °C	28.4 °C	- 7.9 °C
Minimum	18.3 °C	16.5 °C	- 1.8 °C

NOTES: "Mild" Categories

Low Flood:

Medium Flood:

High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas

River partly inundating river islands/belas

River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories

Very High Flood (VHF):

Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard

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.	Gujranwala	33
2.	Sialkot	32
3.	Hafizabad	25
4.	Sheikhupura	19
5.	Bhakkar	16
6.	Lahore	09
7.	DG.Khan	06
B	Sindh	
8.	Tando Jam	34
9.	Hyderabad	24
10.	Badin	17
11.	Thatta	15
12.	Mirpur Khas	09
C	Khyber Pakhtunkhwa	
13.	Parachinar	63
14.	Drosh	05
D	Balochistan	
15.	Sibbi	28
E	AJ&K	
16.	Bandi Abbaspur	10

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