



FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SATURDAY, JULY 27, 2024

All major rivers of the Indus River System (IRS) including the Indus, Jhelum, Chenab, Ravi & Sutlej are flowing normal. Inflows/ Outflows of major rivers at important control structures, storage position of reservoirs including Skardu temperature may be seen **Annexure-I**. Combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) as of today is **8.250 MAF (61.93% of Maximum Live Storage Capacity of 13.321 MAF)**.

2. According to FFD, Lahore, yesterday's trough of Strong Westerly Wave over Northern Iran today lies over northeastern Iran and adjoining areas. Yesterday's Monsoon Low over Northern Bay of Bengal, moved westward and today lies over Northern Odisha (India). Mild moist currents both from the Arabian Sea and Bay of Bengal are penetrating into upper parts of Pakistan up to 3000 feet. Weak Seasonal Low continues to prevail over Northeastern Balochistan.

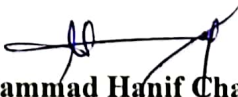
Weather Outlook for the Next 24-hours:

3. FFD, Lahore, has predicted **Scattered Thunderstorm Rain of Moderate Intensity with Isolated Heavy Falls** over Punjab (Lahore and Gujranwala Divisions) including the Upper Catchments of Rivers Jhelum, Chenab, Ravi and Sutlej. **Isolated Thunderstorm Rain of Light to Moderate Intensity** over Islamabad, Punjab (Rawalpindi, Sargodha, DG Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions) and Balochistan (Sibbi & Nasirabad Divisions) including the Upper Catchments of Rivers Indus and Kabul during the same period. Significant rainfall event reported during past 24 hours may be seen at **Annexure-II**.

Weather Outlook from 29th July to 4th August 2024:

4. **Scattered to Widespread Thunderstorm Rain of Moderate to Heavy Intensity with Isolated Very Heavy Falls** is expected over the Upper Catchments of all the Major Rivers along with Khyber Pakhtunkhwa, Islamabad, Punjab, Sindh (Sukkur & Larkana Divisions) and Balochistan (Zhob, Sibbi, Nasirabad & Kalat Divisions). As a result, **Medium to High Flood Level** is expected in rivers Jhelum Upstream Mangla & Chenab at Marala, Khanki and Qadirabad. **Low to Medium Flood Level** is expected in River Kabul and its tributaries along with hill torrents of DG Khan Division and nullahs of Balochistan (Zhob, Sibbi, Nasirabad & Kalat Divisions). **Low to Medium Flood Level** is also expected in the nullahs of Rivers Ravi and Chenab catchments from 29th July to 4th August 2024. (Source: FFD, Lahore).

5. Pakistan Meteorological Department (PMD), Islamabad through its specialized Flood Forecasting Unit (FFD, Lahore) is closely monitoring the prevailing weather system and is keeping all concerned organizations fully cognizant of the situation.


(Muhammad Hanif Chachar)
Principal River Engineer

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

Distribution:

4. Minister for Climate Change & Environmental Coordination, Islamabad.
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. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of K.P, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, 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 27-07-2024

Rivers and Reservoir Positions July 27, 2024 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	276,000	275,000	198,000	225,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	316,000	308,000	237,000	229,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	357,000	373,000	251,000	234,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	388,000	388,000	223,000	197,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	359,000	349,748	183,000	143,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	282,000	261,000	125,000	74,000	Normal	700,000
• Korri	875,000	981,000	14-8-1956	118,000	87,000	73,000	32,000	Normal	650,000
River Kabul									
• Warsak	540,000				30,000		36,000	Normal	200,000
• Nowshera					65,000		51,000	Normal	200,000
River Swat									
• Chakdara Bridge					13,000		7,000	Normal	150,000
• Munda(H. Works)					16,000		9,000	Normal	150,000
• Charsadda Road	150,000				15,000		8,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	96,000	10,000	26,000	12,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	5,000	8,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	93,000	76,000	71,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	85,000	78,000	46,000	38,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	83,000	73,000	42,000	23,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	98,000	90,000	34,000	17,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	93,000	86,000	14,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		38,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		31,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	59,000	42,000	44,000	15,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	37,000	29,000	21,000	6,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	84,000	84,000	17,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	38,000	38,000	3,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1517.89	1531.90	1516.92	5.766	4.789	3.975	68.94 %
Chashma	649.00	638.15	639.00	638.50	642.80	0.278	0.004	0.074	26.62 %
Mangla	1242.00	1050.00	1141.45	1222.20	1199.20	7.277	5.843	4.201	57.73 %
Total Live Storage						13.321	10.636	8.250	61.93 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	31.2 °C	35.4 °C	+ 4.2 °C
Minimum	16.5 °C	16.5 °C	0.0 °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.

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

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Gujranwala	(Sohdra Wazirabad=71, Liaqat Bagh=41, Model Town=38, City=31, Sheranwala Bagh=12 & Peoples Colony=10)
2.	Sialkot (Airport)	20
3.	Gujrat	18
4.	Murree	16
5.	Narowal	12
B	Khyber Pakhtunkhwa	
6.	Balakot	05
C	AJ&K	
7.	Kotli	20
8.	Dhulli	13

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