



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
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
SUNDAY, AUGUST 11, 2024

At present River Indus is flowing in “**Medium Flood**” in **Taunsa-Guddu** reach. It is in “**Low Flood**” in **Tarbela-Kalabagh** reach and at **Sukkur** Barrage while River Kabul continues to flow in “**Low Flood**” at **Nowshera**. All other major rivers in the Indus River System i.e. Rivers Jhelum, Chenab, Ravi, and Sutlej are discharging normal flows. Detailed information on the Inflows/ Outflows of major rivers at important control structures, water levels and storage position of reservoirs alongwith the temperature at Skardu is provided in **Annexure-I**. The current Combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) stands at **10.353 MAF (77.53%** of the total live storage capacity of **13.354 MAF)**. **Tarbela Reservoir is approaching its MCL and at present it is 1544 feet (i.e. 6 feet below its MCL of 1550 feet).**

2. According to the FFD, Lahore, Yesterday's trough of Westerly Wave over northern parts of Afghanistan today lies over northern parts of the country and yesterday's upper air cyclonic circulation over central Jharkhand (India) today lies over south Uttar Pradesh (India). Active monsoon trough extends from Bay of Bengal to Northeastern Punjab. Moderate to strong moist currents are penetrating upper parts of the country from Arabian Sea and Bay of Bengal up to 5,000 feet. Seasonal Low persists over northeast Balochistan.

3. According to FFD, Lahore 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 Islamabad during the next 24 hours. Scattered thunderstorm rain of **Moderate Intensity** with **Isolated Heavy Falls** is expected over **Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur & D.G. Khan Divisions)**, **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** alongwith **Isolated thunderstorm rain of Moderate Intensity** over **Balochistan (Zhob, Sibbi, Nasirabad & Kalat Divisions)** during the same period.

4. **Medium level flows** are expected in **River Chenab at Marala, Khanki and Qadirabad** during the next 24 hours. **Medium to High level flows** are expected in Nullahs in **catchments of Rivers Ravi & Chenab** alongwith **Low to Medium level flows** in the Hill Torrents of **D.G. Khan Division** during the same period. Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

5. **All Relevant Organizations are advised to remain Fully Alert and Vigilant** and to take prompt action in response to warnings issued by the relevant authorities to ensure safety of the communities residing in low lying areas, as well as to protect public and private properties, irrigation & drainage network and flood protection structures.

6. Pakistan Meteorological Department (PMD), Islamabad, through its nation-wide specialized Flood Forecasting Unit (FFD Lahore), is monitoring the present weather system on round-the-clock basis and keeping all relevant organizations fully cognizant of the developing situation.

(Ather Hameed)

Engineering Adviser (Civil)
For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.

Distribution:

3. Minister for Planning, Development & Special Initiatives, Islamabad
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 11-08-2024

Rivers and Reservoir Positions August 11, 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	209,000	155,000	270,000	253,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	225,000	217,000	260,000	252,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	246,000	225,000	253,000	232,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	311,000	293,000	442,000	435,000	Med Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	278,000	244,000	422,000	401,000	Med Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	234,000	180,000	356,000	316,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	247,000	208,000	167,000	126,000	Normal	650,000
River Kabul									
• Warsak	540,000				25,000		36,000	Normal	200,000
• Nowshera					40,000		67,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge					13,000		11,000	Normal	150,000
• Munda(H. Works)					14,000		11,000	Normal	150,000
• Charsadda Road	150,000				14,000		11,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	30,000	10,000	45,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	83,000	54,000	90,000	73,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	55,000	47,000	74,000	66,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	43,000	33,000	59,000	41,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	69,000	60,000	63,000	48,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	70,000	54,000	47,000	36,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		17,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		11,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	16,000	42,000	13,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	36,000	19,000	26,000	11,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	59,000	47,000	19,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	52,000	50,000	6,000	4,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1543.70	1550.00	1544.00	5.766	5.809	5.421	94.02 %
Chashma	649.00	638.15	645.70	644.00	642.30	0.311	0.100	0.070	22.51 %
Mangla	1242.00	1050.00	1166.70	1238.15	1209.35	7.277	7.050	4.862	66.81 %
Total Live Storage						13.354	12.959	10.353	77.53 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ / -)
Maximum	32.6 °C	35.6 °C	+ 3.0 °C
Minimum	15.4 °C	19.0 °C	+ 3.6 °C

NOTE-1: "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

NOTE-2: "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

NOTE-3: * 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.

NOTE-4: Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.

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

SUNDAY, AUGUST 11, 2024

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Lahore	(Shahdara=133, Luck Shami=123, Shahi Qilla=104, Qurtba Chowk=83, Airport=77, Misri Shah=72, Upper Mall=69, Gulshan e Ravi=68, Samanabad=65, City=53, Mughal Pura=52, Iqbal Town=48, Taj Pura=47, Gulburg=33, Township=22 & Johar Town=15)
2.	Islamabad	(Zeropoint=115, PMD HQ=113, Chaklala Airbase=85, Shamsabad=55, Golra=40, Bokra=35, New Airport=29, Chaklala Katcheri =27 & Saidpur=16)
3.	Narowal	83
4.	Gujrat	36
5.	Sialkot	(Cantt=35 & Airport=25)
6.	Gujranwala	(City=35, Liqat Bagh=30, Peoples Colony=25, Sheranwala Bagh=20 & Model Town=19)
7.	Mandibahauddin	27
8.	Kallar	25
9.	Attock	24
10.	Mangla	22
11.	Sheikhupura	15
12.	Risalpur	13
13.	Zafarwal	12
14.	Murree & Jhelum	11 each
15.	Baba Shah Jalal	10
B Khyber Pakhtunkhwa		
16.	Shinkiari	72
17.	Malam Jabba	68
18.	Kakul	49
19.	Tarbela	44
20.	Takht Bai	42
21.	Oghi	25
22.	Peshawar	(Airport=22, Bacha Khan Airport=15 & City=14)
23.	Phulra	15
C Balochistan		
24.	Panjgur	22
D AJ&K		
25.	Domel	53
26.	Panjera	22
27.	Bandi Abbaspur & Kotli	21 each
28.	Chattar Kallas & Rawalakot	14 each
29.	Dhulli	12
30.	Muzaffarabad	(Airport=11 & City=10)
31.	Barnala	10

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