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

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

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY, August 08, 2024

At present, River Indus is flowing in **Medium Flood** in **Chashma-Taunsa reach** and in **Low Flood** in **Tarbela-Kalabagh & Guddu-Sukkur reaches**. Also Kabul River is experiencing **Low Flood** at both **Warsak and Nowshera**. Rest of the major Rivers (Jhelum, Chenab, Sutlej & Ravi) are discharging Normal flows at reporting time today i.e. 0600 hours. Inflows/ Outflows of major rivers at specified locations, besides country's major reservoirs storage position may be seen at **Annexure-I**. As of today, the major reservoirs (Tarbela, Chashma, and Mangla) are about **74.28%** filled, with **25.72%** of their capacity remaining to reach their Maximum Conservation Levels.

2. Heavy rainfall in the twin cities of Islamabad and Rawalpindi caused a significant rise in the water level of Lai Nullah. At Kattarian Bridge (1st Water Gauging Station), the gauge reading reached **22.7 feet at 7:40 AM**, surpassing the **Evacuation Level**. At Gawalmandi Bridge (2nd Water Gauging Station), it reached **19.5 feet at 8:10 AM**, hitting the **Alert Level**. The water level has now fully receded. The District Administration of Rawalpindi, along with WASA and Rescue 1122, is actively implementing precautionary measures to ensure public safety **(Source: PMD, Islamabad)**.

3. According to the FFD, Lahore, yesterday's upper air cyclonic circulation over Gangetic West Bengal (India) has moved Westwards and today lies over Central Jharkhand (India). It is likely to affect the Upper Catchments of Eastern Rivers from **10th August 2024**. Yesterday's Low pressure over Northwestern Rajasthan (India) and adjoining Pakistan has now become insignificant for Pakistan, however, an active Monsoon Trough extends from upper air circulation at Jharkhand (India) to Northeastern Punjab (India). Further, Westerly Wave trough that was previously over Kashmir has moved Eastward, while a new Westerly Wave trough is positioned over northwestern Iran and neighboring areas, and is anticipated to approach the region by August 10, 2024. Seasonal Low lies over Northeastern Balochistan and presently moderate moist currents from both the Arabian Sea and Bay of Bangel are penetrating into upper parts of Pakistan up to 5000 feet.

4. For the ensuring **24 hours**, FFD, Lahore has predicted scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab, Khyber Pakhtunkhwa and Balochistan (Zhob, Sibbi, Nasirabad and Kalat Divisions)** including upper catchments of all the major rivers of IRS. Details of prominent rainfall events experienced during the past 24 hours may be seen in **Annexure-II**.

5. For the period from **10th to 12th August 2024**, FFD, Lahore, has predicated **Scattered to Widespread** thunderstorm rain of **Heavy to Very Heavy Intensity** with isolated **Extremely Heavy Falls** over Punjab **(Gujranwala & Lahore Divisions)** including upper catchments of rivers Chenab, Ravi and Sutlej. For the same time span, scattered thunderstorm of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** may occur over **Islamabad, Punjab (Excluding Gujranwala & Lahore Divisions), Khyber Pakhtunkhwa and Balochistan (Zhob, Sibi, Nasirabad & Kalat Divisions)** including upper catchments of rivers Indus, Kabul and Jhelum. As a result, **Medium** to **High flows** are anticipated in river **Chenab** including Nullahs of **rivers Chenab and Ravi catchments** from **10th to 13th August 2024**. However, flows in river Sutlej will depend on water releases from India.

6. All relevant organizations are advised to remain on **Alert** and **Vigilant** and take immediate action in response to warnings issued by the authorities in order to ensure the safety of communities living in low-lying areas. Additionally, all pre-emptive measures be ensured to protect public and private properties, as well as irrigation and drainage networks and flood protection structures.

7. Pakistan Meteorological Department (PMD) through FFD, Lahore, being the Apex Flood Forecasting Agency at the National level, is monitoring the current weather situation on Round-the-Clock basis and keeping all informed as per its SOPs.

08/08/2024

(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.
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.

Distribution:

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 08-08-2024

ANNEXURE-I

Rivers and Reservoir Positions
August 08, 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	254,000	263,000	350,000	296,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	277,000	269,000	367,000	359,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	263,000	248,000	400,000	384,000	Medium Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	245,000	229,000	430,000	430,000	Medium Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	266,000	233,000	350,000	337,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	185,000	130,000	277,000	252,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	250,000	212,000	133,000	95,000	Normal	650,000
River Kabul									
• Warsak	540,000				33,000		44,000	Low Flood (F)	200,000
• Nowshera					54,000		86,000	Low Flood (R)	200,000
River Swat									
• Chakdara Bridge					13,000		10,000	Normal	150,000
• Munda(H. Works)					15,000		15,000	Normal	150,000
• Charsadda Road	150,000				14,000		15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	43,000	10,000	35,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	11,000	8,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	78,000	49,000	112,000	90,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	64,000	56,000	93,000	85,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	57,000	47,000	78,000	60,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	64,000	55,000	53,000	38,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	76,000	60,000	39,000	27,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		23,000		9,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		26,000		18,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	45,000	27,000	43,000	14,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	37,000	20,000	30,000	16,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	57,000	45,000	19,000	6,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	63,000	61,000	11,000	8,000	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	1541.00	1547.00	1539.00	5.766	5.636	5.136	89.07 %
Chashma	649.00	638.15	648.10	643.00	640.00	0.311	0.078	0.026	8.36 %
Mangla	1242.00	1050.00	1163.60	1236.25	1207.75	7.277	6.902	4.757	65.37 %
					Total Live Storage	13.354	12.616	9.919	74.28 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	27.6 °C	32.4 °C	+ 4.8 °C
Minimum	15.4 °C	14.5 °C	- 0.9 °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.

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THURSDAY, AUGUST 08, 2024

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	**Punjab**	
1.	Islamabad	129
2.	Gujranwala	45
3.	Lahore	41
4.	Kamra	32
5.	Kallar	20
6.	Zafarwal	15
7.	Sheikhupura, Bahawalnagar & Kasur	11 each
8.	Marala	09
9.	Attock	06
B	**Khyber Pakhtunkhwa**	
10.	Risalpur	67
11.	Peshawar	39
12.	Takht Bai & Tarbela	33 each
13.	Malam Jabba	15
14.	Mamad Gut	10
15.	Kakul	06
C	**Balochistan**	
16.	Barkhan	16
17.	Khuzdar	11
D	**AJ&K**	
18.	Panjera	54
19.	Bandi Abbaspur	40
20.	Barnala	36
21.	Dhulli	28
22.	Muzaffarabad	06

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