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

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FEDERAL FLOOD COMMISSION'S DAILY WEATHER & FLOOD SITUATION REPORT MONDAY, AUGUST 26, 2024

At present, River Indus is experiencing **"Medium Flood"** in **Guddu-Sukkur** reach and **"Low Flood"** at **Kotri Barrage** (the last control structure before the river reaches the Arabian Sea). All other major rivers of the Indus River System i.e. Jhelum, Chenab, Ravi and Sutlej are discharging normal flows. Detailed information on the river flow situation and reservoir storage at 0600 hours today may be seen at **Annexure-I.**

2. Since **August 19, 2024** Tarbela Reservoir is maintaining Maximum Conservation Level (MCL) of **1550 feet.** However, ample storage space **(26.23%)** remains available in the Mangla reservoir to accommodate any potential high flows from upstream River Jhelum. The combined live storage of the country's major reservoirs (Tarbela, Chashma & Mangla) stands at **11.346 MAF** which is **84.96%** of the total live storage capacity of **13.354 MAF**. Tarbela Dam Management is advised to exercise utmost caution in regulating the reservoir, ensuring strict adherence to approved SOPs and Dam Safety Guidelines to protect downstream areas.

3. According to FFD, Lahore, yesterday's **DEPRESSION** over Northwestern Madhya Pradesh (India) has shifted South-Southwestwards and is now located over Southeastern Rajasthan (India). Trough of Westerly Wave extends over Northeastern Afghanistan and adjoining Pakistan, while the Seasonal Low persists over Northern Balochistan. Light moist currents from the Bay of Bengal were penetrating into upper parts of Pakistan while moderate to strong moist currents from both the Bay of Bengal and Arabian Sea were penetrating into Southern Sindh and adjoining areas up to 5000 feet at the reporting time. It is very likely to become intense during the next 4 days.

4. For the next 24 hours, FFD, Lahore has predicted scattered thunderstorm rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Multan, Bahawalpur & DG Khan Division)** and **Khyber Pakhtunkhwa** including upper catchments of all major rivers of IRS. For the same period, scattered to widespread thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** is expected over **Southern & Southeastern Sindh** besides isolated thunderstorm rain of **Moderate Intensity** over Punjab **(Faisalabad, Sahiwal & Lahore Divisions)** and **Balochistan (Nasirabad, Sibbi, Loralai, Zhob & Kalat Divisions)**. Few rainfall events have been reported during the past 24 hours: Punjab (Faisalabad=30 mm), Balochistan (Barkhan=38 mm) and Khyber Pakhtunkhwa (Lower Dir=19 mm).

5. For the extended period from **27th August** to **31st August 2024,** widespread thunderstorm rain of **Heavy to Very Heavy** intensity with isolated **Extremely Heavy Falls** may occur over **Southern Punjab (D.G.Khan, Multan & Bahawalpur Divisions), Sindh and Balochistan (Zhob, Loralai, Sibbi, Nasirabad, Kalat & Makran Divisions) (Source: FFD, Lahore).**

6. As forecasted by the FFD, Lahore, **Flood Situation** is expected between **27th** to **31st August 2024** as follows;

- **Severe Flash Flooding** is anticipated in areas along the **Kirthar Range (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro Districts)** and the **Sulaiman Range (D.G.Khan & Rajanpur Districts)** including nullahs in **Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat Division).**
- **Urban flooding** is likely to affect major cities in Sindh.

7 All concerned organizations especially PDMAs and Provincial Irrigation Departments are advised to remain on Alert and Vigilant, take prompt action in response to warnings issued by relevant authorities. This is crucial to ensure the safety of communities in low-lying areas and to implement all necessary pre-emptive measures to protect public and private properties, as well as irrigation and drainage systems and flood protection infrastructures.

8. Round-the-Clock monitoring of the current weather conditions, particularly the **Depression** (lying over Southeastern Rajasthan, India), its further movement and potential impacts on Pakistan is being done by Pakistan Meteorological Department (PMD), through FFD, Lahore and is keeping all relevant organizations fully cognizant of the situation.

26/08/2025

(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.

Distribution:

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 26-08-2024

ANNEXURE-I

Rivers and Reservoir Positions
August 26, 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	231,000	156,000	163,000	155,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	283,000	275,000	219,000	213,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	311,000	292,000	193,000	171,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	241,000	219,000	197,000	185,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	242,000	210,000	368,000	365,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	205,000	152,000	364,000	360,000	Med Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	153,000	113,000	302,000	299,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000				27,000		24,000	Normal	200,000
• Nowshera					41,000		39,000	Normal	200,000
River Swat									
• Chakdara Bridge					9,000		7,000	Normal	150,000
• Munda(H. Works)					9,000		6,000	Normal	150,000
• Charsadda Road	150,000				9,000		5,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	17,000	16,000	18,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	15,000	12,000	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	68,000	38,000	50,000	22,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	52,000	44,000	33,000	25,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	44,000	36,000	26,000	8,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	71,000	63,000	39,000	28,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	81,000	64,000	60,000	52,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		12,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		31,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	20,000	38,000	12,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	35,000	17,000	22,000	10,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	97,000	84,000	16,000	5,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	152,000	152,000	7,000	5,000	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	1550.00	1549.25	1550.00	5.766	5.766	5.766	100 %
Chashma	649.00	638.15	642.00	648.80	647.00	0.311	0.268	0.212	68.17 %
Mangla	1242.00	1050.00	1180.30	1241.70	1216.65	7.277	7.332	5.368	73.77 %
					Total Live Storage	13.354	13.366	11.346	84.96 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	24.5 °C	32.4 °C	+ 7.9 °C
Minimum	12.4 °C	14.2 °C	+ 1.8 °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.