



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](http://www.ffc.gov.pk)

**FEDERAL FLOOD COMMISSION'S  
DAILY WEATHER & FLOOD SITUATION REPORT  
SATURDAY, AUGUST 24, 2024**

At present River Indus is flowing in “**Medium Flood**” at **Guddu-Sukkur** reach and “**Low Flood**” at **Taunsa and Kotri**. All other main Rivers i.e. Kabul, Jhelum, Chenab, Ravi & Sutlej are in Normal Flow Conditions. **Annexure-I** highlights main rivers inflows/outflows at important control structures, reservoirs storage position besides Skardu temperature at 0600 hours today. Tarbela Reservoir has maintained its Maximum Conservation Level (MCL) of **1550 feet** since **August 19, 2024**, whereas Mangla Reservoir stands at an **El: 1216.00 feet** against its **MCL: 1242 feet**.

2. According to the FFD, Lahore, Low Pressure area over West-Bengal has now shifted to Eastern Madhya Pradesh (India). Due to strong speed divergence in the Arabian Sea and Bay of Bengal, combined with directional convergence over Eastern Madhya Pradesh, this system is expected to intensify into a Depression with the potential to significantly affect Southern Pakistan from August 26, 2024 onwards. Also, Westerly Wave trough positioned over Northern Iran yesterday has now advanced to Northeastern Iran and adjoining Afghanistan. Meanwhile, light moist currents from the Bay of Bengal are penetrating into the upper regions of Pakistan. The Low-Pressure area that existed over Western Uttar Pradesh (India) has dissipated. The Seasonal Low continues to persist over Northern Balochistan.


3. For the next 24 hours, FFD, Lahore has forecasted mainly dry weather over most parts of Pakistan. However, **isolated thunderstorm Rain of Moderate Intensity** is expected over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur & D.G Khan Divisions), Khyber Pakhtunkhwa & Balochistan (Zhub and Kalat Divisions)** including the upper catchments of all the major rivers during the same period. Few rainfall events reported during the past 24 hours are Faisalabad = 21 mm, Kakul = 13 mm, Palandri & Joharabad = 08 mm each, Islamabad = 07 mm and Lahore = 06 mm.

4. As per FFD, Lahore, the Low-Pressure area over West Bengal is expected to intensify and shift westward then southwestward. This development may result in widespread thunderstorm rain of **Heavy to Very Heavy intensity** with **isolated Extremely Heavy Falls** over **Southern Punjab (D.G Khan, Multan and Bahawalpur Divisions), Sindh and Balochistan (Zhub, Sibbi, Nasirabad, Loralai, Kalat and Makran Divisions)** from August 26<sup>th</sup> to 30<sup>th</sup> 2024. As a consequence, the following Met conditions are anticipated from August 27, 2024, onwards:

- **Severe Flash Flooding** is likely to occur in areas along the **Suleiman and Kirthar** ranges including **nullahs** in **Balochistan**.
- **Urban Flooding** is expected in the major cities of **Sindh**.

5 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.

6. 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.



24/08/2024

(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 24-08-2024**

**Rivers and Reservoir Positions**  
**August 24, 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 (VIF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	253,000	256,000	162,000	155,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	236,000	228,000	233,000	227,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	261,000	240,000	245,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	213,000	191,000	349,000	337,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	260,000	229,000	377,000	367,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	210,000	156,000	390,000	381,000	Med Flood (S)	700,000
• Kotri	875,000	981,000	14-8-1956	154,000	113,000	284,000	248,000	Low Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				28,000		35,000	Normal	200,000
• Nowshera					38,000		48,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					9,000		7,000	Normal	150,000
• Munda (H. Works)					8,000		7,000	Normal	150,000
• Charsadda Road	150,000				8,000		6,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	26,000	26,000	30,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	23,000	20,000	2,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	77,000	49,000	55,000	28,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	50,000	42,000	37,000	29,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	49,000	39,000	32,000	14,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	63,000	54,000	57,000	47,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	81,000	65,000	72,000	64,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		25,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		33,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	26,000	44,000	16,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	35,000	17,000	23,000	10,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	137,000	137,000	20,000	9,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	94,000	93,000	6,000	5,000	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	1550.00	1548.92	1550.00	5.766	5.747	5.766	100 %
Chashma	649.00	638.15	642.00	648.60	645.90	0.311	0.258	0.171	54.98 %
Mangla	1242.00	1050.00	1178.45	1241.85	1216.00	7.277	7.344	5.322	73.13 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>13.349</b>	<b>11.259</b>	<b>84.31 %</b>

**C. Skardu Temperature:**

Skardu Temperature	Last year 2023	Today 2024	Difference ( + / - )
Maximum	33.6 °C	28.2 °C	- 5.4 °C
Minimum	17.3 °C	12.4 °C	- 4.9 °C

**NOTE-1: "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

**NOTE-2: "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

**NOTE-3: \* Flood Classification: (applied on downstream discharge/Outflow)**

\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition &amp; 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.