



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SUNDAY, AUGUST 04, 2024

Presently, **River Indus** is experiencing a Rising **Medium Flood** at Chashma Reservoir whereas it is in **Low Flood** stage in **Tarbela - Kalabagh** reach and at **Taunsa** Barrage. **River Kabul** is also in **Low Flood** with falling trend at **Warsak-Nowshera** reach. The rest of major rivers in the Indus River System (i.e. rivers Jhelum, Chenab, Ravi, and Sutlej) are flowing normally. For river inflows/ outflows at important locations alongwith major reservoirs water levels & storage positions, **Annexure-I** is referred. As of today, combined Live Storage of the country's major reservoirs (Tarbela, Mangla & Chashma) is **9.558 MAF** which is **70.90 %** of Maximum Live Storage Capacity of **13.321 MAF**.

2. Owing to the significant rainfall in the catchment areas, Rivers Nari and Lehri (in District Sibbi) experienced flood flows of 68,000 cusecs and 62,000 cusecs respectively which affected five adjoining villages where no significant damage to public infrastructure and loss of life has been reported so far. A strong rainstorm also occurred at today morning in Muskay area, District Astore and caused medium-level flash flooding that damaged two animal shelters, a house, a footbridge and adjacent standing crops. Besides, GB-DMA has also reported that Monjeng Bridge in District Shigar has been badly damaged due to erosive river action whereas Tistay Suspension Bridge at Braldu River, which is approach to Hydel Station Tistay 400 KW, is under severe erosive action.

3. According to the PDMA Sindh, today i.e. on 04 August, 2024 at 6:15 am, a 50 feet wide breach occurred in the Rohri Canal at RD 825+000 near Alam Dero village District Sanghar and affected around 1500 people in villages Alam Dero, Haji Karim Dinu Kori, and Haji Mithan Dero. Affected individuals have been rescued and relocated to nearby public schools. The concerned field formation of Sindh Irrigation Department has been advised to reduce the water level in the canal and plug the breach at the earliest.

4. According to the FFD, Lahore, yesterday's trough of Strong Westerly Wave over northeastern Afghanistan and adjoining Pakistan still persists whereas yesterday's Low-Pressure Area over northeastern Sindh today lies over Khairpur (Sindh). Yesterday's Depression has intensified into '**Deep Depression**' and today lies over northeastern Madhya Pradesh (India). Seasonal Low lies over northwestern Balochistan. **Moderate to strong moist currents** from Arabian Sea and Bay of Bengal are penetrating the southern parts of the country upto 7,000 feet, while these **moist currents** from Bay of Bengal are also penetrating into the upper parts of the country upto 5,000 feet.

5. For the ensuring **24 hours**, FFD, Lahore has predicted scattered to widespread thunderstorm rain of **moderate intensity** with isolated **Heavy Falls** with one or two **Very Heavy Falls** is expected over the **Islamabad** and **Punjab** (Rawalpindi Division) and upper catchments of rivers **Indus and Kabul** along with Khyber-Pakhtunkhwa. Scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Fall** is also expected over **Punjab** (Sargodha, Gujranwala, Lahore, Faisalabad, Multan and Sahiwal Divisions) and the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej during the same period. The present wet spell is likely to continue during the next 48 hours. Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

Weather & Flood Forecast (Next 48 Hours) Source: FFD, Lahore:

6. Widespread thunderstorm rain of **Moderate to Heavy Intensity** with Scattered **Very Heavy Falls** and isolated **Extremely Heavy Fall** is expected over **Punjab** (DG Khan & Bahawalpur Divisions), **Balochistan** (Zhub, Sibbi, Nasirabad & Kalat Divisions) and **Sindh** (Larkana, Sukkur, Hyderabad and Mirpur Khas Divisions). Scattered thunderstorm rain of Moderate intensity with isolated **Heavy Falls** is also expected over the rest of Sindh and Balochistan.

7. In view of the prevailing latest hydro-meteorological conditions, for the next 48 hours, FFD, Lahore, through its significant Flood Warning dated August 04, 2024, has predicted as under:

- a. **High to Very High level Flash Flooding** in hill torrents of **D.G. Khan Division** and nullahs of **Zhob, Sibbi, Nasirabad and Kalat Divisions;**
- b. **Medium to High Level Flash Flooding** in Larkana & Hyderabad (Dadu & Jamshoro Districts) Divisions
- c. **Medium to High Level Flooding in Kabul River at Nowshera and its tributaries.**

8. **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 the safety of communities residing in low lying areas, as well as to protect public and private properties, irrigation & drainage network and flood protection structures.

9. 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.



(Zafar Iqbal)
Superintending 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

Distribution:

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 04-08-2024

Rivers and Reservoir Positions August 04, 2024 at 0600 Hours

(Discharge in Cusecs)

A. River Flow Situation:

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	223,000	245,000	343,000	268,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	217,000	209,000	338,000	330,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	159,000	151,000	423,000	399,000	Medium Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	182,000	169,000	351,000	332,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	400,000	370,000	199,508	199,508	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	411,000	365,000	167,000	139,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	212,000	172,000	78,000	44,000	Normal	650,000
River Kabul									
• Warsak	540,000				28,000		47,000	Low Flood (F)	200,000
• Nowshera					50,000		83,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge					12,000		11,000	Normal	150,000
• Munda (H. Works)					13,000		34,000	Normal	150,000
• Charsadda Road	150,000				13,000		11,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	10,000	28,000	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	82,000	54,000	81,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	66,000	59,000	57,000	49,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	59,000	49,000	48,000	30,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	66,000	61,000	52,000	37,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	143,000	128,000	25,000	17,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		20,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		29,000		19,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	43,000	20,000	52,000	23,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	52,000	37,000	25,000	11,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	76,000	63,000	22,000	10,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	67,000	66,000	4,000	3,000	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	1536.00	1542.29	1535.00	5.766	5.366	4.916	85.26 %
Chashma	649.00	638.15	645.00	644.90	642.50	0.278	0.123	0.068	24.46 %
Mangla	1242.00	1050.00	1158.70	1232.90	1204.95	7.277	6.642	4.574	62.86 %
Total Live Storage						13.321	12.131	9.558	71.75 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	30.2 °C	33.6 °C	+ 3.4 °C
Minimum	16.4 °C	19.3 °C	+ 2.9 °C

NOTES: "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

"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

* 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.

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SUNDAY, AUGUST 04, 2024

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Rahim Yar Khan	92
2.	Islamabad	[Golra=80, Saidpur 17]
3.	Bhandu Wala	59
4.	Mandi-Bahauddin	30
5.	Bahawalpur (Airport)	12
6.	Sialkot	(Airport=09 & Cantt=03)
7.	Jhelum	06
B Sindh		
8.	Shaheed Benazirabad	117
9.	Sakrand	112
10.	Jacobabad	89
11.	Sukkur	61
12.	Padidan	76
13.	Khairpur	62
14.	Mirpur Khas	47
15.	Rohri	44
16.	Larkana	35
17.	Tando Jam & Dadu	31 each
18.	Moin-Jo-Daro	29
19.	Mithi	21
20.	Hyderabad Airport	07
C Khyber Pakhtunkhwa		
21.	Balakot	113
22.	Shinkiari	111
23.	Cherat	105
24.	Risalpur & Oghi	43 each
25.	Malam Jabba	30
26.	Peshawar	(Bacha Khan Airport=30 & City=28)
27.	Saidu Sharif	28
28.	Lower Dir & Khanpur	27 each
29.	Bosak Bridge	24
30.	Takht Bai & Ghalanai	20 each
31.	Kohat Airbase	17
32.	Besham & Chhor	15 each
33.	Kalam	12
34.	Kakul	11
35.	Parachinar	10
36.	Dir & Pashat- Bajaur	09 each
37.	Khaar-Bajaur	07
38.	Warsak Dam	06
D Balochistan		
39.	Kalat	45
40.	Muslim Bagh	07
41.	Lasbela	05
F AJ&K		
42.	Barnala	49
43.	Domel	13
44.	Rawalakot	10
45.	Muzaffarabad (City & Airport)	09 each
46.	Dhulli	06

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