

**GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000**

BULLETIN No. A-070/24

**Dated: 23rd August, 2024
Time: 11:20 hours (PST)**

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| <ol style="list-style-type: none">1. President Secretariat, Islamabad.2. PM House, Islamabad.3. Federal Minister for Water Resources, Islamabad.4. Governor (All Provinces).5. Chairman NDMA, Islamabad.6. Chief Minister (All Provinces).7. PM Secretariat, Islamabad.8. Secretary, Aviation Division, Islamabad.9. Secretary, Ministry for Water Resources, Islamabad.10. Secretary, Ministry of Information, Islamabad.11. Secretary, Climate change, Islamabad.12. Chairman NHA, Islamabad.13. Chief Secretary (All Provinces). | <ol style="list-style-type: none">14. PDMA'S (D.G's All Provinces & AJK).15. Chairman, Federal Flood Commission, Islamabad.16. Chairman, Indus River System Authority, Islamabad.17. Chairman, PCRWR, Islamabad.18. The Secretary General, Red Crescent, Islamabad.19. Secretary, Irrigation Department, (All Provinces).20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.22. Chief Engineer, Mangla/Tarbela/Chashma.23. Chief Engineer, Irrigation (All Provinces).24. Chief Engineer, (All Barrages).25. Chief Engineer, C.D.O. (Muzaffarabad).26. All other concerned. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Guddu and Sukkur is at **medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa and Kotri is at Low flood level.

Watch: From August 27th and onwards, **SEVERE FLASH FLOOD** situation is likely to develop in the areas along Sulaiman and Kirthar ranges including nullahs in Balochistan.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of westerly wave over Northern parts of the country has moved away eastwards and a fresh trough of westerly wave lies over northern parts of Iran.
- b) Light moist currents are penetrating the upper parts of the country from Arabian Sea and Bay of Bengal.
- c) Yesterday's Low pressure area over North Bay of Bengal has moved westwards and today lies over West-Bengal and adjoining Jharkhand. During next three days, it is likely to intensify into Depression and move westward then south-westward.
- d) Yesterday's Low pressure area over central Uttar Pradesh has moved westward and today lies over western Uttar Pradesh.
- e) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Mainly dry weather is expected over most parts of the country. However, isolated Thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur, DG Khan, Zhob and Kalat divisions.

IV: WEATHER Outlook:

No significant change is expected up to 25th August.

Watch: Likely intensification and westward then south-westward movement of Low-pressure area over West-Bengal, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **South Punjab (DG Khan, Multan and Bahawalpur divisions), Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions)** from 26th August.

V: RIVERS CATCHMENTS RAINFALL RECORDED (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Pattan & Khaar-Bajaur=08(each), Gupis=06, Kalam=03, DG Khan (Fort Munro) & Barkhan=02(each), Shishi Darosh, Gilgit & Buner=01(each), Arandu Nullah, Larkana, Bagrote, Bunji, Ghalanai & Chilas=Trace(each).
Jhelum:	Panjera & Tandali=01(each).
Chenab:	-Nil-
Ravi:	Sahiwal=02, Okara=01.
Sutlej:	Bahawalnagar=06.
Others:	Zhob=09.

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**(Shahid Abbas)
Chief Meteorologist
FFD Lahore**

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Dated: - 23rd August, 2024
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I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)	RESERVOIRS LEVEL (FEET) at (0600 PST)	
INDUS	Isolated thunderstorm rain	Isolated thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1550.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	100.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1215.70
			Max Conservation:	1242.00
			Live Storage	72.8%

II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs (Inflow)	Qualitative Forecasted Flood Level (Inflow)	Max Flood Peaks (In Thousands of Cusecs)	
			Inflow	Outflow			Historical	Flood Season 2024
INDUS	Tarbela	1500	200.0	256.6	170-200	Below Low	832.0 (2010)	350.0
	Kalabagh	950	281.4	275.1	250-290	Low	950.0 (1942)	401.7
	Chashma	950	341.9	323.4	300-330	-do-	1038.9 (2010)	432.7
	Taunsa	1100	353.3	341.3	320-350	-do-	960.0 (2010)	442.2
	Guddu	1200	382.5	374.4	370-385	Medium	1199.7 (1976)	431.3
	Sukkur	1500	400.6	380.9	390-400	-do-	1166.6 (1986)	400.6
	Kotri	875	264.9	226.9	265-275	Low	980.3 (1956)	264.9
KABUL	Nowshera	-	56.4	56.4	50-55	Below Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	30.0	8.0	25-40	-do-	1090.0 (1992)	114.6
	Rasul	850	2.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	58.0	32.9	50-60	-do-	1100.0 (1957)	178.8
	Khanki	1100	45.5	37.6	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	43.0	25.0	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	49.3	39.3	-do-	-do-	944.0 (1928)	96.3
	Punjad	700	65.9	57.4	65-70	-do-	802.5 (1973)	65.9
RAVI	Jassar	275	5.5	5.5	No Sig. change	-do-	680.0 (1955)	40.4
	Shahdara	250	17.8	17.8	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	45.5	17.4	40-45	Low	389.8 (1988)	56.3
	Sidhnai	150	25.0	13.0	No Sig. change	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	5.9	5.9	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	18.6	7.4	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.9	7.5	-do-	-do-	492.6 (1955)	12.5

Isolated= 20 to 30% of area Scattered= 30 to 50% of area | Widespread= 90 to 100% of area R= Rising, F= Falling

Note: Concerned Departments may contact FFD, Lahore for rectification up-dation (if any)

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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BULLETIN No. C-070/24

Dated: 23rd August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (24th-August, 2024 to 30th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Watch: Likely intensification and westward then south-westward movement of Low-pressure area over West-Bengal, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **South Punjab (DG Khan, Multan and Bahawalpur divisions), Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions)** from 26th August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant increase is expected in the flows of any of the major rivers.

Watch: From August 27th and onwards, **SEVERE FLASH FLOOD** situation is likely to develop in the areas along Sulaiman and Kirthar ranges including nullahs in Balochistan.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

Note: This forecast is updated on daily basis.