

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

BULLETIN No. A-072/24

**Dated: 25th 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 Kotri is at Low flood level.

Alert (During 27th to 31st August):

SEVERE FLASH FLOODING is likely to develop in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhub, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cities of Sindh.

II: METEOROLOGICAL FEATURES:

- a) Under the influence of strong speed divergence in the Arabian Sea and Bay of Bengal, along with directional convergence over Madhya Pradesh, Low pressure area has concentrated into **DEPRESSION** and lays center over northwest Madhya Pradesh and its trough is extending to adjoining Rajasthan. As Depression is approaching near Arabian Sea, resulting in likely intensification into further DEEP DEPRESSION.
- b) Yesterday's trough of westerly wave over northeast Iran today lies over Northern Afghanistan.
- c) Light moist currents are penetrating the upper parts of the country from Bay of Bengal while moderate to strong moist currents are penetrating from both sources into South Sindh and adjoining areas up to 5000 feet. It is very likely to become intense during next 4 days.
- d) 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. Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over southeast Sindh.

IV: WEATHER Outlook:

No significant change is expected over the upper half of the country.

Warning: Likely further intensification and westward movement of the strong weather system, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhub, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions)**, during 26th to 30th August.

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

Indus:	Mithi=29, Mirpur Khas=12, Hyderabad (Airport)=05, Pashat-Bajaur=04, Chhor=03, Khaar-Bajaur=01, Buner & Shaheed Benazirabad=Trace(each).
Jhelum:	Rawalakot=04, Panjera=01, Tandali=Trace.
Chenab:	-Nil-
Ravi:	Lahore (Township=05 & Airport=02).
Sutlej:	-Nil-
Others:	Lasbela=12.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-072/24

Dated: - 25th August, 2024
Time: - 11:20 hours (PST)

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:	1216.35
			Max Conservation:	1242.00
			Live Storage	73.4%

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	155.0	155.2	155-170	Below Low	832.0 (2010)	350.0
	Kalabagh	950	196.4	190.1	No Sig. change	-do-	950.0 (1942)	401.7
	Chashma	950	165.9	145.0	-do-	-do-	1038.9 (2010)	432.7
	Taunsa	1100	217.7	205.7	-do-	Low	960.0 (2010)	442.2
	Guddu	1200	374.8	371.3	370-380	Medium	1199.7 (1976)	431.3
	Sukkur	1500	374.6	367.5	370-380	-do-	1166.6 (1986)	401.1
	Kotri	875	286.7	264.5	285-290	Low	980.3 (1956)	286.7
KABUL	Nowshera	-	43.1	43.1	No Sig. change	Below Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	22.0	8.0	20-30	-do-	1090.0 (1992)	114.6
	Rasul	850	3.3	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	60.8	32.9	50-60	-do-	1100.0 (1957)	178.8
	Khanki	1100	37.2	29.3	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	31.5	13.5	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	52.1	41.7	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	69.2	61.2	55-70	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	3.4	3.4	No Sig. change	-do-	680.0 (1955)	40.4
	Shahdara	250	15.4	15.4	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	40.5	11.9	-do-	Low	389.8 (1988)	56.3
	Sidhnai	150	22.7	10.2	-do-	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	17.2	5.7	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.6	5.0	-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)
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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-072/24

Dated: 25th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (26th-August, 2024 to 01st-September, 2024)

➤ **RAINFALL OUTLOOK:**

Warning: Likely further intensification and westward movement of the strong weather system, widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions)**, from 26th to 30th August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

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

Alert (From 27th to 31st August):

SEVERE FLASH FLOODING is likely to develop in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cities of Sindh.

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(Shahid Abbas)
Chief Meteorologist
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Note: This forecast is updated on daily basis.