



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

BULLETIN No. A-061/24

**Dated: 14th August, 2024
Time: 11:20 hours (PST)**

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).
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.

SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Guddu and Sukkur is in **Medium** flood level while river Indus at Tarbela, Kalabagh, Chashma and Taunsa is in Low flood level.

During 15th to 17th August:

Medium to High level flows are expected in river Jhelum at Mangla Upstream and river Chenab at Marala, Khanki and Qadirabad along with Nullahs in the catchments of rivers Chenab and Ravi. **Low to Medium** level flows are expected in river Kabul at Nowshera and in river Indus at Tarbela along with hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Strong Westerly Wave over northwest Iran today lies over northern parts of Iran.
- b) Yesterday's upper air cyclonic circulation over northeast Rajasthan move slightly Westwards, however it still lies over Northeast Rajasthan.
- c) Light to Moderate moist currents are penetrating the most parts of the country from Arabian Sea and Bay of Bengal up to 5000 feet.
- d) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers. Isolated thunderstorm rain of moderate intensity is expected over Islamabad, Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur, DG Khan, Zhob, Sibbi, Nasirabad, and Kalat divisions.

IV: WEATHER OUTLOOK 15th to 17th August:

Scattered thunderstorm rain of moderate intensity with isolated **HEAVY** falls is expected over Faisalabad, Sahiwal, Multan, Bahawalpur, Zhob, Nasirabad, Sibbi and Kalat divisions along with Sindh.

Alert: Widespread Thunderstorm rain of **MODERATE to HEAVY** intensity with Isolated **VERY HEAVY** falls is expected over the upper catchments of rivers Indus and Jhelum along with Islamabad, Khyber Pakhtunkhwa & Rawalpindi and Gujranwala divisions. Scattered to widespread thunderstorm rain of moderate intensity with isolated **HEAVY** to **VERY HEAVY** falls is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Sargodha, Lahore and DG Khan divisions.

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

Indus: Buner=01, Risalpur=Trace.
Jhelum: Kotli=04, Tandali & Garhi Dopatta=Trace(each).
Chenab: -Nil-
Ravi: -Nil-
Sutlej: -Nil-
Others: Karachi (University Road) =01.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore



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Dated: - 14th 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	Scattered thunderstorm rain	Isolated thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1547.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	97.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1210.90
			Max Conservation:	1242.00
			Live Storage	68.2%

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	270.0	254.5	250-270	Low	832.0 (2010)	350.0
	Kalabagh	950	298.7	290.7	290-310	-do-	950.0 (1942)	401.7
	Chashma	950	323.0	307.9	310-330	-do-	1038.9 (2010)	432.7
	Taunsa	1100	344.1	318.1	345-370	-do-	960.0 (2010)	442.2
	Guddu	1200	422.0	392.4	390-420	Medium	1199.7 (1976)	431.3
	Sukkur	1500	393.0	350.5	380-395	-do-	1166.6 (1986)	393.0
	Kotri	875	189.4	149.3	190-200	Below Low	980.3 (1956)	189.4
KABUL	Nowshera	-	57.4	57.4	50-60	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	22.0	10.0	20-40	-do-	1090.0 (1992)	114.6
	Rasul	850	4.0	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	64.7	47.4	70-100	Low	1100.0 (1957)	136.5
	Khanki	1100	62.1	53.9	No Sig. change	Below Low	1086.5 (1959)	102.4
	Qadirabad	807	54.4	36.4	-do-	-do-	948.5 (1992)	101.6
	Trimmu	645	68.4	54.9	-do-	-do-	944.0 (1928)	78.8
	Punjnad	700	48.6	35.8	-do-	-do-	802.5 (1973)	48.8
RAVI	Jassar	275	8.8	8.8	10-15	-do-	680.0 (1955)	33.9
	Shahdara	250	17.8	17.8	10-15	-do-	576.0 (1988)	24.8
	Balloki	225	53.1	24.4	50-60	Low	389.8 (1988)	53.1
	Sidhnai	150	20.1	7.9	No Sig. change	Below Low	330.2 (1988)	32.3
SUTLEJ	G.S. Wala	--	19.7	19.7	15-20	-do-	837.0 (1955)	19.7
	Sulemanki	325	17.3	6.3	No Sig. change	-do-	598.9 (1955)	46.2
	Islam	300	6.3	5.0	-do-	-do-	492.6 (1955)	10.6

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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BULLETIN No. C-061/24

Dated: 14th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (15th-August, 2024 to 21st-August, 2024)

➤ **RAINFALL OUTLOOK:**

Monsoon activity of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls is expected over the upper catchments of all the major rivers during 15th to 17th August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Medium to High level flows are expected in river Jhelum at Mangla Upstream and river Chenab at Marala, Khanki and Qadirabad along with Nullahs in the catchments of rivers Chenab and Ravi. Low to Medium level flows are expected in river Kabul at Nowshera and in river Indus at Tarbela along with hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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