

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

BULLETIN No. A-060/24

**Dated: 13th August, 2024
Time: 11:40 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 in **Medium** flood level while river Indus at Tarbela, Kalabagh, Chashma and river Kabul at Nowshera are 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.

II: METEOROLOGICAL FEATURES:

- a) A fresh trough of Strong Westerly Wave lies over northwest Iran.
- b) Yesterday's upper air cyclonic circulation over north Madhya Pradesh moved north-westward and today lies over northeast Rajasthan and adjoining Uttar Pradesh.
- c) Moderate moist currents are penetrating the most parts of the country from Arabian Sea and Bay of Bengal up to 3000 feet.
- d) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Isolated thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers along with 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 Scattered **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:	DG Khan (Marri=29, Airport=03), Barkhan=02, Thatta, Mithi & Buner=01(each), Rashidabad (Kalpani), Khaar-Bajaur, Ghalanai & Islamabad (Zeropoint)=Trace(each).
Jhelum:	Mangla=02, Tandali=Trace.
Chenab:	Multan (City=26 & Airport=12), Muzaffargarh=02.
Ravi:	Khanewal=Trace.
Sutlej:	Bahawalpur (City=88 & Airport=60).
Others:	Ziarat=46, Kalat=06, Karachi (Airport)=01, Khuzdar=Trace.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-060/24

Dated: - 13th August, 2024
Time: - 11:40 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:	1546.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	96.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1210.55
			Max Conservation:	1242.00
			Live Storage	67.9%

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	288.0	254.1	270-290	Low	832.0 (2010)	350.0
	Kalabagh	950	313.3	305.4	300-320	-do-	950.0 (1942)	401.7
	Chashma	950	374.0	356.8	350-375	-do-	1038.9 (2010)	432.7
	Taunsa	1100	243.5	227.5	220-260	-do-	960.0 (2010)	442.2
	Guddu	1200	428.1	398.3	410-430	Medium	1199.7 (1976)	431.3
	Sukkur	1500	392.1	350.5	390-400	-do-	1166.6 (1986)	392.1
	Kotri	875	184.4	143.9	185-195	Below Low	980.3 (1956)	184.4
KABUL	Nowshera	-	62.6	62.6	55-60	Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	22.0	10.0	20-40	Below Low	1090.0 (1992)	114.6
	Rasul	850	3.8	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	68.9	51.6	60-70	-do-	1100.0 (1957)	136.5
	Khanki	1100	75.7	67.6	No Sig. change	-do-	1086.5 (1959)	102.4
	Qadirabad	807	77.0	59.0	-do-	-do-	948.5 (1992)	101.6
	Trimmu	645	70.2	56.7	-do-	-do-	944.0 (1928)	78.8
	Punjnad	700	42.9	29.5	-do-	-do-	802.5 (1973)	48.8
RAVI	Jassar	275	16.7	16.7	10-15	-do-	680.0 (1955)	33.9
	Shahdara	250	24.8	24.8	25-35	-do-	576.0 (1988)	24.8
	Balloki	225	41.4	12.7	40-50	Low	389.8 (1988)	51.7
	Sidhnai	150	24.2	12.2	No Sig. change	Below Low	330.2 (1988)	32.3
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	10.5
	Sulemanki	325	18.0	6.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.2	4.7	-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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BULLETIN No. C-060/24

Dated: 13th August, 2024
Time: 11:40 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (14th-August, 2024 to 20th-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.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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