

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

BULLETIN No. A-056/24

**Dated: 09th 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 Kalabagh, Chashma and Taunsa is in **Medium** flood level while river Indus at Tarbela, Guddu and Sukkur and river Kabul at Nowshera are in Low flood level.

From 10th to 13th August, Medium to High level flows are expected in river Chenab along with Nullahs in Chenab and Ravi catchments. However, flows in river Sutlej will subject to the releases from India. Low to Medium level flow is also expected in the hill torrents of DG Khan Division and nullahs of Zhob, Sibi, Nasirabad and Kalat Divisions.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Westerly Wave over northwest Iran and adjoining areas today lies over northeast Iran.
- b) Yesterday's upper air cyclonic circulation over central Jharkhand remained stationary.
- c) Active monsoon trough extends from upper air circulation at Jharkhand to northeast Punjab.
- d) Speed divergence is likely to develop over southern Sindh as well as along the foothill of Himalaya and speed convergence over the upper parts of the country, which may enhance monsoon activity in the upper parts of the country over the next three days.
- e) Moderate moist currents are penetrating in the upper parts of the country from the Arabian Sea and Bay of Bangel up to 5000 feet.
- f) Seasonal Low lies over northeast Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the major rivers along with Islamabad, Punjab, Khyber Pakhtunkhwa, Zhob, Sibbi, Nasirabad, Makran and Kalat divisions.

IV: WEATHER OUTLOOK for 10th to 12th August:

Scattered to Widespread thunderstorm rain of **MODERATE TO HEAVY** intensity with Isolated **VERY HEAVY FALLS** is expected over the upper catchments of all Major rivers along with Islamabad, Punjab, Kyber Pakhtunkhwa & Zhob, Sibi, Nasirabad and Kalat divisions.

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

Indus:	Barkhan=35, Malam Jabba=13, Ghalanai=12, Kakul=11, Mianwali (Airbase)=05, Mamad Gut=04, Risalpur=03, Buner=02, Cherat, Mardan & Bhakkar=01(each), Islamabad [Zeropoint & Chaklala (Airbase)=Trace(each)], Attock, Kabul (Nowshera), Dratian & Kohat (Airbase)=Trace(each).
Jhelum:	Kallar=18, Chattar Kallas=08, Chakwal=06, Joharabad=04, Tandali=Trace.
Chenab:	Multan [City=09 & Airport=08], Shorkot (Airbase)=01.
Ravi:	T.T. Singh=53, Sahiwal=24, Narowal=19, Sheikhpura & Khanewal=02(each).
Sutlej:	Bahawalnagar=04, Bahawalpur (Airport=01 & City=Trace).
Others:	Khuzdar=18, Kalat=11, Ziarat & Panjgur=02(each), Quetta (Sheaikh Manda) & Loralai=01(each), Karachi (Airport)=Trace.

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(Shahid Abbas)
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FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-056/24

Dated: - 09th 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) TARBELA Current: 1540.00 Max. Conservation: 1550.00 Live Storage 90.0% MANGLA Current: 1208.35 Max Conservation: 1242.00 Live Storage 65.9%
INDUS	Scattered thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)	
JHELMUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	-do- (Bahawalpur Division)	

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	312.0	285.0	290-310	Low	832.0 (2010)	350.0
	Kalabagh	950	396.3	388.3	380-410	Medium	950.0 (1942)	396.3
	Chashma	950	415.0	398.7	380-410	-do-	1038.9 (2010)	428.8
	Taunsa	1100	439.2	439.2	430-440	-do-	960.0 (2010)	440.3
	Guddu	1200	364.2	346.1	360 -380	-do-	1199.7 (1976)	364.2
	Sukkur	1500	301.1	273.3	300-320	Low	1166.6 (1986)	301.1
	Kotri	875	154.7	115.7	155-175	Below Low	980.3 (1956)	154.7
KABUL	Nowshera	-	87.1	87.1	75-85	Low	391.3 (1990)	114.2
JHELMUM	Mangla	1060	30.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	2.9	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	90.9	73.4	70-90	Below Low	1100.0 (1957)	129.8
	Khanki	1100	100.7	94.4	80-100	-do-	1086.5 (1959)	100.7
	Qadirabad	807	92.2	74.2	70-100	-do-	948.5 (1992)	93.1
	Trimmu	645	56.4	40.9	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjnad	700	42.5	30.8	-do-	-do-	802.5 (1973)	42.5
RAVI	Jassar	275	10.3	10.3	5-15	-do-	680.0 (1955)	26.8
	Shahdara	250	17.8	17.8	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	43.7	15.1	40-45	Low	389.8 (1988)	51.7
	Sidhnai	150	27.3	12.7	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	18.4	5.3	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.9	6.6	-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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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-056/24

Dated: 09th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (10th-August, 2024 to 16th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered to Widespread thunderstorm rain of **MODERATE TO HEAVY** intensity with Isolated **VERY HEAVY FALLS** is expected over the upper catchments of all Major rivers along with Islamabad, Punjab, Kyber Pakhtunkhwa along with Zhob, Sibi, Nasirabad and Kalat divisions.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

From 10th to 13th August, **MEDIUM TO HIGH LEVEL** flows are expected in river Chenab along with Nullahs in Chenab and Ravi catchments. However, flows in river Sutlej will subject to the releases from India. **LOW TO MEDIUM** level flow are also expected in the hill torrents of DG Khan Division and nullahs of Zhob, Sibi, Nasirabad and Kalat Divisions.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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