

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

BULLETIN No. A-057/24

**Dated: 10th 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 Taunsa is in **Medium** flood level while river Indus at Kalabagh, Chashma, Sukkur and river Kabul at Nowshera are in Low flood level.

From 11th to 13th August, Medium level flows are expected in river Chenab along with Nullahs in Chenab and Ravi catchments. Low to Medium level flows are 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 northeast Iran today lies over northern parts of Afghanistan and adjoining area.
- 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) Moderate to strong moist currents are penetrating the upper parts of the country from Arabian Sea and Bay of Bengal up to 5000 feet.
- e) Seasonal Low lies over northeast Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to widespread thunderstorm rain of **MODERATE TO HEAVY** intensity with isolated **VERY HEAVY FALLS** is expected over the upper catchments of all the major rivers along with Islamabad. Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur and DG Khan divisions. Isolated thunderstorm rain of moderate intensity is expected over Zhob, Sibbi, Nasirabad, and Kalat divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

No significant change.

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

Indus:	Islamabad [Bokra=107, Katcheri (Chaklala)=93, Saidpur=65, Golra=51, Chaklala (Airbase)=30, Shamsabad=13, PMD Headquarters=09, New Airport=01], Shinkhari=12, Tarbela=10, Mithi=07, Barkhan=05, Murree=04, Risalpur=Trace.
Jhelum:	Kallar=20, Balakot=10, Garhi Dopatta=04, Mangla=01.
Chenab:	Shorkot (Airbase)=05, Jhang=01, Noorpur Thal=Trace.
Ravi:	Lahore [Shahdara=25, Shahi Qilla=18, Misri Shah, Luckshami & Mughal Pura=08(each), Qurtba chock=07, Gulshan e Ravi, Samanabad, City & Upper Mall=Trace(each)], Faisalabad=21, Sahiwal=11, Okara=03, Narowal=Trace.
Sutlej:	Bahawalnagar=Trace.
Others:	Lasbela=02, Khuzdar & Panjgur=01(each).

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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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	Scattered to widespread thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)	TARBELA Current: 1542.00 Max. Conservation: 1550.00 Live Storage 92.0% MANGLA Current: 1208.85 Max Conservation: 1242.00 Live Storage 66.3%
JHELUM	-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	259.0	158.0	220-250	Below Low	832.0 (2010)	350.0
	Kalabagh	950	338.1	330.1	330 F 240	Low	950.0 (1942)	401.7
	Chashma	950	376.1	363.4	370 F 300	-do-	1038.9 (2010)	432.7
	Taunsa	1100	435.8	429.8	430-440	Medium	960.0 (2010)	440.3
	Guddu	1200	403.9	384.5	360 -380	-do-	1199.7 (1976)	403.9
	Sukkur	1500	313.2	282.9	315-330	Low	1166.6 (1986)	313.2
	Kotri	875	156.0	115.7	160-175	Below Low	980.3 (1956)	156.0
KABUL	Nowshera	-	68.3	68.3	60-80	Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	23.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	8.2	5.3	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	69.1	51.6	60-80	Below Low	1100.0 (1957)	136.5
	Khanki	1100	71.0	62.8	No Sig. change	-do-	1086.5 (1959)	100.7
	Qadirabad	807	68.4	50.4	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	59.5	44.0	-do-	-do-	944.0 (1928)	78.8
	Punjnad	700	48.8	37.1	-do-	-do-	802.5 (1973)	48.8
RAVI	Jassar	275	7.6	7.6	5-15	-do-	680.0 (1955)	26.8
	Shahdara	250	14.5	14.5	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	46.6	18.0	40-45	Low	389.8 (1988)	51.7
	Sidhnai	150	24.6	9.9	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	6.4	4.3	-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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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-057/24

Dated: 10th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (11th-August, 2024 to 17th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered thunderstorm rain of MODERATE intensity with Isolated HEAVY FALLS is likely to continue.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High flood situation is expected.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
Chief Meteorologist
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