

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

BULLETIN No. A-028/24

**Dated: - 12th July, 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 Kabul at Nowshera is in Low flood level whereas all the other major rivers are flowing below low flood level. **Low to medium level flows are expected in Hill torrents of DG Khan Division up to 15th July. Low to medium level flow are also expected in nullah's of Chenab and Ravi Catchments during next 24-hrs.**

II: METEOROLOGICAL FEATURES:

- a. Yesterday's trough of westerly wave persists over northeastern parts of Afghanistan and adjoining areas.
- b. Moderate to strong moisture incursion from the Arabian Sea, penetrating upper parts of the country with directional convergence over upper Punjab up to 5000 feet, while moisture from the Bay of Bengal is cut off.
- c. Seasonal low is located over northeast Balochistan and adjoining areas with central pressure below 991 hPa.
- d. Moderate pressure gradient lies over northern parts of Afghanistan.
- e. Active Monsoon trough axis lies below the foothill of Himalaya.
- f. No cyclogenesis activity is expected over Bay of Bengal and Arabian sea during next few days.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Widespread thunderstorm rain of moderate to heavy intensity with isolated very heavy fall is expected over Islamabad & Rawalpindi, Gujranwala & Lahore Divisions. Scattered thunderstorms of moderate intensity with isolated heavy falls are expected over the upper catchments of all the major rivers along with Peshawar, Kohat, Bannu, DI Khan, Sargodha, Faisalabad and DG Khan Divisions. Isolated thunderstorms of light to moderate intensity are expected over, Multan, Zhob, Kalat, Nasirabad and Sibbi Division.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Wet spell likely to continue.

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

Indus:	Lower Dir=36, Islamabad [Chaklala (Airbase=30 & Katcheri=11), Saidpur=17, Golra=16, Zeropoint & Shamsabad=09(each), Bokra=08, New Airport=Trace], Besham=09, Shinkhari=06, Kamra (Airbase) & Tarbela=05(each), Malam Jabba & Bosak Bidge=03(each), Murree=02, Astore, Oghi & Larkana=01(each), Dir, Attock, Bunji, Dratian & Ghalanai=Trace(each).
Jhelum:	Hajira, Balakot, Garhi Dopatta & Chakothei=01(each), Sara-e-Alamgir=Trace.
Chenab:	Barnala=02.
Ravi:	Lahore [Taj Pura=155, Luckshami=81, Shahi Qilla=71, Qurtba Chowk=70, Gulshan-e-Ravi=68, Samanabad=62, Airport=61, Mughal Pura=60, Misri Shah & Iqbal Town=59(each), Upper Mall=51, Gulberg=41, Township=40, Jail Road=38, Shahdara=35, Johar Town=22] (up to 09:30-am).
Sutlej:	Kasur=08.
Others:	Karachi & Loralai=Trace(each).

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**(Shahid Abbas)
Chief Meteorologist
FFD Lahore**

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Dated: - 12th July, 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	Widespread thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	Scattered thunderstorm/rain (Sargodha Division)	Current:	1521.70
CHENAB	-do-	Widespread thunderstorm/rain (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	-do-	Mainly dry (Bahawalpur Division)	Current:	1193.60
			Max Conservation:	1242.00

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	179.0	107.9	180-190	Below Low	832.0 (2010)	296.0
	Kalabagh	950	195.7	187.7	No Sig. change	-do-	950.0 (1942)	234.2
	Chashma	950	211.6	205.2	-do-	-do-	1038.9 (2010)	254.4
	Taunsa	1100	204.1	180.1	-do-	-do-	960.0 (2010)	218.4
	Guddu	1200	189.9	147.2	-do-	-do-	1199.7 (1976)	189.9
	Sukkur	1500	128.2	75.0	-do-	-do-	1166.6 (1986)	135.5
	Kotri	875	40.0	3.1	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	70.7	70.7	70-85	Low	391.3 (1990)	96.6
JHELUM	Mangla	1060	32.0	22.0	55-85	Low Sharp peak up to medium	1090.0 (1992)	114.6
	Rasul	850	19.4	0.0	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	59.4	27.6	80 R 160	Medium	1100.0 (1957)	98.9
	Khanki	1100	24.8	16.8	80 R 150	-do-	1086.5 (1959)	95.1
	Qadirabad	807	37.3	21.3	40 R 100	Low	948.5 (1992)	93.1
	Trimmu	645	21.7	6.0	No Sig. change	Below Low	944.0 (1928)	46.5
	Punjnad	700	26.7	12.9	-do-	-do-	802.5 (1973)	33.8
RAVI	Jassar	275	5.3	5.3	10-20	-do-	680.0 (1955)	6.4
	Shahdara	250	15.4	15.4	-do-	-do-	576.0 (1988)	17.8
	Balloki	225	31.9	3.6	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	20.6	5.0	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	2.0	2.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	19.5	6.7	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.6	6.6	-do-	-do-	492.6 (1955)	8.6

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-028/24

Dated: - 12th July, 2024
Time:- 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (13th-July, 2024 to 19th-July,2024)

➤ **RAINFALL OUTLOOK:**

Scattered thunderstorm rain of moderate intensity with isolated heavy rainfall is expected over the upper catchments of all the major rivers up to 15th July and decrease thereafter.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High flood situation is expected. However, flows may rise in all major rivers and its tributaries. Low to medium level flows are also expected to rise in hill torrents of DG Khan Division and nullahs of Ravi and Chenab up to 15th July.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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