

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

BULLETIN No. A-029/24

**Dated: - 13th 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. **Medium to High level flows are expected in Hill torrents of DG Khan Division during next 24-hour.**

II: METEOROLOGICAL FEATURES:

- a. Yesterday's trough of westerly wave over northeastern parts of Afghanistan and adjoining areas, today lies over Kashmir and adjoining areas. It is very likely to move away eastwards during next 24-hours.
- b. Moderate to strong moisture incursion from the Arabian Sea is converging over South Punjab and adjoining area of Sindh and Balochistan up to 5000 feet, while moisture from the Bay of Bengal is still cut off.
- c. Well-marked Seasonal low is located over northeast Balochistan and adjoining areas with central pressure below 990 hPa.
- d. Monsoon trough axis lies along the foothill of Himalaya.
- e. No cyclogenesis activity is expected over Bay of Bengal and Arabian sea during next few days.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm/rain of moderate to heavy intensity is expected over the upper catchment of rivers Indus and Kabul along with DG Khan, Zhob, Kalat, Nasirabad and Sibbi Division. Scattered thunderstorm/rain of moderate intensity is expected over the upper catchment of Rivers Jhelum, Chenab, Ravi and Sutlej along with Islamabad & Rawalpindi, Gujranwala, Sargodha, Peshawar, Kohat, Bannu, D.I Khan & Larkana Divisions. Isolated thunderstorms/rain of moderate intensity is expected over Lahore, Faisalabad, Sahiwal Multan & Bahawalpur Divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Intensity of wet spell is likely to decrease.

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

Indus:	Barkhan=43, Bhakkar=33, DG Khan [Vehova=30, Airport=29, Zain Sanghar=10], D.I.Khan(City=21 & Airport=14), Khawagoobo Bridge=27, Layyah(Krore)=20, Tarbela=05, Lower Dir, Bhandu Wala & Rahim Yar Khan=04(each), Daggar, Malam Jabba & Attock=03(each), Dir & Mianwali (Airbase)=02(each), Phulra, Khaar-Bajaur, Saidu Sharif & Bannu=01(each), Bunji & Khanpur=Trace(each).
Jhelum:	Sargodha (Airbase=68 & City=58), Jhelum=21, Mandibahauddin=16, Mangla=10, Joharabad=09, Kallar=05, Chakwal=04, Hajira, Tandali & Baba Shah Jalal=01(each).
Chenab:	Kot Addu=40, Sialkot (Cantt=27 & Airport=20), Hafizabad & Gujranwala=25(each), Gujrat=11, Jhang=09, Multan [City=08 & Airport=07], Shorkot (Airbase)=08, Muzaffargarh=03, Marala=02, Alexandra Bridge=01, Noorpur Thal=Trace.
Ravi:	Lahore [Taj Pura=160, Township=132, Shahdara=114, Misri Shah & Iqbal Town=99(each), Luckshami & Samanabad=97(each), Mughal Pura & Johar Town=87(each), Gulshan e Ravi=83, Qurtba chowk=82, Shahi Qilla=80, Upper Mall=79, Gulburg=64, City=31, Airport=25], Faisalabad [Gulam Muhammand Abad=89, Madina Town=86, Dogar Basti=81, Gulistan Colony=76, Allama Iqbal Colony=73, Airport=40], T.T. Singh=48, Sheikhpura=37, Sahiwal=18, Okara=15, Khanewal & Zafarwal=03(each), Narowal=01.
Sutlej:	Bahawalnagar=35, Kasur=13, Bahawalpur (Airport=08 & City=04).
Others:	Sibbi=10, Karachi (Airport) & Zhob=Trace(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 thunderstorm/rain	Scattered thunderstorm/rain (Rawalpindi Division)	TARBELA Current: 1523.34 Max. Conservation: 1550.00 MANGLA Current: 1194.00 Max Conservation: 1242.00
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	Isolated thunderstorm/rain (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	185.0	163.2	180-190	Below Low	832.0 (2010)	296.0
	Kalabagh	950	172.6	164.6	190-220	-do-	950.0 (1942)	234.2
	Chashma	950	248.4	245.8	No Sig. change	-do-	1038.9 (2010)	254.4
	Taunsa	1100	199.1	180.6	200-230	-do-	960.0 (2010)	223.4
	Guddu	1200	186.3	151.4	No Sig. change	-do-	1199.7 (1976)	189.9
	Sukkur	1500	135.7	82.3	-do-	-do-	1166.6 (1986)	135.7
	Kotri	875	41.2	3.2	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	70.6	70.6	70-95	Low to Medium	391.3 (1990)	96.6
JHELUM	Mangla	1060	33.0	19.6	40-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	17.9	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	66.1	38.3	60-90	-do-	1100.0 (1957)	98.9
	Khanki	1100	32.8	24.9	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	43.7	27.7	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	20.4	5.2	-do-	-do-	944.0 (1928)	46.5
	Punjnad	700	35.2	21.4	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	6.4	6.4	5-15	-do-	680.0 (1955)	6.4
	Shahdara	250	17.8	17.8	-do-	-do-	576.0 (1988)	17.8
	Balloki	225	34.9	8.1	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	19.7	5.2	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	4.3	4.3	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	19.1	7.8	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.5	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-029/24

Dated: - 13th July, 2024
Time:- 11:20 hours (PST)

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

➤ **RAINFALL OUTLOOK:**

No significant flood generating rainfall is expected over the upper catchments of all Major rivers.

➤ **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)
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