

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

BULLETIN No. A-055/24

**Dated: 08th August, 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 Indus at Chashma and Taunsa is in Medium flood level while river Indus at Tarbela, Kalabagh, 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.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Westerly Wave over Kashmir has moved away eastwards. A fresh trough of westerly wave lies over northwest Iran and adjoining areas. **It is likely to reach in the vicinity of the country from 10th August.**
- b) Active monsoon trough extends from upper air circulation at Jharkhand to northeast Punjab.
- c) Yesterday's Low over northwest Rajasthan and adjoining Pakistan has become insignificant for the country.
- d) Yesterday's upper air cyclonic circulation over Gangetic West Bengal has moved westwards and today lies over central Jharkhand. It is likely to mainly affect the **Upper Catchments of Eastern Rivers from 10th August.**
- e) Moderate moist currents are penetrating 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 and Kalat divisions.

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

Scattered to Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with Isolated **EXTREMELY HEAVY FALLS** is expected over the upper catchments of rivers Sutlej, Ravi and Chenab along with Gujranwala and Lahore divisions. Scattered thunderstorm of moderate to heavy intensity with isolated **VERY HEAVY** falls is expected over the upper catchments of rivers Indus, Kabul and Jhelum along with Islamabad and rest of Punjab, Kyber Pakhtunkhwa along with Zhob, Sibi, Nasirabad and Kalat divisions.

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

Indus:	Islamabad [PMD Headquarters=129, Golra=119, Bokra=91, Shamsabad=85, Saidpur=79, Chaklala (Airbase)=66, Katcheri (Chaklala)=65, New Airport=03], Risalpur=67, Peshawar (City=39, Bacha Khan Airport=22, Airbase=20), Takht Bai & Tarbela=33(each), Kamra (Airbase)=32, Barkhan=16, Malam Jabba=15, Mamad Gut=10, Kakul & Attock=06(each), Daggar=05, Phulra, Buner & Bunji=03(each), Murree, Astore & Skardu=02(each), Cherat, Mardan, Dir, Kabul (Nowshera) & Kalpani (Rashidabad)=01(each), Ghalanai, Khaar-Bajaur, Besham & Dratian=Trace(each).
Jhelum:	Panjera=54, Bandi Abbaspur=40, Dhulli=28, Kallar=20, Muzaffarabad (Airport=06 & City=Trace), Mandibahauddin=05, Chakwal & Chakothi=04(each), Kotli & Garhi Dopatta=03(each), Tandali=01.
Chenab:	Gujranwala [Sheranwala Bagh=45, Liaqat Bagh=40, Peoples Colony=30, Model Town=28, City=17], Barnala=36, Marala=09, Sialkot (Airport=05 & Cantt=02), Gujrat=04, Hafizabad=Trace.
Ravi:	Lahore [Shahdara=41, Shahi Qilla=20, Misri Shah=15, Iqbal Town & Luckshami=12(each), Qurtba chock=09, Gulshan e Ravi=07, Samanabad=05, Mughal Pura=03, City & Gulburg=02(each), Johar Town, Taj Pura & Upper Mall=01(each), Airport & Township=Trace(each)], Zafarwal=15, Sheikhpura=11, Narowal=02.
Sutlej:	Bahawalnagar & Kasur=11(each).
Others:	Khuzdar=11, Ziarat=05, Quetta (Sheaikh Manda & Samungli)=Trace(each).

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**(Shahid Abbas)
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FFD Lahore**

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-055/24

Dated: - 08th 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)	
INDUS	Scattered thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1539.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	89.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1207.75
			Max Conservation:	1242.00
			Live Storage	65.3%

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	350.0	295.8	330-340	Low	832.0 (2010)	350.0
	Kalabagh	950	367.3	359.3	370-400	-do-	950.0 (1942)	381.8
	Chashma	950	400.1	384.0	380-410	Medium	1038.9 (2010)	428.8
	Taunsa	1100	429.5	429.5	430-440	-do-	960.0 (2010)	429.5
	Guddu	1200	349.6	336.5	360 -390	-do-	1199.7 (1976)	349.6
	Sukkur	1500	277.0	252.2	280-310	Low	1166.6 (1986)	277.0
	Kotri	875	133.5	94.7	135-160	Below Low	980.3 (1956)	133.5
KABUL	Nowshera	-	85.6	85.6	75-85	Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	35.0	10.0	40-70	Below Low	1090.0 (1992)	114.6
	Rasul	850	10.9	8.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	112.0	90.5	120-150	Low - Medium	1100.0 (1957)	136.5
	Khanki	1100	92.8	84.5	90-120	-do-	1086.5 (1959)	96.0
	Qadirabad	807	77.7	59.7	70-100	-do-	948.5 (1992)	93.1
	Trimmu	645	53.1	37.5	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjnad	700	38.6	26.9	-do-	-do-	802.5 (1973)	38.6
RAVI	Jassar	275	8.8	8.8	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	42.5	13.9	40-45	Low	389.8 (1988)	51.7
	Sidhnai	150	30.3	15.8	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	18.8	6.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	10.6	8.3	-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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(Shahid Abbas)
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BULLETIN No. C-055/24

Dated: 08th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (09th-August, 2024 to 15th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered to Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with Isolated **EXTREMELY HEAVY FALLS** is expected over the upper catchment of rivers **Sutlej, Ravi** and **Chenab** along with Gujranwala and Lahore divisions. Scattered thunderstorm of **MODERATE TO HEAVY INTENSITY** with isolated **Very Heavy Falls** is expected over Islamabad and rest of 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.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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