

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

BULLETIN No. A-064/24

Dated: 17th 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 Guddu & Sukkur are at **Medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa and River Kabul at Nowshera are at Low flood level.

During 17th to 18th August:

Warning: Medium to High level flash flooding is expected in the hill torrents of DG Khan division and in the Nullahs of Sibbi, Nasirabad, Zhob, Kalat, Larkana and Hyderabad (Dadu and Naushahro Feroze Districts) divisions.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Strong Westerly Wave persists over Northern parts of Afghanistan.
- b) Yesterday's upper air cyclonic circulation over Northwest Rajasthan moved westward, intensified into **Well-Marked Low** and lies over Bahawalpur division and adjoining areas of Sindh.
- c) **Moderate To Strong** moist currents are penetrating Sindh, South Punjab, and adjoining areas of Balochistan from the Arabian Sea, extending up to 10,000 feet, while light to moderate moist currents are influencing the upper parts of the country, extending up to 5,000 feet.
- d) Center of directional convergence lies over south Punjab and adjoining Sindh.
- e) Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 48-HOURS:

Scattered Thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad and Sahiwal divisions.

Warning: Widespread thunderstorm rain of **Moderate to Heavy** intensity with Scattered **Very Heavy** and Isolated **Extremely Heavy** falls is expected over Sindh along with DG Khan, Multan, Bahawalpur, Zhob, Nasirabad, Sibbi, Kalat and Makran divisions.

IV: WEATHER OUTLOOK:

Wet spell is likely to decrease in Southern parts of the country after 48 hours. A fresh wet spell of Moderate intensity with isolated Heavy falls is expected to start from 20th August over the upper catchments of rivers Kabul, Indus & Jhelum along with Islamabad, Kyber Pakhtunkhwa and Rawalpindi, Sargodha & DG Khan divisions. Moderate intensity rainfall is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Gujranwala and Lahore divisions.

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

Indus:	Rahim Yar Khan=80, Bhandu Wala=67, Chhor=58, DG Khan (Airport=57 & Fort Munro=01), Islamabad [Chaklala (Airbase)=40, Shamsabad=39, Saidpur=30, Golra=23, Bokra=16, PMD Headquarters=13, Katcheri(Chaklala)=10, New Airport=02], Layyah (Kror)=35, D.I.Khan (Airport=33 & City=01), Khanpur=28, Kamra (Airbase)=18, Mirpur Khas=17, Bhakkar=14, Tarbela & Khairpur=13(each), Mithi=10, Rohri=09, Parachinar=08, Sukkur=07, Murree=06, Kakul=03, Phulra, Mianwali (Airbase) & Barkhan=02(each), Ghalanai, Buner, Raisalpur & Sakrand=01(each), Chilas, Landi Kotal & Padidan=Trace(each).
Jhelum:	Jhelum=46, Domel=43, Garhi Dopatta=42, Kotli=41, Chakwal=29, Dhulli=27, Mandibahauddin=23, Mangla & Bandi Abbaspur=21(each), Sargodha (Airbase=19 & City=13), Panjera=14, Chakothi=11, Joharabad=08, Muzaffarabad (City=06 & Airport=04), Baba Shah Jalal=05, Chattar Kallas=03, Rawalakot=02, Deolian=Trace.
Chenab:	Multan [Kiri Jamandan=133, Chungi No.9=116, Shuja Abad=94, Airport=56, City=37], Hafizabad=65, Gujranwala [Liaqat Bagh=55, City=50, Model Town=42, Peoples Colony=40, Sheranwala Bagh=36], Jhang=53, Sialkot (Airport=42 & Cantt=26), Noorpur Thal=32, Kot Addu=26, Muzzafargarh=24, Shorkot (Airbase)=17, Marala=04, Gujrat=03, Barnala=Trace.
Ravi:	Faisalabad [Dogar Basti=127, Gulam Muhammad Abad=79, Madina Town & Gulistan Colony=72(each), Allama Iqbal Colony=69, Airport=53], T.T. Singh=78, Khanewal=67, Lahore [Shahi Qilla=50, Iqbal Town=46, Luckshami=38, Taj Pura=37, Shahdara=35, Gulburg=33, Upper Mall=32, Township=31, Qurtba chock=30, Misri Shah=27, Johar Town=26, Gulshan e Ravi & Mughal Pura=23(each), Samanabad=22, Jail Road=21, Airport=18], Sahiwal=39, Sheikhpura=28, Narowal=17, Okara=14, Zafarwal=08.
Sutlej:	Bahawalpur (Airport=26 & City=25), Kasur=06, Bahawalnagar=03.
Others:	Chaman=15, Zhob=02, Kalat=01, Quetta (Samungli)=Trace, Karachi [Kemari, Saadi Town, Airport, University Road, Masroor, Jinnah Terminal, Faisal Base, Gulshan e Maymar & Orange Town=Trace(each)].

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(Shahid Abbas)
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FFD Lahore

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

BULLETIN No. B-064/24

Dated: - 17th 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	Widespread thunderstorm rain (Sindh and DG Khan Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1549.00
CHENAB	-do-	Scattered thunderstorm rain (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	98.9%
SUTLEJ	-do-	Widespread thunderstorm rain (Bahawalpur Division)	MANGLA	
			Current:	1212.80
			Max Conservation:	1242.00
			Live Storage	70.0%

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	279.0	307.2	260-280	Low	832.0 (2010)	350.0
	Kalabagh	950	327.9	321.6	330-350	-do-	950.0 (1942)	401.7
	Chashma	950	356.8	344.7	330-360	-do-	1038.9 (2010)	432.7
	Taunsa	1100	342.6	318.1	340-380	Low to Medium	960.0 (2010)	442.2
	Guddu	1200	389.9	385.6	380-400	Medium	1199.7 (1976)	431.3
	Sukkur	1500	381.9	362.9	380-400	-do-	1166.6 (1986)	393.0
	Kotri	875	209.8	174.4	210-220	Low	980.3 (1956)	209.8
KABUL	Nowshera	-	64.9	64.9	60-70	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	35.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	9.3	5.3	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	69.2	47.0	60-90	-do-	1100.0 (1957)	178.8
	Khanki	1100	81.4	73.3	50-70	-do-	1086.5 (1959)	177.1
	Qadirabad	807	85.5	67.5	60-80	-do-	948.5 (1992)	163.2
	Trimmu	645	48.5	38.3	50-60	-do-	944.0 (1928)	78.8
	Punjad	700	57.7	51.7	No Sig. change	-do-	802.5 (1973)	57.9
RAVI	Jassar	275	26.8	26.8	15-25	-do-	680.0 (1955)	40.4
	Shahdara	250	28.0	28.0	30-40	Low	576.0 (1988)	28.0
	Balloki	225	39.4	12.7	40-65	Low to Medium	389.8 (1988)	53.1
	Sidhnai	150	32.8	23.6	No Sig. change	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	16.4	9.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.4	7.5	-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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BULLETIN No. C-064/24

Dated: 17th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (18th-August, 2024 to 24th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Wet spell is likely to decrease in Southern parts of the country after 48 hours. A fresh wet spell of Moderate intensity with isolated Heavy falls is expected to start from 20th August over the upper catchments of rivers Kabul, Indus & Jhelum along with Islamabad, Kyber Pakhtunkhwa and Rawalpindi, Sargodha & DG Khan divisions. Moderate intensity rainfall is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Gujranwala and Lahore divisions.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High flood situation is expected in any of the Major rivers.

Note: This forecast is updated on daily basis.

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