

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

BULLETIN No. A-051/24

**Dated: - 04th 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 Tarbela, Kalabagh & Chashma and River Kabul at Nowshera are in Low flood level, while all the other major rivers are flowing below Low flood level.

Low to Medium level flows are expected in River Indus at Tarbela (During 48 hours).

Warning (for next 48 hours): **High to Very High level Flash Flooding** is expected in hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad and Kalat divisions. **Medium to High Level Flash Flooding** is also expected in Larkana, Hyderabad (Dadu & Jamshoro Districts) divisions and in River Kabul at Nowshera.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of **Strong Westerly Wave** over northeast Afghanistan and adjoining Pakistan persists.
- b) Yesterday's **Low-Pressure Area** over northeast Sindh today lies over Khairpur and extending up to 500 hPa.
- c) Yesterday's Depression has intensified into **Deep Depression** and today lies over northeast Madhya Pradesh.
- d) Moderate to strong moist currents are penetrating the southern parts of the country from the Arabian Sea and the Bay of Bengal up to 7,000 feet, while in the upper parts of the country from the Bay of Bengal up to 5,000 feet.
- e) Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to widespread thunderstorm rain of moderate intensity with isolated **HEAVY FALLS** with one or two **VERY HEAVY FALLS** is expected over the upper catchments of rivers Kabul and Indus along with Khyber-Pakhtunkhwa & Islamabad and Rawalpindi Division. Scattered thunderstorm rain of moderate intensity with isolated heavy fall is also expected over the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej along with Sargodha, Gujranwala, Lahore, Faisalabad, Multan and Sahiwal Divisions.

Warning (for next 48 hours): Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** fall is expected over DG Khan, Bahawalpur, Zhob, Sibbi, Nasirabad, Kalat, Larkana, Sukkur, Hyderabad and Mirpur Khas Divisions. Scattered thunderstorm rain of Moderate intensity with isolated heavy falls is also expected over the rest of Sindh and Balochistan.

IV: WEATHER OUTLOOK DURING NEXT 48-HOURS:

Wet spell is likely to continue.

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

Indus:	Shaheed Benazirabad=117, Sakrand=112, Shinkari=111, Cherat=105, Rahim Yar Khan=92, Jacobabad=89, Islamabad [Golra=80, Saidpur=17, Chaklala (Airbase)=Trace], Padidan=76, Khairpur=62, Sukkur=61, Bhandu Wala=59, Mirpur Khas=47, Rohri=44, Risalpur & Oghi=43(each), Larkana=35, Tando Jam & Dadu=31(each), Malam Jabba=30, Peshawar (Bacha Khan Airport=30, City=28, Airbase=24), Moin-Jo-Daro=29, Saidi Sharif=28, Lower Dir & Khanpur=27(each), Bosak Bidge=24, Mithi=21, Takht Bai & Ghalanai=20(each), Kohat Airbase=17, Besham & Chhor=15(each), Kalam=12, Kakul=11, Parachinar=10, Dir & Pashat-Bajaur=09(each), Hyderabad(Airport) & Khaar-Bajaur=07(each), Warsak Dam=06, Bannu & Tanda Dam=05(each), Pattan & Kabul (Nowshera)=04(each), DG Khan (Airport), Gupis & Chakdara=03(each), Khawagoobo Bridge, Mardan & Buner=02(each), Layyah, Gilgit, Landi Kotal, Kalpani (Rashidabad) & Daggar=01(each), Phulra, Darashoot, Kamra (Airbase) & Kurrum Garhi=Trace(each).
Jhelum:	Balakot=113, Mandibahauddin=30, Domel=13, Rawalakot=10, Muzaffarabad (City & Airport=09(each), Dhulli & Jhelum=06(each), Bandi Abbaspur=04, Chakwal=03, Tandali & Kotli=02(each), Chakothi & Mangla=Trace(each).
Chenab:	Barnala=49, Sialkot (Airport=09 & Cantt=03), Gujrat=04, Marala=03, Shorkot (Airbase)=02, Kot Addu=Trace.
Ravi:	Khanewal, Narowal & Lahore (City)=Trace(each).
Sutlej:	Bahawalpur (Airport)=12.
Others:	Kalat=45, Muslim Bagh=07, Lasbela=05, Karachi [Quaidabad=04, Gulshan e Maymar=02, Kemari & Faisal Base=01(each), DHA, Masroor, Surjani Town, North Karachi, & Airport=Trace(each)]. Khuzdar, Quetta (Samungli & Sheaikh Manda)=03(each), Pishin=02, Ziarat=01, Sibbi=Trace.

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(Shahid Abbas)
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Dated: - 04th 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 to Widespread thunderstorm rain	Scattered to Widespread thunderstorm rain (Rawalpindi Division)	TARBELA Current: 1535.00 Max. Conservation: 1550.00 Live Storage 85.2% MANGLA Current: 1204.95 Max Conservation: 1242.00 Live Storage 62.8%
JHELUM	-do-	Scattered thunderstorm rain (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Widespread thunderstorm/rain (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	343.0	268.4	330-350	Low	832.0 (2010)	343.0
	Kalabagh	950	337.8	329.8	340-390	Medium	950.0 (1942)	378.3
	Chashma	950	423.0	399.3	380-400	-do-	1038.9 (2010)	426.3
	Taunsa	1100	351.2	331.7	360-400	-do-	960.0 (2010)	351.2
	Guddu	1200	199.5	199.5	200-220	Low	1199.7 (1976)	199.5
	Sukkur	1500	167.3	138.8	160-190	Below Low	1166.6 (1986)	167.3
	Kotri	875	78.4	44.5	No Sig. change	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	82.7	82.7	90-120	Medium	391.3 (1990)	105.5
JHELUM	Mangla	1060	28.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	2.7	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	81.5	54.3	80-95	-do-	1100.0 (1957)	106.3
	Khanki	1100	57.0	49.1	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	48.3	30.3	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	52.5	36.9	-do-	-do-	944.0 (1928)	53.7
	Punjnad	700	24.9	17.3	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	6.4	6.4	5-10	-do-	680.0 (1955)	26.8
	Shahdara	250	19.5	19.5	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	51.7	23.2	50-60	Low	389.8 (1988)	51.7
	Sidhnai	150	25.0	10.9	No Sig. change	Below Low	330.2 (1988)	25.0
SUTLEJ	G.S. Wala	--	10.5	10.5	-do-	-do-	837.0 (1955)	10.5
	Sulemanki	325	22.2	9.8	-do-	-do-	598.9 (1955)	46.2
	Islam	300	4.3	2.9	-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-051/24

Dated: 04th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (05th-August, 2024 to 11th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered to widespread thunderstorm rain of moderate intensity with isolated **HEAVY FALL** is expected over the upper catchment of all the major rivers.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are like to increase in rivers Jhelum, Chenab along with Nullahs of Ravi and Chenab.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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