

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

BULLETIN No. A-076/24

Dated: 29th 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 Kotri is in **Medium** flood level, while at Tarbela, Guddu and Sukkur, it is in Low flood level.

Warning: (up to 31st August):

FLASH FLOODING is expected in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat divisions). Urban flooding is expected in Metropolitan cities of Sindh.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's **DEEP DEPRESSION** over northwest Gujarat (India) and adjoining southeast Sindh remained stationary, extending vertically up to 9 km.
- b) Yesterday's trough of westerly wave persists over northern parts of the country.
- c) Light to moderate moist currents from Bay of Bengal are penetrating the upper catchments of all the major rivers. While **STRONG MOIST CURRENTS** are penetrating from both sources into south Sindh and adjoining areas up to 10,000 feet.
- d) Weak Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR 48-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, Khyber Pakhtunkhwa, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad and Sahiwal divisions.

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Loralai, Sibbi, Nasirabad, Kalat and Makran divisions) and south Punjab (DG Khan, Multan and Bahawalpur divisions).**

IV: WEATHER Outlook AFTER 48-HOURS:

Wet spell is likely to decrease after 48 hours in Sindh and South Punjab. However, monsoon activity is likely to continue over Balochistan for further 24 hours.

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

Indus:	Mirpur Khas=143, Badin=112, Chhor=81, Mithi=70, Hyderabad (Airport=63 & City=53), Tando Jam=61, D.I.Khan (Airport=34 & City=09), Mianwali (Airbase=30), Astore=28, Kakul=26, Thatta=25, Bagrote=22, Shaheed Benazirabad, Hunza & Bunji=15(each), Gilgit & Chilas=13(each), Islamabad [Golra=10, New Airport=05, Chaklala (Katcheri), Zeropoint & Bokra=02(each), Shamsabad & Saidpur=01, Chaklala (Airbase)=Trace], Sakrand & Shinkari=09(each), Pattan=08, Bhakkar=07, Murree & Oghi=05(each), Khairpur, Besham, Moin-Jo-Daro & Padidan=03(each), Skardu & Dadu=02(each), Layyah(Karor) & Larkana=01(each), Kamra (Airbase) & Rohri=Trace(each).
Jhelum:	Chattar Kallas=75, Sargodha (Airport Airbase=70 & City=58), Muzaffarabad (Airport=39 & City=20), Sharda=38, Domel=27, Joharabad=18, Garhi Dopatta=17, Balakot=16, Chakothi=12, Chakwal & Dhulli=08(each), Palandri & Rawalakot=07(each), Bandi Abbaspur=05, Mangla & Kotli=03(each), Mandibahauddin=01, Deolian, Jhelum, Baba Shah Jalal, Panjera & Tandali=Trace(each).
Chenab:	Sialkot (Airport=07 & Cantt=04), Kot Addu=36, Hafizabad=23, Multan (Airport=06 & City=01), Gujranwala=06, Gujrat=05, Marala=02, Noorpur Thal=01, Shorkot (Airbase)=Trace.
Ravi:	Okara=61, Sahiwal=34, Lahore (Gulburg & Upper Mall=18(each), Misri Shah=15, Luckshami=13, Airport, Qurtba chowk & Samanabad=12(each), Taj Pura & Iqbal Town=11(each), Shahdara=09, Jail Road, Mughal Pura & Gulshan e Ravi=08(each), Township & Shahi Qilla=07(each), Johar Town=01], Faisalabad [Ghulam Muhammad Abad=37, Dogar Basti=36, Allama Iqbal Colony=23, Madina Town & Gilistan Colony=19(each), City=12], T.T. Singh=23, Sheikhpura=09, Khanewal=Trace.
Sutlej:	Kasur=08, Bahawalnagar=03.
Others:	Karachi [Surjani Town=30, Nazimabad=26, Kemari=21, Gulshan e Hadeed=16, North Karachi=15, Faisal Base =14, University Road, Saddar & Orange Town=13(each), Airport & Quaidabad=12(each), Gulshan e Maymar=11, Jinnah Terminal =10, Masroor=09, Korangi & DHA=08(each), Gadap Town=04, Bin Qasim=01], Pishin=01.

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(Shahid Abbas)
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FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. B-076/24

Dated: - 29th 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:	1550.00
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	100.00%
SUTLEJ	-do-	Widespread thunderstorm rain (Bahawalpur Division)	MANGLA	
			Current:	1217.90
			Max Conservation:	1242.00
			Live Storage	74.96%

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	256.2	160-180	Below Low	832.0 (2010)	350.0
	Kalabagh	950	244.7	240.8	230-250	-do-	950.0 (1942)	401.7
	Chashma	950	245.9	225.8	240-250	-do-	1038.9 (2010)	432.7
	Taunsa	1100	184.5	169.0	No Sig. change	-do-	960.0 (2010)	442.2
	Guddu	1200	228.1	226.1	210-225	Low	1199.7 (1976)	431.3
	Sukkur	1500	271.8	267.8	240-270	Low	1166.6 (1986)	401.1
	Kotri	875	331.6	330.7	332-340	Medium	980.3 (1956)	322.5
KABUL	Nowshera	-	33.4	33.4	30-50	Below Low	391.3 (1990)	114.2
JHELUM	Manla	1060	18.0	8.0	30-60	-do-	1090.0 (1992)	114.6
	Rasul	850	2.3	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	51.1	22.2	50-60	-do-	1100.0 (1957)	178.8
	Khanki	1100	32.7	25.2	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	28.9	10.9	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	29.2	18.0	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	54.2	39.6	-do-	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	11.1	11.1	3-10	-do-	680.0 (1955)	40.4
	Shahdara	250	21.2	21.2	No Sig. change	-do-	576.0 (1988)	28.0
	Balloki	225	42.0	20.8	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	22.7	17.2	-do-	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	2.9	2.9	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	14.9	10.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	8.0	7.5	-do-	-do-	492.6 (1955)	12.5

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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 FFD Lahore

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BULLETIN No. C-076/24

Dated: 29th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (30th-August, 2024 to 05th-September, 2024)

➤ **RAINFALL OUTLOOK:**

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions)**, during next 48 hours.

Wet spell is likely to decrease after 48 hours in Sindh and South Punjab. However, monsoon activity is likely to continue over Balochistan for further 24 hours.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant change is expected in the flows of any of the major rivers.

Warning (up to 31st August):

FLASH FLOODING is expected in the areas along **Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cities of Sindh.**

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Note: This forecast is updated on daily basis.