

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

BULLETIN No. A-077/24

**Dated: 30th 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 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 has moved southwestwards and today lies northeast Arabian Sea approx. 120 km south of Thatta. The trough associated with the deep depression extends up to north Punjab.
- b) Yesterday's trough of westerly wave continues to persist 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) Another Monsoon Low pressure area has developed over southeast Odisha.
- e) Weak Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR 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, Khyber Pakhtunkhwa, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal, Multan, Bahawalpur, Sukkur and Mirpur Khas divisions.

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Karachi, Hyderabad, Larkana, Shaheed Benazirabad, Zhob, Loralai, Sibbi, Nasirabad, Kalat, Makran and DG Khan divisions.**

IV: WEATHER Outlook For Next 48-HOURS:

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

V: RIVERS CATCHMENTS RAINFALL RECORDED >05 (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Kakul=66, Thatta=63, Islamabad(Zeropoint=54, Shamsabad=48, Saidpur=42, Chaklala (Airbase) & Golra=38(each), New Airport=29, Chaklala (Katcheri)=19, Bokra=16), Phulra=54, Shinkhari=46, Oghi=43, Hyderabad(City=54 & Airport=34), Rahim Yar Khan=34, Dir=33, Tando Jam=32, Hunza=30, Astore=28, Badin=24, Mithi=22, Jacobabad=20, Murree=19, Skardu, Darashoot & Arandu Nullah=16(each), Shishi Darosh=15, Khawagoobo Bridge=13, Attock=12, Sakrand & Mirkhani=10(each), Bunji & Kamra (Airbase)=09(each), Dadu & Partab Bridge=08(each), Shaheed Benazirabad, Khanpur, Parachinar & Drosh=07(each).
Jhelum:	Mangla=147, Domel=140, Mandibahauddin=98, Muzaffarabad (Airport=80 & City=69), Jhelum=76, Balakot=45, Palandri=37, Kotli=34, Bandi Abbaspur=33, Sargodha (City=31 & Airbase=30), Rawalakot=28, Garhi Dopatta & Chakothi=26(each), Chattar Kallas & Kallar=24(each), Dhulli=20, Chakwal=12, Sharda=06.
Chenab:	Hafizabad=78, Multan (Chungi No.09=63, Shuja Abad=51, Kirri Jamandan=29, Airport=16 & City=15), Sialkot (Airport=48 & Cantt=33), Gujrat=35, Gujranwala (Liqat Bagh=104, Model Town=92, Peoples Colony=57, Sheranwala Bagh=45, City=30), Marala=11, Jhang=04,
Ravi:	Faisalabad (Gulam Muhammad Abad=87, City=64, Madina Town=57, Gulistan Colony=48, Allama Iqbal Colony=42, Dogar Basti=36), T.T. Singh=39, Lahore [Township=34, Airport=32, Shahdara=24, Jail Road=23, Iqbal Town & Gulshan-e-Ravi & Shahi Qilla=20(each), Qurtba chowk=19, Upper Mall & Luckshami=18(each), Misri Shah=16, Gulburg=15, Samanabad=13, Johar Town=07].
Sutlej:	Kasur=22.
Others:	Loralai=58, Karachi [Gulshan-e-Hadeed=35, Surjani Town=30, Airport=29, Quaidabad=25, Korangi & Jinnah Terminal=16(each), University Road=15, Faisal Base=13, Gadap Town=12, Kemari=10, Gulshan-e-Maymar=09(each), North Karachi & DHA=08(each), Nazimabad=07, Orangi Town & Masroor=06(each)], Ziarat=28, Sibbi=26, Khuzdar=17, Muslim Bagh=06.

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(Shahid Abbas)
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BULLETIN No. B-077/24

Dated: - 30th 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-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1219.10
			Max Conservation:	1242.00
			Live Storage	76.10%

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	190.0	155.5	180-200	Below Low	832.0 (2010)	350.0
	Kalabagh	950	204.9	201.3	220-250	-do-	950.0 (1942)	401.7
	Chashma	950	247.6	224.9	240-250	-do-	1038.9 (2010)	432.7
	Taunsa	1100	216.3	199.3	220-255	Low	960.0 (2010)	442.2
	Guddu	1200	193.0	188.0	180-195	Below Low	1199.7 (1976)	431.3
	Sukkur	1500	231.9	226.3	200-230	Low	1166.6 (1986)	401.1
	Kotri	875	334.3	333.0	335-340	Medium	980.3 (1956)	334.3
KABUL	Nowshera	-	32.0	32.0	30-50	Below Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	176.0	8.0	30-60	-do-	1090.0 (1992)	176.0
	Rasul	850	5.7	5.3	10-30	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	51.5	22.2	50-80	-do-	1100.0 (1957)	178.8
	Khanki	1100	36.6	29.6	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	26.5	8.5	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	30.5	19.3	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	55.5	50.3	-do-	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	7.1	7.1	7-20	-do-	680.0 (1955)	40.4
	Shahdara	250	19.5	19.5	No Sig. change	-do-	576.0 (1988)	28.0
	Balloki	225	50.6	28.9	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	26.7	21.2	-do-	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	15.7	10.5	-do-	-do-	598.9 (1955)	46.2
	Islam	300	5.9	5.0	-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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BULLETIN No. C-077/24

Dated: 30th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (31st-August, 2024 to 06th-September, 2024)

➤ **RAINFALL OUTLOOK:**

Wet spell is likely to decrease over the most part of the country. However scattered rainfall of moderate intensity with isolated heavy falls is likely to continue.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

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

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Note: This forecast is updated on daily basis.