

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

BULLETIN No. A-054/24

**Dated: 07th 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 Chashma and Taunsa is in Medium flood level while river Indus at Tarbela, Kalabagh, Guddu and Sukker and river Kabul at Nowshera are in Low flood level.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Westerly Wave, over northern parts of the country, today lies over Kashmir and adjoining areas and is likely to move away eastwards.
- b) Yesterday's **well-marked Low** over northwest Rajasthan and adjoining Pakistan has remained stationary and weakened into low.
- c) A fresh upper air cyclonic circulation has developed over Gangetic West Bengal.
- d) Moderate moist currents are penetrating the upper parts of the country from the Arabian Sea up to 5000 feet.
- e) 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 DURING NEXT 48-HOURS:

No significant change.

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

Indus:	Kakul=73, Pashat-Bajaur=37, Islamabad [Saidpur=19, Chaklala Airbase, New Airport & Zeropoint=Trace(each)], Bosak Bidge=18, Cherat=16, Khawagoobo Bridge=15, Phulra=14, Murree=13, Khanpur & Ghalanai=11(each), Khaar-Bajaur=10, Shinkiari=08, Lower Dir=06, Daggar=03, Mardan & Buner=02(each), Jacobabad & Landi Kotal=Trace(each).
Jhelum:	Kotli=123, Domel=64, Balakot=42, Bandi Abbaspur=32, Palandri=27, Muzaffarabad (City=18 & Airport=11), Chakwal=17, Garhi Dopatta=11, Mangla & Jhelum=07(each), Rawalakot & Chhattar Kallas=06(each), Chakothi=02, Tandali=01, Mandibahauddin=Trace.
Chenab:	Sialkot (Airport=21 & Cantt=08), Gujrat=16, Barnala=07, Marala=04, Hafizabad=01, Noorpur Thal=Trace.
Ravi:	-Nil-
Sutlej:	-do-
Others:	Muslim Bagh=26, Quetta (Sheikh Manda=23 & Samungli=21), Loralai=12, Kalat=06, Ziarat=04, Karachi [North Karachi=04, Surjani Town=03, Gulshan-e-Maymar=02, Jinnah Terminal, Airport, Orange Town, Met Complex, University Road, Faisal Base, Kemari & Masroor=Trace(each)], Khuzdar=03, Lasbela=01.

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(Shahid Abbas)
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FFD Lahore

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Dated: - 07th August, 2024

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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 Current: 1538.00 Max. Conservation: 1550.00 Live Storage 87.1% MANGLA Current: 1206.80 Max Conservation: 1242.00 Live Storage 63.8%	
JHELMUM	-do-	-do- (Sargodha Division)		
CHENAB	-do-	-do- (Gujranwala Division)		
RAVI	-do-	-do- (Lahore Division)		
SUTLEJ	-do-	-do- (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	328.0	317.0	325-335	Low	832.0 (2010)	348.0
	Kalabagh	950	331.9	323.9	340-370	-do-	950.0 (1942)	381.8
	Chashma	950	409.6	394.3	380-410	Medium	1038.9 (2010)	428.8
	Taunsa	1100	410.1	410.1	400-410	-do-	960.0 (2010)	411.3
	Guddu	1200	312.4	306.2	330 -370	Low-Medium	1199.7 (1976)	312.4
	Sukkur	1500	236.6	218.1	240-270	Low	1166.6 (1986)	236.6
	Kotri	875	124.3	87.8	130-160	Below Low	980.3 (1956)	124.3
KABUL	Nowshera	-	78.1	78.1	70-80	Low	391.3 (1990)	114.2
JHELMUM	Mangla	1060	40.0	10.0	40-70	Below Low	1090.0 (1992)	114.6
	Rasul	850	8.2	5.3	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	88.1	60.0	90-130	Low	1100.0 (1957)	136.5
	Khanki	1100	85.1	76.8	90-120	-do-	1086.5 (1959)	95.1
	Qadirabad	807	68.1	50.1	70-100	-do-	948.5 (1992)	93.1
	Trimmu	645	63.7	48.2	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjnad	700	37.9	26.5	-do-	-do-	802.5 (1973)	37.9
RAVI	Jassar	275	8.8	8.8	5-10	-do-	680.0 (1955)	26.8
	Shahdara	250	16.2	16.2	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	44.9	16.3	40-45	Low	389.8 (1988)	51.7
	Sidhnai	150	32.3	17.8	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	18.5	5.9	-do-	-do-	598.9 (1955)	46.2
	Islam	300	9.5	7.5	-do-	-do-	492.6 (1955)	9.5

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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(Shahid Abbas)
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BULLETIN No. C-054/24

Dated: 07th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (08th-August, 2024 to 14th-August, 2024)

➤ **RAINFALL OUTLOOK:**

A fresh spell of scattered to widespread rainfall of moderate to heavy intensity with isolated very heavy falls is likely to start from 10th August.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High Flood is expected.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore