

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

BULLETIN No. A-069/24

**Dated: 22nd 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 Guddu and Sukkur is at **medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa, Kotri and River Kabul at Nowshera are at Low flood level.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Westerly Wave over Northeast Afghanistan today lies over Northern parts of country.
- b) Light moist currents are penetrating the upper parts of the country from the Arabian Sea and extending up to 3,000 feet.
- c) Yesterday's Low pressure area over North Bay of Bengal and adjoining Bangladesh remained stationary.
- d) Another Low pressure area lies over central Uttar Pradesh.
- e) Seasonal Low lies over west Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Isolated Thunderstorm rain of moderate intensity is expected over the upper catchments of all the major rivers, Khyber Pakhtunkhwa & Islamabad along with Rawalpindi, Sargodha, Gujranwala, Lahore, DG Khan, Zhob and Kalat Divisions.

IV: WEATHER FOR NEXT 48-HOURS:

No significant change.

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

Indus:	Parachinar=11, Kalam=06, Khawagoobo Bridge & Daggar=05(each), Besham=04, Phulra, Chitral & Mirkhani=02(each), Oghi, Darashoot & Pattan=01(each), Islamabad Zero point, Chowni Bridge Citral, Shishi Dsrosh, Bosak Bidge, Arandu Nullah, Bhakkar, Gilgit & Larkana=Trace(each).
Jhelum:	Mangla=30, Bandi Abbaspur=17, Kotli=14, Palandri=13, Rawalakot=09, Kallar=08, Balakot & Baba Shah Jalal=02(each), Tandali, Chakothi, Jhelum & Muzaffarabad City=01(each) & Joharabad=Trace.
Chenab:	Hafizabad=14, Sialkot (Airport=13 & Cantt=10), Shorkot (Airbase)=12, Multan= (Airport=08 & City=01), Marala & Jhang=05 & Gujrat=03.
Ravi:	Sahiwal=38, Narowal, Okara, Khanewal & T.T. Singh=01(each).
Sutlej:	Kasur=02.
Others:	Khuzdar=18.

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**(Shahid Abbas)
Chief Meteorologist
FFD Lahore**

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Dated: - 22nd 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	Isolated thunderstorm rain	Isolated thunderstorm rain (Rawalpindi Division)	TARBELA Current: 1550.00 Max. Conservation: 1550.00 Live Storage 100.0% MANGLA Current: 1215.25 Max Conservation: 1242.00 Live Storage 71.9%	
JHELUM	-do-	-do- (Sargodha Division)		
CHENAB	-do-	-do- (Gujranwala Division)		
RAVI	-do-	-do- (Lahore Division)		
SUTLEJ	-do-	Mainly dry (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	257.0	256.3	210-240	Below Low	832.0 (2010)	350.0
	Kalabagh	950	321.4	315.1	300-320	Low	950.0 (1942)	401.7
	Chashma	950	347.5	329.0	300-330	-do-	1038.9 (2010)	432.7
	Taunsa	1100	344.4	332.4	320-350	-do-	960.0 (2010)	442.2
	Guddu	1200	416.5	405.4	395-420	Medium	1199.7 (1976)	431.3
	Sukkur	1500	395.7	377.2	395-410	-do-	1166.6 (1986)	395.7
	Kotri	875	254.4	216.5	255-270	Low	980.3 (1956)	254.4
KABUL	Nowshera	-	63.8	63.8	50-60	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	35.0	8.0	25-40	Below Low	1090.0 (1992)	114.6
	Rasul	850	7.8	5.3	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	63.3	38.3	60-70	-do-	1100.0 (1957)	178.8
	Khanki	1100	60.2	52.3	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	58.2	40.2	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	70.8	60.7	60-70	-do-	944.0 (1928)	96.3
	Punjad	700	65.4	57.4	65-80	-do-	802.5 (1973)	65.4
RAVI	Jassar	275	6.4	6.4	No Sig. change	-do-	680.0 (1955)	40.4
	Shahdara	250	17.8	17.8	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	46.1	18.5	40-45	Low	389.8 (1988)	56.3
	Sidhnai	150	29.7	18.2	No Sig. change	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	18.5	7.4	-do-	-do-	598.9 (1955)	46.2
	Islam	300	12.5	11.1	-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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(Shahid Abbas)
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BULLETIN No. C-069/24

Dated: 22nd August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (23rd -August, 2024 to 29th -August, 2024)

➤ **RAINFALL OUTLOOK:**

Moderate rainfall activity with isolated heavy falls is likely to continue.

Monsoon activity is likely to increase **Significantly** over **Lower half** of the country from 26th onward.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant increase is expected in the flows of any of the major rivers until 26th August. **However,** from August 27th and onwards, flows may rise in the major rivers, their tributaries, as well as in the hill torrents and nullahs across the country.

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(Shahid Abbas)
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Note: This forecast is updated on daily basis.