

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

BULLETIN No. A-067/24

**Dated: 20th 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 Taunsa, Guddu and Sukkur are at **medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma and River Kabul at Nowshera are at Low flood level.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Westerly Wave continues to persist over Northeast Afghanistan and adjoining Pakistan.
- b) Light to moderate moist currents are penetrating the upper parts of the country from the Arabian Sea and extending up to 5,000 feet.
- c) Yesterday's well-marked low-pressure area over North Bay of Bengal and adjoining Bangladesh has remained stationary and weakened into low.
- d) Seasonal Low lies over northwest 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, 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: Ghalanai=55, Islamabad[Shamsabad=35, Zerpoint=28, Golra=18, Chaklala (Airbase)=15, Kacheri=07, Bosak bridge =04, Saidpur & Bokra=01(each), New Airport=Trace], Besham=16, Murree & Kakul=15(each), Kamra (Airbase)=11, Bannu=10, Parachinar & Kalam=04(each), Pattan=03, Rohri, Khairpur, Shaheed Benazirabad & Astore=02(each), Sukkur, Buner, Dir & Risalpur=01(each), Bagrote, Arandu Nullah, Darashoot, Warsak Dam, Lower Dir, Bunji & Gilgit=Trace(each)

Jhelum: Jhelum=42, Rawalakot=13, Garhi Dopatta=07, Kotli=05, Muzaffarabad (City)=02, Panjera & Tandali=01(each), Mangla=Trace.

Chenab: Barnala=20, Marala=08, Sialkot (Cantt)=07, Shorkot (Airbase)=Trace.

Ravi: Lahore [Luckshami=55, Shahi Qilla=53, Gulshan e Ravi=51, Upper Mall & Qurtba chock=50(each), Gulburg=49, Township=48, Samanabad=47, Taj Pura=46, Iqbal Town=42, City=29, Misri Shah=29, Shahdara & Mughal Pura=25(each), Airport=08, Johar Town=01], Narowal=20, Zafarwal=05.

Sutlej: Kasur=Trace & Phulra=Trace.

Others: Kalat=01, Panjgur=04, Lasbela=03, Karachi Airport=Trace.

**(Shahid Abbas)
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FFD Lahore**

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Dated: - 20th 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	99.3%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1214.00
			Max Conservation:	1242.00
			Live Storage	70.6%

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	265.0	256.5	240-270	Low	832.0 (2010)	350.0
	Kalabagh	950	319.5	313.7	300-320	-do-	950.0 (1942)	401.7
	Chashma	950	306.9	289.9	300-310	-do-	1038.9 (2010)	432.7
	Taunsa	1100	394.9	384.9	390-410	Medium	960.0 (2010)	442.2
	Guddu	1200	394.0	394.0	395-430	-do-	1199.7 (1976)	431.3
	Sukkur	1500	384.8	371.0	380-400	-do-	1166.6 (1986)	393.0
	Kotri	875	231.1	194.8	230-240	Low	980.3 (1956)	221.1
KABUL	Nowshera	-	61.2	61.2	50-70	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	18.0	10.0	20-50	Below Low	1090.0 (1992)	114.6
	Rasul	850	2.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	74.0	49.0	70-100	Low	1100.0 (1957)	178.8
	Khanki	1100	49.9	41.9	50-80	Below Low	1086.5 (1959)	177.1
	Qadirabad	807	48.1	30.1	50-70	-do-	948.5 (1992)	163.2
	Trimmu	645	91.5	81.9	80-90	-do-	944.0 (1928)	78.8
	Punjad	700	62.2	56.2	No Sig. change	-do-	802.5 (1973)	57.9
RAVI	Jassar	275	5.5	5.5	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	17.8	17.8	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	47.2	19.2	45-50	Low	389.8 (1988)	56.1
	Sidhnai	150	28.8	19.9	25-35	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	1.0	1.0	No Sig. change	Below Low	837.0 (1955)	19.7
	Sulemanki	325	17.3	9.8	-do-	-do-	598.9 (1955)	46.2
	Islam	300	9.1	8.3	-do-	-do-	492.6 (1955)	10.6

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-067/24

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

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (21st -August, 2024 to 27th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Moderate rainfall activity with isolated heavy falls is likely to continue up to 25th August.

Monsoon activity is likely to **Significantly** enhance over 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.**

Note: This forecast is updated on daily basis.

(Shahid Abbas)
Chief Meteorologist
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