



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

BULLETIN No. A-062/24

**Dated: 15th 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 is in **Medium** flood level, while at Tarbela, Kalabagh, Chashma, Taunsa and Sukkur is in Low flood level.

During 15th to 17th August:

Medium to High level flows are expected in river Jhelum at Mangla Upstream and river Chenab at Marala, Khanki and Qadirabad along with Nullahs in the catchments of rivers Chenab and Ravi. **Low to Medium** level flows are expected in river Kabul at Nowshera and in river Indus at Tarbela along with hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions.

II: METEOROLOGICAL FEATURES:

- a) Yesterday's trough of Strong Westerly Wave over northern parts of Iran today lies over Northeastern parts of Iran and adjoining Afghanistan. It is likely to affect the upper catchments of all the major rivers from today.
- b) A Jet stream lies over Northern parts of Iran with wind speeds of more than 100 knots at core.
- c) Yesterday's upper air cyclonic circulation over Northeast Rajasthan remained stationary.
- d) Moderate moist currents are penetrating the most parts of the country from Arabian Sea up to 5000 feet.
- e) Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered thunderstorm rain of moderate intensity with isolated **HEAVY** falls is expected over Faisalabad, Sahiwal, Multan, Bahawalpur, Zhob, Nasirabad, Sibbi and Kalat divisions along with Sindh.

Alert: Widespread Thunderstorm rain of **MODERATE to HEAVY** intensity with Isolated **VERY HEAVY** falls is expected over the upper catchments of rivers Indus, Kabul and Jhelum along with Islamabad, Khyber Pakhtunkhwa & Rawalpindi and Gujranwala divisions. Scattered to widespread thunderstorm rain of moderate intensity with isolated **HEAVY** to **VERY HEAVY** falls is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Sargodha, Lahore and DG Khan divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Wet spell is likely to continue.

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

Indus:	Kakul=17, Barkhan=03, Bhandu Wala, Buner & Murree=01(each), Tanda Dam=Trace.
Jhelum:	Kotli=42, Jhelum=30, Mangla=25, Panjera=15, Bandi Abbaspur=01, Tandali, Mandibahauddin & Talhatta=Trace(each).
Chenab:	Sialkot (Airport=19 & Cantt=07), Barnala & Gujranwala=19(each), Marala=11, Gujrat=03.
Ravi:	Lahore (Airport)=05, Narowal=01.
Sutlej:	Kasur=03.
Others:	Ziarat=01, Karachi (Airport) =Trace.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore



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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	Widespread thunderstorm rain	Widespread thunderstorm rain (Rawalpindi Division)	TARBELA	
JHELMUM	-do-	Scattered to widespread thunderstorm rain (Sargodha Division)	Current:	1548.00
CHENAB	Scattered to widespread thunderstorm rain	Widespread thunderstorm rain (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	Scattered to widespread thunderstorm rain (Lahore Division)	Live Storage	98.0%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1211.25
			Max Conservation:	1242.00
			Live Storage	68.5%

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	285.0	255.3	300-330	Low	832.0 (2010)	350.0
	Kalabagh	950	304.4	296.4	290-310	-do-	950.0 (1942)	401.7
	Chashma	950	315.4	300.9	310-330	-do-	1038.9 (2010)	432.7
	Taunsa	1100	366.4	339.4	345-380	-do-	960.0 (2010)	442.2
	Guddu	1200	388.0	357.4	380 F 300	Medium to Low	1199.7 (1976)	431.3
	Sukkur	1500	389.8	346.6	370-390	Medium	1166.6 (1986)	393.0
	Kotri	875	195.3	156.0	200-210	Low	980.3 (1956)	195.4
KABUL	Nowshera	-	55.8	55.8	55-90	-do-	391.3 (1990)	114.2
JHELMUM	Mangla	1060	22.0	10.0	60-80 Sharp peak of Medium to High	-do-	1090.0 (1992)	114.6
	Rasul	850	4.0	0.0	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	81.5	64.1	150 R 250	Medium to High	1100.0 (1957)	136.5
	Khanki	1100	73.0	64.9	150 R 250	-do-	1086.5 (1959)	102.4
	Qadirabad	807	61.1	43.1	150 R 250	-do-	948.5 (1992)	101.6
	Trimmu	645	75.6	62.2	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjinad	700	48.6	35.8	-do-	-do-	802.5 (1973)	48.8
RAVI	Jassar	275	8.8	8.8	30-50	Low	680.0 (1955)	33.9
	Shahdara	250	12.1	12.1	10-15	Below Low	576.0 (1988)	24.8
	Balloki	225	48.4	19.7	40-50	Low	389.8 (1988)	53.1
	Sidhnai	150	21.4	7.8	No Sig. change	Below Low	330.2 (1988)	32.3
SUTLEJ	G.S. Wala	--	3.6	3.6	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	23.8	12.6	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.3	5.0	-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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BULLETIN No. C-062/24

Dated: 15th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (16th-August, 2024 to 22nd-August, 2024)

➤ **RAINFALL OUTLOOK:**

Monsoon activity of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls is expected over the upper catchments of all the major rivers.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Medium to High level flows are expected in river Jhelum at Mangla Upstream and river Chenab at Marala, Khanki and Qadirabad along with Nullahs in the catchments of rivers Chenab and Ravi. Low to Medium level flows are expected in river Kabul at Nowshera and in river Indus at Tarbela along with hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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