

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

BULLETIN No. A-079/24

**Dated: 01st September, 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 (DG'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 at **medium** flood level, while all the other major rivers are flowing in normal state. Flows may rise in river Indus at Tarbela and Mangla upstream.

II: METEOROLOGICAL FEATURES:

- a) Cyclonic Storm (CS) "ASNA" today lies in Arabian Sea approx. 240 km south of Gwadar and is likely to become insignificant for the country.
- b) Yesterday's trough of westerly wave over northeast Iran today lies over northern parts of Afghanistan.
- c) Light moist currents from the Bay of Bengal are penetrating the upper parts of the country. However, it will become moderate during next two days.
- d) Yesterday's **well-marked** low over southeast Odisha today lies over south Odisha and adjoining Andhra Pradesh.
- e) Weak Seasonal Low lies over north Balochistan.

III: WEATHER FORECAST FOR 24-HOURS:

Scattered thunderstorm rain is expected over the upper catchments of river Kabul along with Peshawar, Kohat, Bannu, Zhob and Makran Division. Isolated thunderstorm rain of moderate intensity is expected over the upper catchments of all the other major rivers.

IV: WEATHER Outlook FOR NEXT 48-HOURS:

A fresh spell of moderate **rainfall**, with isolated **Heavy showers**, is expected over the upper catchments of all the major rivers along with Islamabad, Khyber Pakhtunkhwa and Punjab.

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

Indus:	Thatta=20, Kalam & Jacobabad=03(each), Arandu Nullah=01, D.G khan (fort Munro), Gilgit & Skardu=Trace(each).
Jhelum:	Panjera=01.
Chenab:	-Nil-
Ravi:	-do-
Sutlej:	-do-
Others:	Ormara=12, Karachi [Korangi=07, Faisal Base=04, Kemari=03, DHA=02 Masroor, Nazimabad, Gulshan-e-Hadeed & Saddar=01(each), Airport, Jinnah Terminal, University Road, North Karachi, Orange Town, Quaidabad & Gulshan-e-Maymar=Trace(each)], Pasni=06, Gawadar=03, Quetta (Samungli) & Jiwani=01(each), Dalbandin=Trace.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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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	Isolated thunderstorm rain	Mainly dry (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:	1222.05
			Max Conservation:	1242.00
			Live Storage	79.04%

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	180.0	155.5	160-180	Below Low	832.0 (2010)	350.0
	Kalabagh	950	206.4	202.1	230-255	Low	950.0 (1942)	401.7
	Chashma	950	273.7	250.5	250-270	-do-	1038.9 (2010)	432.7
	Taunsa	1100	212.3	192.3	210-240	Below Low	960.0 (2010)	442.2
	Guddu	1200	211.5	197.4	220-260	Low	1199.7 (1976)	431.3
	Sukkur	1500	182.3	170.7	No Sig. change	Below Low	1166.6 (1986)	401.1
	Kotri	875	337.2	335.6	330-340	Medium	980.3 (1956)	337.2
KABUL	Nowshera	-	32.1	32.1	No Sig. change	Below Low	391.3 (1990)	114.2
JHELUM	Manala	1060	52.0	8.0	30-50	-do-	1090.0 (1992)	176.0
	Rasul	850	9.3	8.0	No Sig. change	-do-	952.2 (1992)	67.8
CHENAB	Marala	1100	51.9	22.2	50-70	-do-	1100.0 (1957)	178.8
	Khanki	1100	52.7	45.8	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	61.6	43.6	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	37.1	27.1	40-50	-do-	944.0 (1928)	96.3
	Punjnad	700	50.3	42.8	No Sig. change	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	5.0	5.0	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	17.0	17.0	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	50.1	26.6	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	30.1	21.8	-do-	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	15.8	8.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	9.4	8.3	-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)
Chief Meteorologist
FFD Lahore

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BULLETIN No. C-079/24

Dated: 01st September, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (02nd- September, 2024 to 08th -September, 2024)

➤ **RAINFALL OUTLOOK:**

A fresh spell of moderate rainfall, with isolated Heavy showers, is expected over the upper catchments of all the major rivers along with Islamabad, Khyber Pakhtunkhwa and Punjab up to 3rd September.
Monsoon activity is expected to remain subdued afterward.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No significant increase is expected in any of the major rivers.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

Note: This forecast is updated on daily basis.