

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

BULLETIN No. A-058/24

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

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| 1. President Secretariat, Islamabad. | 14. PDMA'S (D.G's All Provinces & AJK). |
| 2. PM House, Islamabad. | 15. Chairman, Federal Flood Commission, Islamabad. |
| 3. Federal Minister for Water Resources, Islamabad. | 16. Chairman, Indus River System Authority, Islamabad. |
| 4. Governor (All Provinces). | 17. Chairman, PCRWR, Islamabad. |
| 5. Chairman NDMA, Islamabad. | 18. The Secretary General, Red Crescent, Islamabad. |
| 6. Chief Minister (All Provinces). | 19. Secretary, Irrigation Department, (All Provinces). |
| 7. PM Secretariat, Islamabad. | 20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi. |
| 8. Secretary, Aviation Division, Islamabad. | 21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad. |
| 9. Secretary, Ministry for Water Resources, Islamabad. | 22. Chief Engineer, Mangla/Tarbela/Chashma. |
| 10. Secretary, Ministry of Information, Islamabad. | 23. Chief Engineer, Irrigation (All Provinces). |
| 11. Secretary, Climate change, Islamabad. | 24. Chief Engineer, (All Barrages). |
| 12. Chairman NHA, Islamabad. | 25. Chief Engineer, C.D.O. (Muzaffarabad). |
| 13. Chief Secretary (All Provinces). | 26. All other concerned. |

SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:

I: HYDROLOGICAL SITUATION at 0600 PST:

River Indus at Taunsa and Guddu is in **Medium** flood level while river Indus at Tarbela, Kalabagh, Sukkur and river Kabul at Nowshera are in Low flood level.

During next 24 hours:

Medium level flows are expected in river Chenab at Marala, Khanki and Qadirabad. **Medium** to **High** level flows are expected in Nullahs of Chenab and Ravi catchments. Low to Medium level flows are also expected in the hill torrents of DG Khan division.

II: METEOROLOGICAL FEATURES:

- Yesterday's trough of Westerly Wave over northern parts of Afghanistan today lies over northern parts of the country.
- Yesterday's upper air cyclonic circulation over central Jharkhand today lies over south Uttar Pradesh.
- Active monsoon trough extends from Bay of Bengal to northeast Punjab.
- Moderate to strong moist currents are penetrating the upper parts of the country from Arabian Sea and Bay of Bengal up to 5000 feet.
- Seasonal Low lies over northeast Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to widespread thunderstorm rain of **MODERATE TO HEAVY** intensity with isolated **VERY HEAVY FALLS** is expected over the upper catchments of all the major rivers along with Islamabad. Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over Peshawar, Kohat, Bannu, DI Khan, Rawalpindi, Sargodha, Gujranwala, Lahore, Bahawalpur and DG Khan divisions. Isolated thunderstorm rain of moderate intensity is expected over Zhob, Sibbi, Nasirabad, and Kalat divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

Monsoon activity is likely to decrease.

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

Indus:	Islamabad=(Zeropoint=115, PMD HQ=113, Chaklala Airbase=85, Shamsabad=55, Golra=40, Bokra=35, New Airport=29, Chaklala Katcheri =27 & Saidpur=16), Shinkari=72, Malam Jabba=68, Kakul=49, Tarbela=44, Takht Bai=42, Oghi=25, Attock=24, Peshawar (Airport=22, Bacha Khan Airport=15 & City=14), Phulra=15, Risalpur=13, Murree=11, Daggar & Astore=09(each), Cherat=07, Bagrote=06, Barkhan=05, Bunji & Besham=03(each), Chilas=02, Mardan, Kabul, Dratian, Skardu, Khaar-Bajaur & D.G Khan Fort Munro= Trace (each)
Jhelum:	Domel=53, Mandibahauddin=27, Kallar=25, Mangla & Panjera=22(each), Bandi Abbaspur & Kotli=21(each), Chattr Kallas & Rawalakot=14(each), Dhulli=12, Muzaffarabad (Airport=11 & City=10), Jhelum=11, Baba Shah Jalal=10, Garhi Dopatta=08, Balakot=05, Chakwal=04, Palandri=03, Chakothi=01, Tandali=Trace.
Chenab:	Gujrat=36, Sialkot (Cantt=35 & Airport=25), Gujranwala (City=35, Liqat Bagh=30, Peoples Colony=25, Sheranwala Bagh=20 & Model Town=19), Barnala=10, Shorkot (Airbase) & Marala=08, Hafizabad=03.
Ravi:	Lahore [Shahdara=133, Luckshami=123, Shahi Qilla=104, Qurtba chock=83, Airport=77, Misri Shah=72, Upper Mall=69, Gulshan e Ravi=68, Samanabad=65, City=53, Mughal Pura=52, Iqbal Town=48, Taj Pura=47, Gulburg=33, Township=22 & Johar Town=15], Narowal=83, Sheikhupura=15 & Zafarwal=12.
Sutlej:	Kasur=Trace.
Others:	Panjgur=22, Lasbela=Trace, Karachi [Kemari=05, Jinnah Terminal & University Road=02 (each), Airport, Masroor & Faisal Base=01(each), DHA, Gulshan e Maymar & Quaidabad=Trace(each).

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(Shahid Abbas)
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FFD Lahore

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Dated: - 11th 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) TARBELA Current: 1544.00 Max. Conservation: 1550.00 Live Storage 94.0% MANGLA Current: 1209.35 Max Conservation: 1242.00 Live Storage 66.8%
INDUS	Scattered to widespread thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)	
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	270.0	252.8	270-300	Low	832.0 (2010)	350.0
	Kalabagh	950	260.3	252.3	270-310	-do-	950.0 (1942)	401.7
	Chashma	950	252.8	232.3	270-300	-do-	1038.9 (2010)	432.7
	Taunsa	1100	442.2	435.2	410-440	Medium	960.0 (2010)	442.2
	Guddu	1200	422.0	401.2	425 -440	-do-	1199.7 (1976)	422.0
	Sukkur	1500	355.6	315.9	360-380	-do-	1166.6 (1986)	355.6
	Kotri	875	167.0	126.4	170-180	Below Low	980.3 (1956)	167.0
KABUL	Nowshera	-	67.0	67.0	65-85	Low	391.3 (1990)	114.2
JHELMUM	Mangla	1060	45.0	10.0	40-70	Below Low	1090.0 (1992)	114.6
	Rasul	850	2.9	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	90.0	72.5	110 R 170	Low to Medium	1100.0 (1957)	136.5
	Khanki	1100	73.8	65.6	90 R 170	-do-	1086.5 (1959)	100.7
	Qadirabad	807	59.1	41.1	80 R 140	Low	948.5 (1992)	93.1
	Trimmu	645	63.3	47.9	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjnad	700	47.5	35.8	-do-	-do-	802.5 (1973)	48.8
RAVI	Jassar	275	4.7	4.7	15-30	-do-	680.0 (1955)	26.8
	Shahdara	250	11.2	11.2	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	42.0	13.4	40-45	Low	389.8 (1988)	51.7
	Sidhnai	150	25.6	10.9	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	18.9	5.7	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.4	4.3	-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-058/24

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

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (12th-August, 2024 to 18th-August, 2024)

➤ **RAINFALL OUTLOOK:**

Scattered thunderstorm rain of MODERATE intensity with Isolated HEAVY FALLS is likely to continue.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows may rise in the all major rivers and Nullahs of Ravi and Chenab from 14th to 16th August.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
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