

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

**BULLETIN No. A-048/24**

**Dated: - 01<sup>st</sup> August, 2024**  
**Time: - 11:30 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 Kalabagh & Chashma and River Kabul at Nowshera are in low flood level, while all the other major rivers are flowing below Low flood level.

**Alert:** During next 4 days, **Medium to High level** flood is expected in rivers **Jhelum Upstream Mangla, Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and **Chenab** catchments. **Medium to High level Flash Flooding** is expected in hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat divisions.

Low to Medium level flows are expected in River Indus at Tarbela.

**II: METEOROLOGICAL FEATURES:**

- Yesterday's trough of westerly wave over Kashmir has moved away eastwards and a fresh trough of **Strong Westerly Wave** lies over northern parts of Iran and adjoining areas.
- Yesterday's **Low-Pressure Area** over northwest Uttar Pradesh has moved slightly westwards and today lies over East Haryana.
- Yesterday's upper air circulation over west Bengal persists.
- Moderate to strong moist currents are penetrating upper parts of the country from the Arabian Sea and Bay of Bengal up to 5000 feet.
- Well-marked Seasonal low lies over northeast Balochistan with central pressure below 992 hPa.

**III: WEATHER FORECAST FOR NEXT 24-HOURS:**

**Alert:** Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of rivers Sutlej, Ravi & Chenab along with Gujranwala and Lahore Divisions. Scattered to Widespread thunderstorm rain of moderate to heavy intensity with isolated very heavy falls is expected over the upper catchments of rivers Indus, Kabul & Jhelum along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Multan, DG Khan, Bahawalpur, Sahiwal and Faisalabad Divisions.

**IV: WEATHER OUTLOOK DURING NEXT 3-DAYS:**

**Alert:** Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of rivers Sutlej, Ravi & Chenab along with Gujranwala, Lahore and DG Khan Divisions; including Khyber Pakhtunkhwa and Balochistan. Scattered to Widespread thunderstorm rain of moderate to heavy intensity with isolated very heavy falls is expected over river Indus, Kabul & Jhelum along with Islamabad, Sindh & Rawalpindi, Sargodha, Multan, Bahawalpur, Sahiwal and Faisalabad Divisions.

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

Indus:	Islamabad [Bokra=28, Chaklala (Airbase) & Katcheri (Chaklala)=18(each), PMD Headquarters=Trace], Kakul=14, Mithi=03, Gupis=02, Arandu Nullah=01.
Jhelum:	Mangla=97, Kallar=53, Mandibahauddin=12, Jhelum=03, Kotli=01.
Chenab:	Gujranwala [City=123, Liaqat Bagh=118, Model Town=105, Sheranwala Bagh=81, Peoples Colony=71,], Hafizabad=23, Gujrat=17, Sialkot (Airport=12 & Cantt=07).
Ravi:	Lahore [Airport=337, Township=250, Shahi Qilla=226, Johar Town & Taj Pura=220(each), Qurtba chock=218, Shahdara=215, Gulshan e Ravi=210, Iqbal Town=205, Samanabad=203, Misri Shah=200, Luckshami=199, Upper Mall=194, Mughal Pura=180, Gulburg=150, City=118], Narowal=69, Sheikhpura=01, Faisalabad=Trace.
Sutlej:	Kasur=62.
Others:	Kalat=40, Karachi [ Gulshan e Maymar=12, Faisal Base=11, North Karachi=10, Korangi=09, Jinnah Terminal & Airport=06(each), Kemari, University Road & DHA=05(each), Surjani Town=03, Masroor=02, Nazimabad=01, Gulshan e Hadeed & Malir Halt=Trace(each)], Khuzdar=26, Dalbandin=04.

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

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**FLOOD FORECASTING DIVISION**  
**46-JAIL ROAD LAHORE-54000**

BULLETIN No. B-048/24

Dated: - 01<sup>st</sup> August, 2024  
Time: - 11:30 hours (PST)

**I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:**

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)	<b>RESERVOIRS LEVEL (FEET) at (0600 PST)</b>
INDUS	Scattered to Widespread thunderstorm rain	Scattered to Widespread thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b> Current: 1530.00 Max. Conservation: 1550.00 Live Storage 80.4% <b>MANGLA</b> Current: 1203.05 Max Conservation: 1242.00 Live Storage 61.1%
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	Widespread thunderstorm rain	Widespread thunderstorm rain (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Scattered to Widespread thunderstorm/rain (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	324.0	170.0	320-340	Low	832.0 (2010)	324.0
	Kalabagh	950	294.2	286.2	320-360	-do-	950.0 (1942)	294.2
	Chashma	950	303.6	283.7	320-360	-do-	1038.9 (2010)	303.6
	Taunsa	1100	221.5	194.8	No Sig. change	Below Low	960.0 (2010)	227.0
	Guddu	1200	177.6	143.0	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	128.0	79.1	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	75.6	36.8	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	86.9	86.9	70-85	Low	391.3 (1990)	105.5
JHELUM	Mangla	1060	45.0	10.0	50-80 <small>(Sharp peak of Medium level)</small>	Low	1090.0 (1992)	114.6
	Rasul	850	2.5	0.0	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	71.0	43.6	100 R 170	Low to Medium	1100.0 (1957)	98.9
	Khanki	1100	68.6	60.7	100 R 170	-do-	1086.5 (1959)	95.1
	Qadirabad	807	55.9	36.4	70-100	Low	948.5 (1992)	93.1
	Trimmu	645	45.6	30.1	No Sig. change	Below Low	944.0 (1928)	46.5
	Punjnad	700	21.0	7.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	5.5	5.5	5-20	-do-	680.0 (1955)	26.8
	Shahdara	250	14.1	14.1	No Sig. change	-do-	576.0 (1988)	24.8
	Balloki	225	41.8	12.8	40-50	Low	389.8 (1988)	48.3
	Sidhnai	150	21.2	6.6	No Sig. change	Below Low	330.2 (1988)	24.6
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	17.3	4.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.5	1.3	-do-	-do-	492.6 (1955)	8.6

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)  
Chief Meteorologist  
FFD Lahore

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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-048/24

Dated: 01<sup>st</sup> August, 2024  
Time: 11:30 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR**  
**RIVERS' CATCHMENTS' (02<sup>nd</sup>-August, 2024 to 08<sup>th</sup>-August,2024)**

➤ **RAINFALL OUTLOOK:**

**Alert:** Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of rivers Sutlej, Ravi & Chenab along with Gujranwala, Lahore and DG Khan Divisions; including Khyber Pakhtunkhwa and Balochistan. Scattered to Widespread thunderstorm rain of moderate to heavy intensity with isolated very heavy falls is expected over river Indus, Kabul & Jhelum along with Islamabad, Sindh & Rawalpindi, Sargodha, Multan, Bahawalpur, Sahiwal and Faisalabad Divisions.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

**Alert:** During next 4 days, **Medium to High level** flood is expected in rivers **Jhelum Upstream Mangla, Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and Chenab catchments. **Medium to High level Flash Flooding** is expected in hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat divisions.  
Low to Medium level flows are expected in River Indus at Tarbela.

**Note:** This forecast is updated on daily basis.

--sd/--  
(Shahid Abbas)  
Chief Meteorologist  
FFD Lahore