

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

**BULLETIN No. A-065/24**

**Dated: 18<sup>th</sup> August, 2024  
Time: 11:20 hours (PST)**

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| <ol style="list-style-type: none"><li>1. President Secretariat, Islamabad.</li><li>2. PM House, Islamabad.</li><li>3. Federal Minister for Water Resources, Islamabad.</li><li>4. Governor (All Provinces).</li><li>5. Chairman NDMA, Islamabad.</li><li>6. Chief Minister (All Provinces).</li><li>7. PM Secretariat, Islamabad.</li><li>8. Secretary, Aviation Division, Islamabad.</li><li>9. Secretary, Ministry for Water Resources, Islamabad.</li><li>10. Secretary, Ministry of Information, Islamabad.</li><li>11. Secretary, Climate change, Islamabad.</li><li>12. Chairman NHA, Islamabad.</li><li>13. Chief Secretary (All Provinces).</li></ol> | <ol style="list-style-type: none"><li>14. PDMA'S (D.G's All Provinces &amp; AJK).</li><li>15. Chairman, Federal Flood Commission, Islamabad.</li><li>16. Chairman, Indus River System Authority, Islamabad.</li><li>17. Chairman, PCRWR, Islamabad.</li><li>18. The Secretary General, Red Crescent, Islamabad.</li><li>19. Secretary, Irrigation Department, (All Provinces).</li><li>20. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.</li><li>21. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.</li><li>22. Chief Engineer, Mangla/Tarbela/Chashma.</li><li>23. Chief Engineer, Irrigation (All Provinces).</li><li>24. Chief Engineer, (All Barrages).</li><li>25. Chief Engineer, C.D.O. (Muzaffarabad).</li><li>26. All other concerned.</li></ol> |
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**SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:**

**I: HYDROLOGICAL SITUATION at 0600 PST:**

River Indus at Guddu & Sukkur are at **Medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa and River Kabul at Nowshera are at Low flood level. Flows in the river Indus at Guddu is likely to increase during next 48- Hours.

During 36 hours:

**Warning: High to Very High** level flash flooding is expected in the hill torrents of DG Khan division and in the Nullahs of Sibbi, Nasirabad, Loralai, Zhob and Kalat divisions. **High level** flash flooding is expected in Larkana (Jacobabad and Qambar Shahdaddkot districts) and Hyderabad (Dadu and Jamshoro Districts) divisions.

**II: METEOROLOGICAL FEATURES:**

- a) Yesterday's trough of Strong Westerly Wave continues to persist over Northern parts of Afghanistan, which is likely to affect the upper catchments of Rivers Kabul, Indus and Jhelum.
- b) Yesterday's well-marked low over Bahawalpur division has **weakened** into **LOW** and today centers near Larkana district.
- c) **Moderate To Strong** moist currents are penetrating Sindh, South Punjab and adjoining areas of Balochistan from the Arabian Sea, extending up to 7,000 feet. While light to moderate moist currents are influencing the upper parts of the country, extending up to 5,000 feet.
- d) A fresh **WELL-MARKED LOW** pressure area has developed over North Bay of Bengal and adjoining Bangladesh.
- e) Center of directional convergence lies over Larkana division.
- f) Seasonal Low lies over northwest Balochistan.

**III: WEATHER FORECAST FOR NEXT 36-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, Faisalabad, Sahiwal, Multan, Bahawalpur, Mirpur Khas and Quetta divisions.

**Warning:** Widespread thunderstorm rain of **Moderate to Heavy** intensity with Scattered **Very Heavy** and Isolated **Extremely Heavy** falls is expected over Sindh (except Mirpur Khas division) along with DG Khan, Zhob, Nasirabad, Loralai, Sibbi, Kalat and Makran divisions.

**IV: WEATHER OUTLOOK:**

Wet spell is likely to decrease in Southern parts of the country after 36 hours.

A fresh wet spell of Moderate intensity with isolated Heavy falls is expected to start from 20<sup>th</sup> August over the upper catchments of rivers Kabul, Indus & Jhelum along with Islamabad, Kyber Pakhtunkhwa and Rawalpindi, Sargodha & DG Khan divisions. Moderate intensity rainfall is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Gujranwala and Lahore divisions.

**V: RIVERS CATCHMENTS RAINFALL RECORDED >5 (MM) DURING LAST 24-HRS (UPTO 0800 PST):**

Indus:	Khairpur=169, Larkana=123, Rohri & Moin-Jo-Daro=119(each), DG Khan [Marri=105, Airport=101, Vehova=12, Zain Sanghar=09], Sukkur=100, Jacobabad=99, Rajanpur=85, Dadu=75, Rojhan & Jampur=70(each), Bhandu Wala=69, Warsak Dam=62, Ghalanai=55, Bannu=48, Mirpur Khas=35, Attock=32, Padidan=31, Rahim Yar Khan=28, Bosak Bidge=27, Chhor=24, Mianwali (Airbase) & Phulra=23(each), Layyah (Kror) & Bhakkar=21(each), Lower Dir=19, Tarbela=18, Khanpur=15, Saidu Sharif=13, Landi Kotal & Mamad Gut=12(each), Khaar-Bajaur=11, D.I.Khan (City=10 & Airport=08), Oghi & Kurum Garhi=10(each), Hyderabad (City)=08, Mithi=06.
Jhelum:	Sargodha (City=54 & Airbase=43), Joharabad=22, Mandibahauddin & Kallar=18(each), Kotli=17, Panjera=12, Chakwal=08.
Chenab:	Multan [Chungi No.9=92, Kiri Jamandan=83, Shuja Abad=75, Airport & City=24(each)], Jhang=92, Kot Addu=86, Noorpur Thal=13.
Ravi:	Narawal=49, Khanewal=35, Faisalabad [Gulam Muhammad Abad=23, Gulistan Colony=19, Madina Town=17, Allama Iqbal Colony=15, Dogar Basti=14], Lahore [Johar Town=23, Iqbal Tow=12, Township=09, Gulburg=08].
Sutlej:	-Nil-
Others:	Kalat=48, Sibbi=21, Karachi (Gulshan e Hadeed)=17, Quetta (Samunqli=10 & Sheikh Manda=06), Khuzdar=10, Chaman & Zhob=09(each).

-sd/-

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

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

BULLETIN No. B-065/24

Dated: - 18<sup>th</sup> 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)	<b>RESERVOIRS LEVEL (FEET) at (0600 PST)</b>	
INDUS	Scattered thunderstorm rain	Widespread thunderstorm rain (Sindh and DG Khan Division)	<b>TARBELA</b>	
JHELUM	-do-	Scattered thunderstorm rain (Sargodha Division)	Current:	1549.30
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	99.3%
SUTLEJ	-do-	-do- (Bahawalpur Division)	<b>MANGLA</b>	
			Current:	1213.35
			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	284.0	268.8	250-280	Low	832.0 (2010)	350.0
	Kalabagh	950	353.6	348.6	340-370	-do-	950.0 (1942)	401.7
	Chashma	950	355.7	339.7	340-365	-do-	1038.9 (2010)	432.7
	Taunsa	1100	369.8	353.8	380-420	Medium	960.0 (2010)	442.2
	Guddu	1200	390.2	390.2	410-450	-do-	1199.7 (1976)	431.3
	Sukkur	1500	384.5	372.6	380-400	-do-	1166.6 (1986)	393.0
	Kotri	875	221.1	187.5	220-230	Low	980.3 (1956)	221.1
KABUL	Nowshera	-	75.6	75.6	50-70	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	25.0	10.0	20-40	Below Low	1090.0 (1992)	114.6
	Rasul	850	10.8	8.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	70.9	49.0	60-70	-do-	1100.0 (1957)	178.8
	Khanki	1100	65.9	58.1	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	59.0	41.0	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	76.3	67.0	80-100	-do-	944.0 (1928)	78.8
	Punjad	700	55.5	55.5	No Sig. change	-do-	802.5 (1973)	57.9
RAVI	Jassar	275	10.7	10.7	-do-	-do-	680.0 (1955)	40.4
	Shahdara	250	23.5	23.5	-do-	-do-	576.0 (1988)	28.0
	Balloki	225	56.1	30.1	45-65	Low to Medium	389.8 (1988)	56.1
	Sidhnai	150	25.7	19.7	25-30	Below Low	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	2.0	2.0	No Sig. change	-do-	837.0 (1955)	19.7
	Sulemanki	325	17.6	9.5	-do-	-do-	598.9 (1955)	46.2
	Islam	300	10.2	10.2	-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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**FFD Lahore**

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BULLETIN No. C-065/24

Dated: 18<sup>th</sup> August, 2024  
Time: 11:20 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR**  
**RIVERS' CATCHMENTS' (19<sup>th</sup>-August, 2024 to 25<sup>th</sup>-August, 2024)**

➤ **RAINFALL OUTLOOK:**

A fresh wet spell of Moderate to heavy intensity is expected to start from 20<sup>th</sup> August over the upper catchments of rivers Kabul, Indus & Jhelum along with Islamabad, Kyber Pakhtunkhwa and Rawalpindi, Sargodha & DG Khan divisions. Moderate intensity rainfall is expected over the upper catchments of rivers Chenab, Ravi and Sutlej along with Gujranwala and Lahore divisions.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are likely to increase in all Major rivers.

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

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