

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

**BULLETIN No. A-037/24**

**Dated: - 21<sup>st</sup> July, 2024**  
**Time: - 11:20 hours (PST)**

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).
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.

**SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:**

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

All the major rivers are flowing below low flood level.

**II: METEOROLOGICAL FEATURES:**

- a) According to the latest synoptic analysis, yesterday's Depression over northwest Bay of Bengal has significantly weaken into low and today centers over Southwest Odisha.
- b) A fresh weak trough of the westerly wave lies over northern parts of Afghanistan.
- c) Moderate pressure gradient lies over the upper parts of the country and adjoining Afghanistan.
- d) As a result of the weakening of depression into a low and speed divergence along the foothill of Himalayas towards the northwest, moisture influx from the Bay of Bengal towards the upper catchments is likely to strengthen; while moisture from the Arabian Sea is converging over southern Sindh and adjoining India up to 3,000 feet.
- e) Active Monsoon trough lies over south off the foothills of the Himalayas.
- f) Weak Seasonal low lies over east Balochistan.
- g) A cyclonic circulation lies over northeast Arabian Sea and adjoining areas of India.

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

Isolated thunderstorm/rain of light to moderate intensity is expected over the upper catchments of all the Major rivers along with Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore, Multan, Bahawalpur and Zhob Divisions. Scattered thunderstorm/rain of moderate intensity with isolated heavy fall is expected over Sindh, DG Khan, Sibbi, Kalat and Nasirabad Divisions.

**IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:**

Monsoon activity is likely to revive in the upper catchments of all major rivers along with Northeast Balochistan, Khyber Pakhtunkhwa, Islamabad & Rawalpindi, Sargodha, Gujranwala, and Lahore Divisions.

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

Indus: Hyderabad=07, Daggarr=06, Barkhan=05, Shaheed Benazirabad=04, Padidan=03, Khawagoobo Bridge & Dadu=02(each), Dir, Moin-Jo-Daro, Peshawar (Airbase), Gilgit, Mirpur Khas, Rohri, Khairpur & Chilas=Trace(each).

Jhelum: -Nil-

Chenab: Gujranwala [Liaqat Bagh=44, Peoples Colony=40, Sheranwala Bagh=26, Model Town=24, City=16], Sialkot (Cantt=20 & Airport=01), Noorpur Thal=03, Marala=01.

Ravi: Narowal=11, Lahore [Airport=05, Johar Town & Township=02(each), Misri Shah, Gulshan e Ravi, Upper Mall, Gulburg & City=Trace(each)].

Sutlej: -Nil-

Others: Karachi [Nazimabad=37, Kemari=30, Masroor=26, Korangi=22, Quaidabad=12, Faisal Base & DHA=07(each), Orangi Town=05, Malir Halt & Jinnah Terminal=04(each), Ibrahim Hyderi=03, University Road & Airport=02(each), Gulshan e Hadeed=01, Gulshan e Maymar, Hassan Square & Saadi Town=Trace(each)], Loralai=05, Lasbela=02.

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

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BULLETIN No. B-037/24

Dated: - 21<sup>st</sup> July, 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	Isolated thunderstorm/rain	Isolated thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b>	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1516.72
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	68.8%
SUTLEJ	-do-	-do- (Bahawalpur Division)	<b>MANGLA</b>	
			Current:	1196.95
			Max Conservation:	1242.00
			Live Storage	55.9%

**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	168.0	186.7	160-170	Below Low	832.0 (2010)	296.0
	Kalabagh	950	227.1	219.1	230-250	-do-	950.0 (1942)	254.6
	Chashma	950	245.8	234.8	No Sig. change	-do-	1038.9 (2010)	273.4
	Taunsa	1100	224.7	204.7	-do-	-do-	960.0 (2010)	224.7
	Guddu	1200	177.6	140.0	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	124.6	74.6	-do-	-do-	1166.6 (1986)	140.3
	Kotri	875	84.7	45.3	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	54.9	54.9	50-55	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	22.0	15.0	20-30	-do-	1090.0 (1992)	114.6
	Rasul	850	10.5	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	66.1	38.3	70-90	-do-	1100.0 (1957)	98.9
	Khanki	1100	37.9	30.2	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	38.0	20.0	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	19.4	4.3	-do-	-do-	944.0 (1928)	46.5
	Punjad	700	20.0	6.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	9.2	9.2	7-15	-do-	680.0 (1955)	11.1
	Shahdara	250	18.4	18.4	No Sig. change	-do-	576.0 (1988)	18.4
	Balloki	225	31.0	5.6	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	12.6	0.0	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	13.5	2.5	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.0	0.0	-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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BULLETIN No. C-037/24

Dated: 21<sup>st</sup> July, 2024  
Time: 11:20 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (22<sup>nd</sup>-July, 2024 to 28<sup>th</sup>-July,2024)**

➤ **RAINFALL OUTLOOK:**

Monsoon is likely to remain in active phase during the last week of July.

Moderate rainfall activity with isolated heavy falls is likely to start over the upper catchments of all the major rivers from 23<sup>rd</sup> July.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High flood situation is expected. However, flows may rise.

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

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(Shahid Abbas)  
Chief Meteorologist  
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