

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

**BULLETIN No. A-036/24**

**Dated: - 20<sup>th</sup> July, 2024  
Time: - 11:00 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 well-marked monsoon low over the northwest Bay of Bengal has intensified into a DEPRESSION over the same area.
- b) Steering level winds suggest that the depression is likely to move westward over the next 24 hours and gradually weaken.
- c) Yesterday's trough of the westerly wave over Kashmir and adjoining areas has moved eastward.
- d) Mostly weak pressure gradients lie over the country and surrounding areas, except for southeast India around the depression.
- e) Light to moderate moisture from the Bay of Bengal is penetrating the upper parts of the country, while moisture from the Arabian Sea is converging over south Sindh and adjoining India up to 3,000 feet.
- f) Active Monsoon trough lies over south off the foothills of the Himalayas.
- g) Weak Seasonal low lies over east Balochistan.
- h) A cyclonic circulation lies over north east 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 and Bahawalpur Divisions. Scattered thunderstorm/rain of moderate intensity is expected over south Sindh, DG Khan, Zhob, Sibbi, Kalat and Nasirabad Divisions.

**IV: WEATHER OUTLOOK:**

Monsoon activity is likely to revitalize in the upper catchments of all major rivers from 22<sup>nd</sup> July.

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

Indus: Mianwali (Airbase)=37, Badin=14, Dir=10, Mirkhani=08, Darashoot & Khawagoobo Bridge=04(each), Barkhan=02, Arandu Nullah, Kalam & Drosh=01(each), Chowni Bridge Citral, Dratian, Moin-Jo-Daro, DG Khan (Zain Sanghar)=Trace(each).

Jhelum: Bandi Abbaspur=10, Balakot=01, Sharda=Trace, Sargodha [Airbase & City=Trace(each)].

Chenab: Multan [Chungi No.9=69, Kiri Jamandan=17, Airport=07, Shuja Abad=02], Shorkot (Airbase)=04, Muzaffargarh=03.

Ravi: Khanewal=22, Okara=07, Faisalabad [ Madina Town=04 & Dogar Basti=03], T.T. Singh=04, Sahiwal=02.

Sutlej: Kasur=07.

Others: Sibbi=35, Karachi [University Road=16, Gadap Town=14, Hassan Square=07, Faisal Base & Jinnah Terminal=06(each), Malir Halt=03, Airport & Surjani Town=02(each), Ibrahim Haideri=01, Quaidabad Korangi, Orange Town, Kemari, Landhi, Gulshan e Maymar & DHA=Trace(each)], Khuzdar & Lasbela=Trace(each).

--sd/--

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

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

BULLETIN No. B-036/24

Dated: - 20<sup>th</sup> July, 2024  
Time: - 11:00 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)	
INDUS	Isolated thunderstorm/rain	Isolated thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b>	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1517.69
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	69.6%
SUTLEJ	-do-	-do- (Bahawalpur Division)	<b>MANGLA</b>	
			Current:	1196.70
			Max Conservation:	1242.00
			Live Storage	55.7%

**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	181.0	205.3	180-200	Below Low	832.0 (2010)	296.0
	Kalabagh	950	228.8	220.8	No Sig. change	-do-	950.0 (1942)	254.6
	Chashma	950	245.3	233.8	-do-	-do-	1038.9 (2010)	273.4
	Taunsa	1100	211.0	191.0	-do-	-do-	960.0 (2010)	224.6
	Guddu	1200	175.1	136.5	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	125.5	74.6	-do-	-do-	1166.6 (1986)	140.3
	Kotri	875	80.7	39.6	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	57.6	57.6	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	20.0	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	55.4	27.6	50-60	-do-	1100.0 (1957)	98.9
	Khanki	1100	46.0	38.3	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	48.3	30.3	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	18.5	5.5	-do-	-do-	944.0 (1928)	46.5
	Punjad	700	19.0	5.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	10.7	10.7	7-15	-do-	680.0 (1955)	10.7
	Shahdara	250	15.4	15.4	No Sig. change	-do-	576.0 (1988)	18.4
	Balloki	225	27.5	3.0	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	13.5	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	3.7	1.8	-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)

--sd/--

(Shahid Abbas)  
Chief Meteorologist  
FFD Lahore

www.ffd.pmd.gov.pk | Email: ffdlhr@yahoo.com

Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax:04299200209 & 5367

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

BULLETIN No. C-036/24

Dated: 20<sup>th</sup> July, 2024  
Time: 11:00 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR**  
**RIVERS' CATCHMENTS' (21<sup>st</sup>-July, 2024 to 27<sup>th</sup>-July,2024)**

➤ **RAINFALL OUTLOOK:**

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.

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