

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

**BULLETIN No. A-017/24**

**Dated: - 01st July, 2024**  
**Time: - 11:30 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:**

River Kabul at Nowshera is in a low flood level whereas all the other major rivers are flowing below low flood level.

**II: METEOROLOGICAL FEATURES:**

- a. Yesterday's strong trough of extratropical storm over northern parts of Afghanistan today lies over northeastern parts of Afghanistan and adjoining areas. It is very likely to affect significantly upper half of the country during the current week.
- b. The latest vertical wind analysis over Southwest Asia shows a moderate moisture influx from the Arabian Sea advancing toward the upper catchments of all the major rivers and extending up to 5000 feet. The strength of the moisture incursion from both sources, influenced by a trough of an extratropical storm, is expected to become forceful from 4<sup>th</sup> July.
- c. Steep pressure gradient lies over northern parts of Afghanistan which may produce stronger winds during the current week.
- d. A monsoon trough lies along the foothill of Hamaliya from Bay of Bengal to eastern rivers catchments.
- e. A seasonal low is situated over the northeast of Balochistan and adjoining areas, with a central pressure of approximately 990 hPa.
- f. Current soil conditions within the catchments of the Major Rivers and hill torrents are semi saturated.

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

Scattered thunderstorm with moderate to heavy rain is expected over the upper catchments of rivers Ravi and Sutlej. Scattered thunderstorm with moderate intensity is expected over the upper catchments of rivers Indus, Jhelum and Chenab as well as Islamabad, Rawalpindi, Sargodha, Gujranwala Lahore, DG Khan divisions. Isolated thunderstorm rain of light intensity is also expected over South & Southeast Sindh, Bahawalpur, Sibbi, Nasirabad, Kalat and Makran divisions.

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

Current rainfall activity with same intensity is likely to continue.

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

Indus:	Kakul=41, Murree=25, Pashat-Bajaur & Badin=01(each).
Jhelum:	Mangla=57, Kotli=33, Bandi Abbaspur=27, Hajira=17, Talhatta=09, Muzaffarabad (City=06 & Airport=04), Rawalakot=06, Mandibahauddin=03, Garhi Dopatta=02, Chattar Kallas, Palandri & Jhelum=01(each).
Chenab:	Gujranwala=43, Sialkot (Airport=40 & Cantt=02), Barnala=08, Gujrat=03, Marala=Trace.
Ravi:	Lahore [Luckshami=105, Qurtba chock=102, Gulburg=73, Shahi Qilla=72, Gulshan e Ravi=61, Mughal Pura=52, Township & Jail Road=49(each), Misri Shah=47, Upper Mall=45, Samanabad=41, Taj Pura & Iqbal Town=33(each), Airport & Shahdara=30(each), Johar Town=12], Narowal=33, Faisalabad= (Dogar Basti=10, Alama Iqbal colony=06 & Madina Town=02).
Sutlej:	Kasur=03.
Others:	Lasbela=04.

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

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BULLETIN No. B-017/24

Dated: - 01<sup>st</sup> July, 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 thunderstorm/rain	Scattered thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b> Current: 1473.80 Max. Conservation: 1550.00  <b>MANGLA</b> Current: 1184.60 Max Conservation: 1242.00
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Isolated 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	235.0	115.0	235-260	Low	832.0 (2010)	235.0
	Kalabagh	950	221.3	213.4	210-240	Below Low	950.0 (1942)	232.6
	Chashma	950	208.7	200.0	210-230	-do-	1038.9 (2010)	234.0
	Taunsa	1100	194.6	170.1	No Sig. change	-do-	960.0 (2010)	207.5
	Guddu	1200	111.8	85.8	-do-	-do-	1199.7 (1976)	176.6
	Sukkur	1500	55.0	18.2	-do-	-do-	1166.6 (1986)	135.5
	Kotri	875	61.6	19.3	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	85.7	85.7	80-95	Low to Medium	391.3 (1990)	96.6
JHELUM	Man gla	1060	50.0	16.6	50-80	Low	1090.0 (1992)	70.0
	Rasul	850	36.1	15.8	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	64.2	32.9	60-90	-do-	1100.0 (1957)	74.8
	Khanki	1100	46.4	38.5	45-70	-do-	1086.5 (1959)	53.5
	Qadirabad	807	57.2	37.6	50-70	-do-	948.5 (1992)	57.2
	Trimmu	645	22.7	5.3	No Sig. change	-do-	944.0 (1928)	42.3
	Punjnad	700	13.9	0.0	-do-	-do-	802.5 (1973)	33.8
RAVI	Jassar	275	3.9	3.9	5-15	-do-	680.0 (1955)	5.3
	Shahdara	250	14.1	14.1	No Sig. change	-do-	576.0 (1988)	16.2
	Balloki	225	33.8	7.3	-do-	-do-	389.8 (1988)	33.8
	Sidhnai	150	16.1	0.0	-do-	-do-	330.2 (1988)	17.3
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	0.7
	Sulemanki	325	16.7	3.3	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.8	0.4	-do-	-do-	492.6 (1955)	4.2

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)

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

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BULLETIN No. C-017/24

Dated: - 01<sup>st</sup> July, 2024  
Time: - 11:00 hours (PST)

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

➤ **RAINFALL OUTLOOK:**

Moderate to **Heavy** rainfall with isolated **Very Heavy** fall is likely to start over the upper catchments of all the major rivers from 2<sup>nd</sup> July 2024. However, widespread activity of maximum intensity is likely during **4<sup>th</sup> to 7<sup>th</sup> July 2024**.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are anticipated to increase in all major rivers and their tributaries starting from 3<sup>rd</sup> July 2024. **Medium to High level** flood peaks are expected in the River Jhelum at Mangla upstream, the River Chenab at Marala and downstream, and the River Kabul at Nowshera and its tributaries between 4<sup>th</sup> and 7<sup>th</sup> July 2024. Flows are also likely to increase in the nullahs of Rivers Ravi and Chenab catchments during the 4<sup>th</sup> to 7<sup>th</sup>.

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

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