

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

**BULLETIN No. A-039/24**

**Dated: - 23<sup>rd</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 river are flowing below low flood level. Low to medium flood level is expected in River Chenab at Marala, Khanki and Qadirabad along with Nullah's of Rivers Ravi and Chenab during next 36 hours.

**II: METEOROLOGICAL FEATURES:**

- a) Latest synoptic analysis shows yesterday's monsoon Low over central Chhattisgarh remained stationary.
- b) Yesterday's trough of the westerly wave over northern parts of Afghanistan today lies over northeast Afghanistan and adjoining Pakistan.
- c) Moderate pressure gradient lies over the upper parts of the country and adjoining Afghanistan.
- d) Moderate moist currents are penetrating upper parts of the country from Arabian sea as well as from Bay of Bengal up to 5000 feet.
- e) Active monsoon trough lies over just south of Hamaliya from Bay of Bengal to eastern River's catchments.
- f) Seasonal low lies over east Balochistan with its trough extending northward.

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

Widespread wind-thunderstorm/rain of Moderate to **HEAVY** intensity with isolated **VERY HEAVY** falls is expected over the upper catchments of all the major rivers along with Islamabad & Peshawar, Kohat, Bannu, DI Khan Rawalpindi, Sargodha & Gujranwala Divisions. Scattered thunderstorm/rain of moderate Intensity with isolated heavy falls is also expected over Lahore, Faisalabad, Multan, Sahiwal, Bahawalpur, DG Khan, Zhob, Sibbi, Kalat and Nasirabad Divisions. Isolated thunderstorm rain of light to moderate intensity is also expected over the South Sindh.

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

Wet spell is likely to continue.

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

Indus:	Islamabad [Head Quarter & Zeropoint=30(each), Shamsabad=22, Chaklala (Airbase)=15, Saidpur=10, Kacheri=03, Golra=01, New Airport=Trace], Murree=18, Shinkhari=16, Mirpur Khas=13, Mithi=07, Phulra, Badin & Chhor=06(each), Oghi=05, Daggar =04, Thatta=03, Dratian, Hyderabad(Airport & City), Buner=01(each), Bunji & Tando Jam=Trace(each).
Jhelum:	Mandibahauddin=98, Domel=43, Mangla=42, Jhelum=37, Palandri & Kotli =27(each), Chattar Kallas=26, Dhulli=19, Muzaffarabad (Airport=18 & City=14), Balakot=17, Bandi Abbaspur=15, Kallar=08, Tandali=07, Panjera=04, Talhatta=02, Garhi Dopatta & Chakothi=01(each), Hajira=Trace.
Chenab:	Sialkot (Airport=114 & Catt=69), Gujranwala (Liaqat Bagh=106, People Colony =98, Model Town=96, Sheranwala=87, City=82), Gujrat=63, Hafizabad=35, Marala=17, Barnala=02.
Ravi:	Narowal=54, Lahore [Gulshan e Ravi=45, Iqbal Town=32, Shahi Qilla=27, Qurtba chock=26, Luckshami & Samanabad=24(each), Shahdara=15, Misri Shah=10, City=09, Mughal Pura=07, Gulburg & Upper Mall=06(each), Township, Taj Pura & Johar Town=03(each), Airport=Trace], Sheikhpura=16, Zafarwal=08.
Sutlej:	-Nil-
Others:	Lasbela=18, Karachi [Korengi=06, Gadap Town=04, University Road, Jinah Terminal, Faisal Base & Kemari=02(each), Airport, Surjani Town, North Karachi, Malir Halt, Landhi & Gulshan e Maymar=01(each)], Ormara=Trace.

(Saqib Hussain)  
Director  
for Chief Meteorologist  
**FFD Lahore**

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**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	Widespread thunderstorm/rain	Widespread thunderstorm/rain (Rawalpindi Division)	<b>TARBELA</b>	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1515.60
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	67.8%
SUTLEJ	-do-	Scattered thunderstorm/rain (Bahawalpur Division)	<b>MANGLA</b>	
			Current:	1197.60
			Max Conservation:	1242.00
			Live Storage	56.4%

**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	201.1	180-190	Below Low	832.0 (2010)	296.0
	Kalabagh	950	218.0	210.0	No Sig. change	do-	950.0 (1942)	254.6
	Chashma	950	246.5	234.8	-do-	do-	1038.9 (2010)	273.4
	Taunsa	1100	220.0	195.4	-do-	do-	960.0 (2010)	224.8
	Guddu	1200	176.3	139.3	-do-	do-	1199.7 (1976)	192.9
	Sukkur	1500	128.0	77.2	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	70.6	30.1	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	49.3	49.3	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	51.0	15.0	50-80	Low	1090.0 (1992)	114.6
	Rasul	850	10.5	0.0	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	71.4	43.6	130-160	Low to Medium	1100.0 (1957)	98.9
	Khanki	1100	46.2	38.3	130-160	-do-	1086.5 (1959)	95.1
	Qadirabad	807	48.3	30.3	130-160	-do-	948.5 (1992)	93.1
	Trimmu	645	30.8	14.1	No Sig. change	Below Low	944.0 (1928)	46.5
	Punjad	700	13.9	0.0	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	12.6	12.6	10-20	-do-	680.0 (1955)	17.4
	Shahdara	250	20.1	20.1	18-30	-do-	576.0 (1988)	20.1
	Balloki	225	37.7	9.3	No Sig. change	-do-	389.8 (1988)	38.8
	Sidhnai	150	14.6	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	15.0	3.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.6	0.8	-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)

(Saqib Hussain)  
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for Chief Meteorologist  
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BULLETIN No. C-039/24

Dated: 23<sup>rd</sup> July, 2024  
Time: 11:20 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR**  
**RIVERS' CATCHMENTS' (24<sup>th</sup>-July, 2024 to 30<sup>th</sup>-July,2024)**

➤ **RAINFALL OUTLOOK:**

Moderate to Heavy rainfall with isolated Very Heavy falls is expected over the upper catchments of all the Major rivers during the Period.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows up to medium level flood are expected in Rivers Jhelum upstream and Chenab along with nullahs of Rivers Ravi and Chenab. Low to Medium level flows are also expected in the Hill torrents of DG Khan.

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

(Saqib Hussain)  
Director  
for Chief Meteorologist  
**FFD Lahore**