

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

BULLETIN No. A-040/24

Dated: - 24th 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 river are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a) Latest synoptic analysis shows yesterday's monsoon Low over central Chhattisgarh has recurred to north eastward and has become insignificant for the country.
- b) Yesterday's trough of westerly wave over northeast Afghanistan and adjoining Pakistan today lies over northwestern part of Pakistan.
- c) Moderate moist currents are penetrating upper parts of the country from Arabian sea as well as from Bay of Bengal up to 5000 feet.
- d) Active monsoon trough lies over just south of Hamaliya from Bay of Bengal to eastern River's catchments.
- e) Seasonal low lies over north Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Widespread wind-thunderstorm/rain of Moderate intensity with isolated **HEAVY** fall is expected over the upper catchments of all the major rivers along with Islamabad Khyber Pakhtunkhwa, Punjab along with 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 with less intensity.

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

- Indus: Islamabad [Saidpur=51, Shamsabad=41, Chaklala (Airbase)=26, PMD Headquarters=20, Golra=19, Katecheri=07, Bokra=06, New Airport=04], Pashat-Bajaur=21, Bannu=15, DG Khan (Vehova=08), Malam Jabba=07, Khawagoobo Bridge & Attock=06(each), Saidu Sharif=04, Buner=02, Drosh, Darashoot, Khaar-Bajaur & Phulra=01(each), Bosak Bridge, Murree, Dratian, Bunji, Chilas, Mianwali (Airbase), Kalam, Layyah (Krore), Skardu, Astore, D.I.Khan(City & Airport)=Trace(each).
- Jhelum: Kallar=36, Joharabad=10, Domel=08, Mangla=06, Kotli=03, Muzaffarabad (City=03 & Airport=02), Tandali & Chakwal=02(each), Panjera & Baba Shah Jalal=01(each), Mandibahauddin, Chattar Kallas, Hajira, Rawalakot, Sargodha (Airbase & City)=Trace(each).
- Chenab: Marala=01, Gujranwala, Shorkot (Airbase) Sialkot (Airport & Cantt)=Trace(each).
- Ravi: Faisalabad [Gulam Muhammad Abad=32, Dogar Basti=12, Madina Town & Allama Iqbal Colony=11(each), Gulistan Colony=07, City=04], Lahore [Township=24, Johar Town=22, Misri Shah=13, City=12, Shahdara=08, Luckshami=04, Shahi Qilla=03, Gulshan e Ravi & Airport=02(each), Samanabad & Gulburg=01(each)], Sheikhpura=16, Okara=10, Narowal=02, Khanewal & Sahiwal=Trace(each).
- Sutlej: Bahawalnagar=40, Kasur=Trace.
- Others: Karachi [Airport, Gadap Town, University Road, Faisal Base, Kemari, Masroor, Malir Halt, Ibrahim Hyderi & Quaidabad=Trace(each)], Zhob=Trace.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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BULLETIN No. B-040/24

Dated: - 24th 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	Widespread thunderstorm/rain	Widespread thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1515.90
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	68.1%
SUTLEJ	-do-	-do- (Bahawalpur Division)	MANGLA	
			Current:	1198.10
			Max Conservation:	1242.00
			Live Storage	56.8%

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	200.0	215.6	200-220	Below Low	832.0 (2010)	296.0
	Kalabagh	950	203.0	195.0	No Sig. change	do-	950.0 (1942)	254.6
	Chashma	950	246.5	234.3	-do-	do-	1038.9 (2010)	273.4
	Taunsa	1100	226.9	200.9	-do-	do-	960.0 (2010)	226.9
	Guddu	1200	181.3	144.0	-do-	do-	1199.7 (1976)	192.9
	Sukkur	1500	126.5	75.6	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	69.4	30.1	-do-	do-	980.3 (1956)	84.7
KABUL	Nowshera	-	49.8	49.8	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	29.0	12.0	40-70	-do-	1090.0 (1992)	114.6
	Rasul	850	12.9	0.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	65.8	38.3	60-70	-do-	1100.0 (1957)	98.9
	Khanki	1100	53.8	46.0	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	56.0	36.5	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	23.2	6.3	-do-	-do-	944.0 (1928)	46.5
	Punjad	700	13.2	0.0	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	26.8	26.8	15-25	-do-	680.0 (1955)	26.8
	Shahdara	250	20.6	20.6	20-35	-do-	576.0 (1988)	21.8
	Balloki	225	38.9	10.4	No Sig. change	-do-	389.8 (1988)	38.9
	Sidhnai	150	16.9	1.3	-do-	-do-	330.2 (1988)	21.5
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	15.5	3.0	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.1	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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(Shahid Abbas)
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BULLETIN No. C-040/24

Dated: 24th July, 2024
Time: 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (25th-July, 2024 to 31st-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.

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(Shahid Abbas)
Chief Meteorologist
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