

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

BULLETIN No. A-038/24

Dated: - 22nd 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:

As a result of downstream releases from Tarbela Dam, River Indus at Tarbela is in low flood, while all the other major rivers are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a) According to the latest synoptic analysis, yesterday's monsoon Low over Southwest Odisha today lies over central Chhattisgarh.
- b) Yesterday's trough of the westerly wave persists over northern parts of Afghanistan.
- c) Moderate pressure gradient lies over the upper parts of the country and adjoining Afghanistan.
- d) Moderate moist currents penetrating upper parts of the country from Arabian sea up to 3000 feet and from Bay of Bengal up to 5000 feet.
- e) The axis of the active monsoon trough is likely to shift northward, influencing monsoon patterns and rainfall from southern to northern parts of the country.
- f) Seasonal low lies over east Balochistan with its trough extending northward.
- g) Yesterday's cyclonic circulation over northeast Arabian Sea and adjoining areas of India has become insignificant and allowing moist current from Arabian Sea to penetrate upper part of the country.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

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

IV: WEATHER OUTLOOK FOR NEXT 72-HOURS:

Widespread wind-thunderstorm/rain of moderate to HEAVY intensity with isolated VERY HEAVY falls is expected over the upper catchments of rivers Kabul and Indus along with Islamabad & Peshawar and Rawalpindi Divisions. Scattered to widespread thunderstorm/rain of moderated intensity with isolated Heavy falls is expected over the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej along with Kohat, Bannu, DI Khan, Sargodha, Gujranwala, Lahore, Faisalabad and DG Khan Divisions. Scattered thunderstorm rain of moderate Intensity is also expected over Multan, Sahiwal, Bahawalpur, Zhob, Sibbi, Kalat and Nasirabad Divisions.

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

Indus:	Besham=31, Shinkhari=18, Islamabad [Chaklala (Airbase)=17, Chaklala Katcheri, Shamsabad & Saidpur=04(each), PMD Headquarters=01], Murree=03, Dratian=01.
Jhelum:	Kallar=20, Dhulli=16, Palandri=07, Garhi Dopatta=05, Panjera=04, Kotli & Hajira=03(each), Bandi Abbaspur, Mandibahauddin, Rawalakot & Talhatta=02(each), Chakothi & Muzaffarabad (Airport)=01(each), Jhelum=Trace.
Chenab:	Sialkot (Cantt=20 & Airport=09), Gujrat=12, Gujranwala=01, Jhang & Shorkot (Airbase)=Trace(each).
Ravi:	Faisalabad [Gulam Muhammand Abad=37, Gulistan Colony=22, Dogar Basti=05, Madina Town=03], Lahore [Qurtba chock & Shahi Qilla=11(each), Luckshami=10, City & Iqbal Town=09(each), Gulburg=08, Gulshan e Ravi=06, Misri Shah, Upper Mall, Shahdara & Samanabad=04(each), Mughal Pura=03, Airport, Township & Taj Pura=Trace(each)], Narowal=11,
Sutlej:	-Nil-
Others:	Karachi [Airport=20, Surjani Town=11, University Road=10, Jinnah Terminal=09, Hassan Square & Faisal Base=07(each), Malir Halt, Masroor (Airbase), Kemari & DHA=03(each), North Karachi=01, Nazimabad & Orange Town=Trace(each)], Ziarat=11, Zhob=07, Muslim Bagh=01.

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(Shahid Abbas)
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)	RESERVOIRS LEVEL (FEET) at (0600 PST)	
INDUS	Scattered thunderstorm/rain	Scattered thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1515.96
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	Live Storage	68.1%
SUTLEJ	-do-	Isolated thunderstorm/rain (Bahawalpur Division)	MANGLA	
			Current:	1197.20
			Max Conservation:	1242.00
			Live Storage	56.1%

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	161.0	253.0	160-180	Below Low	832.0 (2010)	296.0
	Kalabagh	950	213.9	205.9	260-290	Low	950.0 (1942)	254.6
	Chashma	950	245.9	234.6	240-260	-do-	1038.9 (2010)	273.4
	Taunsa	1100	224.8	201.8	No Sig. change	Below Low	960.0 (2010)	224.8
	Guddu	1200	179.7	143.6	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	126.4	75.7	-do-	-do-	1166.6 (1986)	140.3
	Kotri	875	78.4	37.5	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	53.7	53.7	50-60	-do-	391.3 (1990)	96.6
JHELUM	Mangla	1060	25.0	15.0	40-60	-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	60-80	-do-	1100.0 (1957)	98.9
	Khanki	1100	42.5	34.7	No Sig. change	-do-	1086.5 (1959)	95.1
	Qadirabad	807	41.9	23.9	-do-	-do-	948.5 (1992)	93.1
	Trimmu	645	27.0	10.3	-do-	-do-	944.0 (1928)	46.5
	Punjad	700	18.0	4.1	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	17.4	17.4	10-20	-do-	680.0 (1955)	17.4
	Shahdara	250	17.8	17.8	18-30	-do-	576.0 (1988)	18.4
	Balloki	225	34.5	8.1	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	15.8	4.6	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.4	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-038/24

Dated: 22nd July, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (23rd-July, 2024 to 29th-July,2024)

➤ **RAINFALL OUTLOOK:**

Moderate to heavy rainfall with isolated very heavy falls is expected over the upper catchments of rivers Kabul and Indus during 24th to 25th July. Moderate to heavy rainfall is also expected over the upper catchments of all the other major rivers during the same period. A new spell over the upper catchments of all the major rivers is likely to start from 28th 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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