

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

BULLETIN No. A-021/24

Dated: - 05th July, 2024
Time: - 11:00 hours (PST)

- | | |
|---|---|
| <ol style="list-style-type: none">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). | <ol style="list-style-type: none">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 medium flood level where as all the other major rivers are flowing below low flood level. Medium to High level flood peaks are expected in the River Jhelum at Mangla upstream, River Chenab at Marala & downstream, and the River Kabul at Nowshera and its tributaries up to 7th July 2024. Flows are also likely to increase in the nullahs of Rivers Ravi and Chenab catchments along with hill torrents of DG Khan Division during the same period. Urban flooding is also expected in Lahore, Sialkot, Gujranwala, Narowal, Rawalpindi, Faisalabad and Peshawar till 07th July.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's strong trough of an extratropical storm (westerly wave) over the northern parts of the country persists. It is expected to remain stagnant for further two days and is likely to significantly affect the upper half of the country including upper catchment areas in India, up to 7th July.
- b. Sub-tropical jet stream lies over north of the country with speeds of around 100 kt.
- c. The latest vertical wind analysis over Southwest Asia shows a moderate moisture influx from Arabian Sea as well as Bay of Bengal, advancing toward the upper catchments of all the major rivers and extending up to 5000 feet. Influenced by a trough of an extratropical storm and the jet stream over the northern part of the country, along with the speed divergence of winds along the foothills of the Himalayas in India towards Pakistan, is resulting in strengthening of this moisture incursion.
- d. Yesterday's marked Monsoon trough along the foothill of Hamaliya from Bay of Bengal to eastern rivers catchments continues to persist.
- e. A seasonal low is located over the northeast Balochistan and adjoining areas, with a central pressure below 990 hPa. Its trough is extending north-eastwards.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Widespread moderate to heavy thunderstorm rain/ showers with isolated very heavy falls is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa and Punjab except Multan and Bahawalpur Division where isolated thunderstorm rain may occur. Scattered thunderstorm rain is also expected over Sibi, Kalat and Nasirabad divisions.

IV: WEATHER OUTLOOK:

Current wet spell is likely to continue up to 7th July with same intensity.

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

- Indus: Barkhan=34, Risalpur=17, Pashat-Bajaur=05, Takht Bai, Layyah (Karor) & Daggar=04 (each), Islamabad [Zeropoint=03, Bokra & Saidpur=02(each), Shamsabad, Golra, New Airport=01(each), Chaklala (Airbase)=Trace] Bosak Bidge, Murree & Astore=03(each), Attock, Mardan, Phulra, Bunji & Kabul (Nowshera)=02(each), Khaar-Bajaur, Skardu & Kalpani (Rashedabad)=01(each), Peshawar (Airbase & Bacha Khan Airport), Lower Dir, Kamra (Airbase), Besham, Gilgit & DG Khan (Airport)=Trace(each).
- Jhelum: Joharabad=48, Chakwal=33, Sargodha (City=38 & Airbase=33) Kallar=18, Garhi Dopatta=15, Muzaffarabad (Airport=11 & City=09), Bandi Abbaspur=11, Rawalakot=10, Chakothe=09, Mangla & Domel=08 (each), Panjera=07, Jhelum=04, Mandibahauddin=03, Hajira & Chattar Kallas=02 (each), Sara-e-Alamgir & Tandali=Trace(each).
- Chenab: Sialkot (Cantt=08 & Airport=Trace), Hafizabad=08, Jhang=05, Gujranwala=01.
- Ravi: Faisalabad [Gulam Muhammad Abad=47, Airport=25, Allama Iqbal Colony=13, Dogar Basti & Gulistan Colony=12 (each), Madina Town=11], Okara=12, T.T. Singh=03, Sheikhpura=02, Sahiwal=Trace.
- Sutlej: -Nil-
- Others: Khuzdar=Trace.

(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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

BULLETIN No. B-021/24

Dated: - 05th 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 Current: 1497.68 Max. Conservation: 1550.00
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	MANGLA Current: 1188.25 Max Conservation: 1242.00
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	269.0	132.6	270-290	Low	832.0 (2010)	286.0
	Kalabagh	950	195.2	187.2	No Sig. change	Below Low	950.0 (1942)	233.6
	Chashma	950	213.8	208.0	-do-	-do-	1038.9 (2010)	234.0
	Taunsa	1100	202.2	173.9	-do-	-do-	960.0 (2010)	207.5
	Guddu	1200	148.2	108.1	-do-	-do-	1199.7 (1976)	176.6
	Sukkur	1500	89.0	38.9	-do-	-do-	1166.6 (1986)	135.5
	Kotri	875	29.0	1.0	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	93.5	93.5	85-100	Low to Medium	391.3 (1990)	96.6
JHELUM	Mangla	1060	37.0	25.3	80-110	Low to Medium <small>(sharp peak up to High level)</small>	1090.0 (1992)	114.6
	Rasul	850	12.5	0.0	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	86.2	54.3	85-110	Low	1100.0 (1957)	97.0
	Khanki	1100	62.0	53.8	60 - 90	Below Low	1086.5 (1959)	64.1
	Qadirabad	807	65.7	46.2	65-80	-do-	948.5 (1992)	65.7
	Trimmu	645	34.3	16.9	No Sig. change	-do-	944.0 (1928)	42.3
	Punjad	700	11.2	0.0	-do-	-do-	802.5 (1973)	33.8
RAVI	Jassar	275	2.9	2.9	3-10	-do-	680.0 (1955)	5.3
	Shahdara	250	14.9	14.9	No Sig. change	-do-	576.0 (1988)	16.2
	Balloki	225	34.1	7.3	-do-	-do-	389.8 (1988)	38.8
	Sidhnai	150	18.4	2.3	-do-	-do-	330.2 (1988)	18.4
SUTLEJ	G.S. Wala	--	4.8	4.8	-do-	-do-	837.0 (1955)	4.8
	Sulemanki	325	18.3	5.2	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.2	0.8	-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

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

BULLETIN No. C-021/24

Dated: - 05th July, 2024
Time: - 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (06th-July, 2024 to 12th-July,2024)

➤ **RAINFALL OUTLOOK:**

Widespread activity of **Moderate to Heavy** thundershower is likely up to **7th July 2024** over upper catchments of all the major rivers and decrease thereafter.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Medium to High level flood peaks are expected in the River Jhelum at Mangla upstream, River Chenab at Marala and downstream, and River Kabul at Nowshera and its tributaries till 7th July 2024. Flows are also likely to increase in the nullahs of Rivers Ravi and Chenab catchments along with hill torrents of D.G Khan division, up to 7th July.

Note: This forecast is updated on daily basis.

(Shahid Abbas)
Chief Meteorologist
FFD Lahore