

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

BULLETIN No. A-013/24

Dated: - 27th June, 2024
Time: - 11:00 hours (PST)

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| <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. Chairman NHA, Islamabad.12. Chief Secretary (All Provinces).13. PDMA'S (D.G's, All Provinces & AJK). | <ol style="list-style-type: none">14. Chairman, Federal Flood Commission, Islamabad.15. Chairman, Indus River System Authority, Islamabad.16. Chairman, PCRWR, Islamabad.17. The Secretary General, Red Crescent, Islamabad.18. Secretary, Irrigation Department, (All Provinces).19. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi.20. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.,21. Chief Engineer, Mangla/Tarbela/Chashma.22. Chief Engineer, Irrigation (All Provinces).23. Chief Engineer, (All Barrages).24. Chief Engineer, C.D.O. (Muzaffarabad).25. Commissioner for Indus Waters, Lahore.26. All other concerned. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:-

I: HYDROLOGICAL SITUATION at 0600 PST:

The River Kabul at Nowshera is in a low flood level. whereas all other major rivers are flowing in the state of their normal flows.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's cyclonic circulation over South Gujarat continues to remain stationary.
- b. According to the latest vertical wind analysis over southwest Asia, the monsoon pattern has set in, and moisture from the Bay of Bengal is penetrating upper parts of the country moving along the foothill of Himalaya up to 850hpa.
- c. A vertically elongated marked seasonal low lies over east Balochistan, with a central pressure of around 993 hPa.
- d. A monsoon trough has developed from the Bay of Bengal to the center of the seasonal low.
- e. A strong trough of extratropical storm over north western parts of Iran moved eastwards and today lies over northern parts of Iran. It is likely to approach in the vicinity of the country from 3rd of July which will first affect the upper catchment of river Kabul and its tributaries and then spread towards upper catchments of all the other major rivers thereafter.
- f. Current soil conditions within the catchments of the Major Rivers and hill torrents are almost dry.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

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

IV: WEATHER OUTLOOK:

No significant change.

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

Indus:	Chitral & Kalam=04(each), Shishi Darosh=03, Rashidabad (Kalpani)=02, Arandu Nullah, Darashoot & Drosh=01(each), Nowshera (Kabul)= Trace.
Jhelum:	Balakot=16, Rawalakot=03 & Dhulli=01.
Chenab:	-Nil-
Ravi:	-do-
Sutlej:	-do-
Others:	-do-

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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) TARBELA Current: 1467.63 Max. Conservation: 1550.00 MANGLA Current: 1182.95 Max Conservation: 1242.00
INDUS	Isolated thunderstorm/rain	Isolated thunderstorm/rain (Rawalpindi Division)	
JHELMUM	-do-	Mainly dry (Sargodha Division)	
CHENAB	Scattered thunderstorm/rain	Scattered thunderstorm/rain (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Mainly dry (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	135.0	155.4	135-145	Below Low	832.0 (2010)	182.0
	Kalabagh	950	204.5	196.9	No Sig. Change	-do-	950.0 (1942)	204.9
	Chashma	950	193.7	170.0	-do-	-do-	1038.9 (2010)	212.3
	Taunsa	1100	127.5	99.5	-do-	-do-	960.0 (2010)	207.5
	Guddu	1200	109.0	71.8	-do-	-do-	1199.7 (1976)	176.6
	Sukkur	1500	72.6	33.2	-do-	-do-	1166.6 (1986)	135.5
	Kotri	875	78.5	36.0	-do-	-do-	980.3 (1956)	80.4
KABUL	Nowshera	-	66.2	66.2	60-70	Low	391.3 (1990)	96.6
JHELMUM	Mangla	1060	40.0	35.9	40-70	Below Low	1090.0 (1992)	70.0
	Rasul	850	25.6	5.3	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	58.2	27.6	60-80	-do-	1100.0 (1957)	63.4
	Khanki	1100	19.1	10.9	No Sig. change	-do-	1086.5 (1959)	37.9
	Qadirabad	807	25.7	6.2	-do-	-do-	948.5 (1992)	45.0
	Trimmu	645	23.6	6.2	-do-	-do-	944.0 (1928)	42.3
	Punjnad	700	24.3	10.4	-do-	-do-	802.5 (1973)	33.8
RAVI	Jassar	275	1.4	1.4	-do-	-do-	680.0 (1955)	1.8
	Shahdara	250	12.9	12.9	-do-	-do-	576.0 (1988)	14.9
	Balloki	225	31.2	4.7	-do-	-do-	389.8 (1988)	31.9
	Sidhnai	150	17.3	1.3	-do-	-do-	330.2 (1988)	17.3
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	0.7
	Sulemanki	325	15.4	2.3	-do-	-do-	598.9 (1955)	46.2
	Islam	300	3.0	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)

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore

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BULLETIN No. C-013/24

Dated: - 27th June, 2024
Time: - 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS CATCHMENTS (28th -June, 2024 to 04th-July, 2024)

➤ **RAINFALL OUTLOOK:**

- A strong trough of extratropical storm lies over north-western parts of Iran and is likely to approach in the vicinity of the country on July 3rd. In the presence of moderate to strong moisture incursion from both sources this will first affect, the upper catchment of river Kabul and its tributaries significantly on the same day and then spread towards upper catchments of all the other major rivers thereafter.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are likely to increase in River Kabul and its tributaries from July 3rd.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore