

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

BULLETIN No. A-015/24

Dated: - 29th 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:

River Kabul at Nowshera is in a low flood level whereas all the other major rivers are flowing below low flood level.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's cyclonic circulation over 380km Southeast of Karachi has moved west-northwestwards and today lies over 300 km Southwest of Karachi.
- b. According to the latest vertical wind analysis over southwest Asia, light moisture flux from the Arabian sea and Bay of Bengal is penetrating upper parts of the country up to 3000 feet.
- c. Weak Seasonal low lies over Balochistan, with a central pressure of around 995 hPa.
- d. Yesterday's strong trough of extratropical storm over northern parts of Iran, moved eastwards and today lies over northwest Afghanistan and adjoining areas.
- e. 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 with moderate rain is expected over the upper catchments of all major rivers, as well as Islamabad, Rawalpindi, DG Khan, Kalat and Makran divisions. Isolated thunderstorm rain of light intensity is also expected over South & Southeast Sindh, Sargodha, Gujranwala Lahore, Sibbi and Nasirabad divisions.

IV: WEATHER OUTLOOK FOR NEXT 72-HOURS:

Rainfall activity over the upper catchment of all the major rivers along with north-northeast Punjab is likely to increase after 48 hours.

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

Indus:	Malam Jabba=59, Khaar-Bajaur=16, Besham=07, Islamabad [Chaklala (Airbase)=05 & Zeropoint=Trace], Murree & Barkhan=03(each), Risalpur, Daggar, Thatta & Dir=02(each), Kalpani nullah (Rashidabad), Chakdara & Takht Bai=01(each).
Jhelum:	Domel=23, Balakot=12, Muzaffarabad (Airport=05 & City=04), Rawalakot & Garhi Dopatta=01(each), Haraman=Trace.
Chenab:	-Nil-
Ravi:	-do-
Sutlej:	-do-
Others:	Zhob=04, Muslim Bagh=01, Turbat=Trace.

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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-	Isolated thunderstorm/rain (Sargodha Division)	Current:	1468.51
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	-do-	Mainly dry (Bahawalpur Division)	Current:	1183.30
			Max Conservation:	1242.00

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	184.0	155.4	184-210	Below Low	832.0 (2010)	184.0
	Kalabagh	950	205.7	198.1	205-215	-do-	950.0 (1942)	219.7
	Chashma	950	199.8	189.4	200-210	-do-	1038.9 (2010)	234.0
	Taunsa	1100	153.9	127.4	No Sig. change	-do-	960.0 (2010)	207.5
	Guddu	1200	99.5	75.9	-do-	-do-	1199.7 (1976)	176.6
	Sukkur	1500	66.1	18.9	-do-	-do-	1166.6 (1986)	135.5
	Kotri	875	80.5	38.2	-do-	-do-	980.3 (1956)	82.5
KABUL	Nowshera	-	68.8	68.8	65-70	Low	391.3 (1990)	96.6
JHELUM	Mangla	1060	44.0	35.9	40-60	Below Low	1090.0 (1992)	70.0
	Rasul	850	36.1	15.8	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	63.9	32.9	55-65	-do-	1100.0 (1957)	69.3
	Khanki	1100	34.2	26.1	No Sig. change	-do-	1086.5 (1959)	37.9
	Qadirabad	807	38.7	19.1	-do-	-do-	948.5 (1992)	45.0
	Trimmu	645	25.7	8.3	-do-	-do-	944.0 (1928)	42.3
	Punjnad	700	22.1	8.3	-do-	-do-	802.5 (1973)	33.8
RAVI	Jassar	275	4.7	4.7	-do-	-do-	680.0 (1955)	5.3
	Shahdara	250	16.2	16.2	-do-	-do-	576.0 (1988)	16.2
	Balloki	225	31.2	4.7	-do-	-do-	389.8 (1988)	31.9
	Sidhnai	150	16.1	0.0	-do-	-do-	330.2 (1988)	17.3
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	0.7
	Sulemanki	325	15.6	2.3	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.4	0.0	-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)
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BULLETIN No. C-015/24

Dated: - 29th June, 2024
Time: - 11:00 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR
RIVERS' CATCHMENTS' (30th -June, 2024 to 06th-July, 2024)

➤ **RAINFALL OUTLOOK:**

- Moderate to heavy rainfall is likely to start over the upper catchments of all the major rivers from 2nd July 2024.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

Flows are likely to increase in all the major rivers and their tributaries from 4th July 2024.

Note: This forecast is updated on daily basis.

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(Shahid Abbas)
Chief Meteorologist
FFD Lahore