



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

**BULLETIN No. A-063/24**

**Dated: 16<sup>th</sup> August, 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:**

River Indus at Guddu, Sukkur and River Chenab at Khanki are at **Medium** flood level, while River Indus at Tarbela, Kalabagh, Chashma, Taunsa and River Kabul at Nowshera are at Low flood level.

During 16<sup>th</sup> to 18<sup>th</sup> August:

**Alert:** **Medium to High** level flash flooding are expected hill torrents in DG Khan division and Nullahs in Sibbi, Nasirabad, Zhob and Kalat divisions. Light to moderate flash flood is also expected in Larkana and Hyderabad (Dadu and Naushahro Feroze Districts) Divisions.

**II: METEOROLOGICAL FEATURES:**

- a) Yesterday's trough of Strong Westerly Wave over Northeastern parts of Iran today lies over Northern parts of Afghanistan.
- b) Yesterday's upper air cyclonic circulation over Northeast Rajasthan today lies over Northwest Rajasthan and adjoining Pakistan.
- c) Moderate to strong moist currents are penetrating the most parts of the country from the Arabian Sea, while light to moderate currents are coming from the Bay of Bengal up to 5,000 feet.
- d) Southwest wind speed divergence lies over East Sindh, Rajasthan and southeast wind speed divergence over Indian Punjab, while directional convergence lies over south Punjab and adjoining Sindh.
- e) Seasonal Low lies over northeast Balochistan.

**III: WEATHER FORECAST FOR NEXT 24-HOURS:**

Scattered Thunderstorm rain of moderate intensity with Isolated **HEAVY** falls is expected over the upper catchments of all the major rivers and Khyber Pakhtunkhwa, along with Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal and Multan divisions. Widespread thunderstorm rain of moderate intensity with isolated heavy falls is expected over Islamabad & Sindh along with Rawalpindi, DG Khan, Bahawalpur, Zhob, Nasirabad, Sibbi and Kalat divisions.

**IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:**

Wet spell is likely to continue.

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

Indus:	Islamabad [Saidpur=64, Golra=30, PMD Headquarters=11, New Airport=04, Shamsabad & Bokra=02(each), Chaklala (Airbase & Katcheri)=01(each)], Bhakkar=64, D.I.Khan (City=60 & Airport=14), Tarbela=51, Malam Jabba=35, Shinkiar=34, Layyah (Kror) & Daggar=33(each), Mianwali (Airbase)=32, Kohat Airbase=30, Astore=20, Kakul & Attock=18(each), Kamra (Airbase)=16, Bosak Bridge=14, Peshawar (City=13, Bacha Khan Airport=04, Airbase=01), Oghi, Bagrote & Jacobabad=12(each), Larkana & Bannu=10(each), Khaar-Bajaur & Phulra=09(each), Murree=06, Tanda Dam=05, Saidu Sharif=04, Dir=03, Ghalanai, Mardan, Takht Bai, Skardu, Pashat-Bajaur & Kurram Garhi=02(each), Barkhan, Buner, Risalpur, Cherat, Lower Dir & Warsak Dam=01(each), Kabul, Bunji, Chilas, Mamad Gut, Moin-Jo-Daro, Chakdara & Gilgit=Trace(each).
Jhelum:	Mangla=55, Garhi Dopatta=49, Muzaffarabad (Airport=31 & City=07), Domel=28, Jhelum & Balakot=13(each), Chattr Kallas=08, Joharabad=07, Kallar & Chakwal=05(each), Rawalakot & Dhulli=04(each), Sargodha (Airbase=01 & City=Trace), Bandi Abbaspur, Mandibahauddin & Chakothi=01(each), Kotli & Tandali=Trace(each).
Chenab:	Shorkot (Airbase)=22, Gujranwala [Liqat Bagh=15, Sheranwala Bagh=05, Model Town=04, Peoples Colony=02, City=01], Marala=02, Kot Addu=Trace.
Ravi:	Khanewal=39, Faisalabad [Madina Town=26, Gulistan Colony=10, Dogar Basti=09], Narowal=21, Okara=13, T.T. Singh=04.
Sutlej:	Bahawalpur (City)=Trace.
Others:	Loralai=16, Sibbi=13, Khuzdar=06, Muslim Bagh=03, Zhob=02, Karachi [Airport & Gulshan e Hadeed=02(each), Faisal Base, University Road, Masroor & Jinnah Terminal=01(each), North Karachi=Trace], Ziarat=Trace.

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**(Shahid Abbas)**  
Chief Meteorologist  
FFD Lahore



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Dated: - 16<sup>th</sup> August, 2024  
Time: - 11:20 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	Scattered thunderstorm rain	Widespread thunderstorm rain (Rawalpindi Division)	<b>TARBELA</b> Current: 1549.00 Max. Conservation: 1550.00 Live Storage 98.9% <b>MANGLA</b> Current: 1212.30 Max Conservation: 1242.00 Live Storage 69.6%
JHELUM	-do-	Scattered thunderstorm rain (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	Widespread 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	313.0	281.3	290-310	Low	832.0 (2010)	350.0
	Kalabagh	950	317.8	309.8	320-340	-do-	950.0 (1942)	401.7
	Chashma	950	313.2	299.5	310-340	-do-	1038.9 (2010)	432.7
	Taunsa	1100	352.0	324.5	340-355	-do-	960.0 (2010)	442.2
	Guddu	1200	391.9	385.6	390-410	Medium	1199.7 (1976)	431.3
	Sukkur	1500	380.9	350.0	340-380	-do-	1166.6 (1986)	393.0
	Kotri	875	201.9	162.6	200-210	Low	980.3 (1956)	201.9
KABUL	Nowshera	-	61.3	61.3	60-80	-do-	391.3 (1990)	114.2
JHELUM	Mangla	1060	30.0	10.0	30-60	Below Low	1090.0 (1992)	114.6
	Rasul	850	12.8	8.0	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	87.5	69.7	70-100	-do-	1100.0 (1957)	178.8
	Khanki	1100	159.5	151.4	70-90	-do-	1086.5 (1959)	177.1
	Qadirabad	807	163.2	145.2	170 F 100	Medium to Low	948.5 (1992)	163.2
	Trimmu	645	76.0	62.6	No Sig. change	Below Low	944.0 (1928)	78.8
	Punjad	700	55.1	42.2	-do-	-do-	802.5 (1973)	55.1
RAVI	Jassar	275	37.8	37.8	40-55	Low	680.0 (1955)	37.8
	Shahdara	250	13.3	13.3	30-45	-do-	576.0 (1988)	24.8
	Balloki	225	41.3	12.8	40-65	-do-	389.8 (1988)	53.1
	Sidhnai	150	27.4	13.7	No Sig. change	Below Low	330.2 (1988)	32.3
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	18.7	7.5	-do-	-do-	598.9 (1955)	46.2
	Islam	300	6.3	5.0	-do-	-do-	492.6 (1955)	10.6

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-063/24

Dated: 16<sup>th</sup> August, 2024  
Time: 11:20 hours (PST)

**SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (17<sup>th</sup>-August, 2024 to 23<sup>rd</sup>-August, 2024)**

➤ **RAINFALL OUTLOOK:**

Monsoon activity of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls is expected over the upper catchments of all the major rivers.

➤ **FLOOD SITUATION IN MAJOR RIVERS:**

No High flood situation is expected in any of the Major rivers.

**Note:** This forecast is updated on daily basis.

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