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

BULLETIN No. A-075/24 **Dated: 28th 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 Kotri is at **Medium** flood level, while at Tarbela, Guddu and Sukkur, it is at Low flood level.

Warning: (up to 31st August):

FLASH FLOODING is expected in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat divisions). Urban flooding is expected in Metropolitan cities of Sindh.

II: METEOROLOGICAL FEATURES:

a) Yesterday's **DEEP DEPRESSION** over north Gujarat today lies over northwest Gujarat (India) and adjoining southeast Sindh.
b) Yesterday's trough of westerly wave over northeast Afghanistan today lies over northern parts of the country.
c) Light to moderate moist currents from Bay of Bengal are penetrating the upper catchments of all the major rivers. While **STRONG MOIST CURRENTS** are penetrating from both sources into south Sindh and adjoining areas up to 10,000 feet.
d) Yesterday's Low pressure area over Jharkhand has weakened into trough.
e) Seasonal Low lies over northwest Balochistan.

III: WEATHER FORECAST FOR 72-HOURS:

Scattered thunderstorm rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the major rivers along with Islamabad, Khyber Pakhtunkhwa, Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad and Sahiwal divisions.

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Loralai, Sibbi, Nasirabad, Kalat and Makran divisions) and south Punjab (DG Khan, Multan and Bahawalpur divisions)**.

IV: WEATHER Outlook During up to 31st August:

Wet spell over lower half of the country, with same intensity is likely to continue up to 31st August. However, monsoon activity is likely to decrease over upper half of the country from 30th August.

V: RIVERS CATCHMENTS RAINFALL RECORDED > 02 (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Mithi=71, Khanpur=48, Badin=46, Thatta=43, Bhakkar & Layyah(Karor)=35(each), Mianwali(Airbase)=32, Bhandu Wala=28, Tando Jam & Parachinar=26(each), D.I.Khan [City & Airport=25(each)], Chhor & Sakrand=23(each), Murree=21, Mirpur Khas=20, Hyderabad [City & Airport=20(each)], Islamabad [Chaklala (Airbase) =18, New Airport & Shamsabad=13(each), Zeropoint & Saidpur=11(each), Bokra=10, Golra=09), D.G Khan(Airport=18, Fort Munro=17, Vehova=09), Shaheed Benazirabad=18, Daggar & Shinkiari=15(each), Phulra=14, Oghi=11, Kohat Airbase=08, Kamra (Airbase)=05, Bosak Bidge=04, Rahim Yar Khan, Tarbela, Attock & Pattan=03(each).
Jhelum:	Palandri=74, Chakwal=45, Muzaffarabad (Airport=40 & City=18), Domel=30, Kallar=24, Rawalakot=17, Mandibahauddin=16, Joharabad=12, Jhelum=11, Chakothi=10, Sargodha (Airbase=08 & Sargodha City=04), Chattar Kallas & Dhulli=09, Mangla & Kotli=08(each), Garhi Dopatta=06, Sharda=05, Bandi Abbaspur & Baba Shah Jalal=04(each).
Chenab:	Multan (Chungi No.09=235, Kirri Jamandan=190, Shujaabad=116, Airport=109, City=87), Shorkot (Airbase)=58, Kot Addu=42, Jhang=15, Barnala=11, Noorpur Thal=09, Hafizabad=08, Gujranwala=03.
Ravi:	Khanewal=48, Sahiwal=33, Okara=24, T.T. Singh=21, Faisalabad (City=20, Madina Town=19, Dogar Basti=17, Gulistan Colony=14, Allama Iqbal Colony & Gulam Muhammand Abad=11(each), Sheikhupura=09, Lahore [Airport=08, Jail Road=07, Gulburg=05, Shahdara=04, Luckshami, Misri Shah& Mughal Pura=03(each)].
Sutlej:	Bahawalnagar=44, Bahawalpur (City=30, Airport=26), Kasur=24.
Others:	Karachi [Gulshan-e-Hadeed=62, Bin Qasim=44, Surjani Town=19, University Road=17, Kemari=15, DHA & Jinnah Terminal =13(each), Faisal Base & Airport=12(each), Quaidabad=11, Gadap Town, Saddar, & Gulshan-e-Maymar=10(each), Nazimabad &North Karachi=08(each), Orangai Town=05],

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(Shahid Abbas)
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GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000

BULLETIN No. B-075/24

Dated: - 28th 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)
INDUS	Scattered thunderstorm rain	Scattered thunderstorm rain (Rawalpindi Division)
JHELUM	-do-	-do- (Sargodha Division)
CHENAB	-do-	-do- (Gujranwala Division)
RAVI	-do-	-do- (Lahore Division)
SUTLEJ	-do-	Widespread thunderstorm rain (Bahawalpur Division)

RESERVOIRS LEVEL (FEET) at (0600 PST)

TARBELA
Current: 1550.00
Max. Conservation: 1550.00
Live Storage 100.00%

MANGLA
Current: 1217.50
Max Conservation: 1242.00
Live Storage 74.58%

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	175.0	256.3	160-180	Below Low	832.0 (2010)	350.0
	Kalabagh	950	235.9	230.0	230-250	-do-	950.0 (1942)	401.7
	Chashma	950	213.0	192.2	No Sig. change	-do-	1038.9 (2010)	432.7
	Taunsa	1100	179.0	163.5	-do-	-do-	960.0 (2010)	442.2
	Guddu	1200	278.0	278.0	240-270	Low	1199.7 (1976)	431.3
	Sukkur	1500	311.5	307.5	280-310	Medium to Low	1166.6 (1986)	401.1
	Kotri	875	322.5	320.8	325-335	Medium	980.3 (1956)	322.5
KABUL	Nowshera	-	35.4	35.4	35-50	Below Low	391.3 (1990)	114.2
JHELUM	Mangla	1060	35.0	8.0	20-40	-do-	1090.0 (1992)	114.6
	Rasul	850	15.1	11.9	No Sig. change	-do-	952.2 (1992)	66.1
CHENAB	Marala	1100	61.4	32.9	60-70	-do-	1100.0 (1957)	178.8
	Khanki	1100	45.6	37.6	No Sig. change	-do-	1086.5 (1959)	177.1
	Qadirabad	807	36.7	18.7	-do-	-do-	948.5 (1992)	163.2
	Trimmu	645	34.4	23.2	-do-	-do-	944.0 (1928)	96.3
	Punjnad	700	54.7	49.7	-do-	-do-	802.5 (1973)	72.3
RAVI	Jassar	275	7.1	7.1	3-10	-do-	680.0 (1955)	40.4
	Shahdara	250	15.4	15.4	No Sig. change	-do-	576.0 (1988)	28.0
	Balloki	225	40.5	19.7	-do-	-do-	389.8 (1988)	56.3
	Sidhnai	150	21.2	14.2	-do-	-do-	330.2 (1988)	32.8
SUTLEJ	G.S. Wala	--	0.4	0.4	-do-	-do-	837.0 (1955)	19.7
	Sulemanki	325	17.1	11.6	-do-	-do-	598.9 (1955)	46.2
	Islam	300	7.5	7.5	-do-	-do-	492.6 (1955)	12.5

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)

--sd/--
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46-JAIL ROAD LAHORE-54000

BULLETIN No. C-075/24

Dated: 28th August, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (29th-August, 2024 to 04th -September, 2024)

➢ RAINFALL OUTLOOK:

Warning: Widespread thunderstorm rain of **HEAVY TO VERY HEAVY** intensity with isolated **EXTREMELY HEAVY** falls may occur over **Sindh (all divisions) and Balochistan (Zhob, Sibbi, Nasirabad, Loralai, Kalat and Makran divisions) and South Punjab (DG Khan, Multan and Bahawalpur divisions),** up to 31st August.

➢ FLOOD SITUATION IN MAJOR RIVERS:

No significant change is expected in the flows of any of the major rivers.

Warning (up to 31st August):

FLASH FLOODING is expected in the areas along Kirthar ranges (Jacobabad, Qambar Shahdadkot, Dadu and Jamshoro districts) and Sulaiman ranges (DG Khan and Rajanpur districts) including nullahs in Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat division). Urban flooding is also expected in the metropolitan cites of Sindh.

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Note: This forecast is updated on daily basis.

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