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

BULLETIN No. A-046/24 **Dated: - 30th July, 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 Kalabagh is in low flood level, while all the other major rivers are flowing below Low flood level.

Alert: During 01st to 4th August, **Medium** to **High level** flood is expected in rivers **Jhelum Upstream Mangla**, **Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and Chenab catchments.
Low to Medium level flows are expected in River Indus at Tarbela, hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat divisions.

II: METEOROLOGICAL FEATURES:

a) Yesterday's trough of Strong Westerly Wave over northern parts of Afghanistan today lies over northern parts of the country.
b) Yesterday's Monsoon Low over central Madhya Pradesh moved westwards rapidly and today lies over southeast Sindh and adjoining areas.
c) Moderate moist currents are penetrating most parts of the country from the Arabian Sea and Bay of Bengal up to 5000 feet.
d) Core of the Jetstream, with wind speeds more than 110 knots, lies over north of country.
e) Seasonal low lies over northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 48-HOURS:

Scattered to widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Isolated **VERY HEAVY** rainfall is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore and DG Khan divisions. Scattered thunderstorm rain with Isolated **Heavy Falls** is also expected over Sindh & Zhob, Sibbi, Nasirabad, Kalat, Multan, Bahawalpur, Sahiwal and Faisalabad divisions.

IV: WEATHER OUTLOOK DURING 01st TO 04th August:

Alert: Widespread thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore, Multan, DG Khan, Zhob, Sibbi, Nasirabad and Kalat Divisions. Scattered thunderstorm rain with Isolated **Heavy Falls** is also expected over Sindh & Bahawalpur, Sahiwal and Faisalabad Divisions.

V: RIVERS CATCHMENTS RAINFALL RECORDED >05 (MM) DURING LAST 24-HRS (UPTO 0800 PST):

Indus:	Cherat=88, Islamabad [Chaklala (Airbase)=81, Shamsabad=68, Saidpur=59, Chhor=58, Katcheri(Chaklala)=56, Golra=55, PMD Headquarters=45, Bokra=38, New Airport=14], Mamad Gut=75, Risalpur=64, Kamra (Airbase)=63, Malam Jabba=54, Tarbela=53, Dir=50, Khawagoobo Bridge & Khaar-Bajaur=39(each), Takht Bai & Saidu Sharif=33(each), Attock=32, Ghalanai=31, Phulra=30, Bosak Bidge=28, Shinkiari=24, Murree=23, Kohat Airbase=20, Peshawar (Airbase=20, Bacha Khan Airport=16, City=14), Barkhan=19, Khairpur=18, Kakul=16, Jacobabad & Larkana=15, Besham=14, Mirkhani=13, Chowni Bridge Citral, Lower Dir & Warsak Dam=12(each), Darashoot=09, Shishi Dsrosh, Kalam, Drosh & Tanda Dam=06(each).
Jhelum:	Sargodha (City=44 & Airbase=36), Balakot=42, Palandri=37, Mandibahauddin=30, Muzaffarabad (City=21 & Airport=17), Kotli & Chakothi=17(each), Kallar=15, Mangla=13, Chakwal=11, Dhulli & Chattar Kallas=10(each), Domel=08, Garhi Dopatta=07.
Chenab:	Jhang=26, Noorpur Thal=16, Shorkot (Airbase)=06.
Ravi:	Faisalabad [Madina Town=71, Dogar Basti=68, Gulam Muhammand Abad=67, Gulistan Colony=65, Allama Iqbal Colony=57, City=10], T.T. Singh=64, Okara=46, Sahiwal=08.
Sutlej:	Bahawalpur (City=14 & Airport=07).
Others:	Karachi [Surjani Town=34, Masroor=10, Orange Town=07], Sibbi=31, Loralai=19, Ziarat=18.

--sd/--
(Shahid Abbas)
Chief Meteorologist
FFD Lahore

www.ffd.pmd.gov.pk | Email: ffdlhr@yahoo.com
Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax:04299200209 & 5367

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

BULLETIN No. B-046/24

Dated: - 30th July, 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 to Widespread thunderstorm/rain	Scattered to widespread thunderstorm/rain (Rawalpindi Division)
JHELUM	-do-	-do- (Sargodha Division)
CHENAB	-do-	-do- (Gujranwala Division)
RAVI	-do-	-do- (Lahore Division)
SUTLEJ	-do-	Scattered thunderstorm/rain (Bahawalpur Division)

RESERVOIRS LEVEL (FEET) at (0600 PST)

TARBELA
Current: 1521.99
Max. Conservation: 1550.00
Live Storage 73.3%

MANGLA
Current: 1201.10
Max Conservation: 1242.00
Live Storage 59.3%

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	265.0	170.5	265-290	Low	832.0 (2010)	296.0
	Kalabagh	950	263.3	255.3	240-280	-do-	950.0 (1942)	263.3
	Chashma	950	252.7	235.0	240-270	-do-	1038.9 (2010)	273.4
	Taunsa	1100	222.3	196.3	No Sig. change	Below Low	960.0 (2010)	227.0
	Guddu	1200	176.7	145.4	-do-	-do-	1199.7 (1976)	192.9
	Sukkur	1500	126.0	76.7	-do-	do-	1166.6 (1986)	140.3
	Kotri	875	75.7	42.6	-do-	-do-	980.3 (1956)	84.7
KABUL	Nowshera	-	56.9	56.9	55-80	Low	391.3 (1990)	96.6
JHELUM	Mangla	1060	36.0	10.0	50 R 140 (Sharp peak of High level)	Low to Medium	1090.0 (1992)	114.6
	Rasul	850	7.7	5.3	No Sig. change	Below Low	952.2 (1992)	66.1
CHENAB	Marala	1100	79.9	52.8	60-90	-do-	1100.0 (1957)	98.9
	Khanki	1100	64.3	56.4	60-80	-do-	1086.5 (1959)	95.1
	Qadirabad	807	68.3	48.7	60-70	-do-	948.5 (1992)	93.1
	Trimmu	645	29.4	13.9	No Sig. change	-do-	944.0 (1928)	46.5
	Punjnad	700	13.9	0.0	-do-	-do-	802.5 (1973)	35.2
RAVI	Jassar	275	10.3	10.3	5-15	-do-	680.0 (1955)	26.8
	Shahdara	250	18.9	18.9	18-25	-do-	576.0 (1988)	24.8
	Balloki	225	38.9	10.5	No Sig. change	-do-	389.8 (1988)	48.3
	Sidhnai	150	21.8	7.2	-do-	-do-	330.2 (1988)	24.6
SUTLEJ	G.S. Wala	--	1.0	1.0	-do-	-do-	837.0 (1955)	5.4
	Sulemanki	325	17.3	4.1	-do-	-do-	598.9 (1955)	46.2
	Islam	300	2.9	0.8	-do-	-do-	492.6 (1955)	8.6

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)

--sd/--
(Shahid Abbas)
Chief Meteorologist
FFD Lahore

www.ffd.pmd.gov.pk | Email: ffdlhr@yahoo.com
Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax:04299200209 & 5367

GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION

46-JAIL ROAD LAHORE-54000

BULLETIN No. C-046/24

Dated: 30th July, 2024
Time: 11:20 hours (PST)

SUBJECT: -WEEKLY SIGNIFICANT WEATHER OUTLOOK FOR RIVERS' CATCHMENTS' (31st-July, 2024 to 06th-August,2024)

➢ RAINFALL OUTLOOK:

WIDESPREAD thunderstorm rain of **MODERATE to HEAVY** intensity with Scattered **VERY HEAVY** falls and isolated **EXTREMELY HEAVY** rainfall is expected over the upper catchments of all the major rivers along with Khyber Pakhtunkhwa, Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore, Multan, DG Khan, Zhob, Sibbi, Nasirabad and Kalat Divisions. Scattered thunderstorm rain with Isolated **Heavy Falls** is also expected over Sindh & Bahawalpur, Sahiwal and Faisalabad Divisions.

➢ FLOOD SITUATION IN MAJOR RIVERS:

Alert: During 01st to 4th August, Medium to **High level** flood is expected in rivers **Jhelum Upstream Mangla**, **Kabul** and its tributaries & **Chenab** at Marala, Khanki and Qadirabad along with nullahs of Rivers **Ravi** and Chenab catchments.

Low to Medium level flows are expected in River Indus at Tarbela, hill torrents of DG Khan division and nullahs of Zhob, Sibbi, Nasirabad, and Kalat Divisions.

Note: This forecast is updated on daily basis.

--sd/--
(Shahid Abbas)
Chief Meteorologist
FFD Lahore

www.ffd.pmd.gov.pk | Email: ffdlhr@yahoo.com
Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax:04299200209 & 5367