



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

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DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY JULY 27, 2021

All main rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej are discharging "Normal Flows" and at present there is no riverine flood situation in the country. **Annexure-I, Section-A, Column-3 Vs 5** shows good inflows in western rivers (Indus, Jhelum & Chenab) at their respective first control points owing to healthier rainfall in the catchment areas. This has augmented appreciable increase in storages of country's major reservoirs. Today's Combined Live Storage of major reservoirs (Tarbela, Mangla & Chashma) is **6.608 MAF (i.e. 49% of total value of 13.516 MAF)**.

2. Moderate moist currents from Arabian Sea & Bay of Bengal (India) are penetrating into upper parts of the country up to 5000 feet whereas yesterday's Low-Pressure Area over Northwestern Madhya Pradesh (India) has weakened. Trough of Westerly Wave continues to persist over Northern parts of Afghanistan with Seasonal Low continues to prevail over Northern Balochistan.

3. FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & D.G. Khan Divisions of Punjab Province including upper catchments of all main rivers during the upcoming 24 hours. Further to above, during the same period, isolated thunderstorm/rain may also occur over Sahiwal, Multan & Bahawalpur Divisions (Punjab) and Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa. Some of the prominent rainfall events for the past 24 hours may be seen at **Annexure-II**.

4. **Rainfall-Flood Prediction for next 72 Hours (28th-30th July 2021):**

- Fairly widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** and one or two **Extremely Heavy Falls** are expected over Northern & Northeastern Punjab including upper catchments of all main rivers. Scattered thunderstorm/rain with one or two **Heavy Falls** may also occur over D.G. Khan Division of Punjab and Peshawar, Kohat, Banu & D.I. Khan Divisions of Khyber Pakhtunkhwa Province.
- **High to Very High Floods** is expected in river **Jhelum (upstream Mangla)** and in river **Chenab at Marala, Khanki & Qadirabad** Headworks. **Medium to High Floods** is also expected in the nullahs of rivers **Chenab and Ravi**, besides, **Low to Medium Floods** in river **Indus at Tarbela (upstream)**.

5. All concerned authorities are strictly advised to remain **ALERT on ROUND-THE-CLOCK BASIS**, monitor the weather and flood situation closely and ensure fool proof precautionary measures well in time to avoid any loss of precious human lives and damage to important installations including public & private properties.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all the concerned informed through FFD, Lahore.

(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

Distribution:

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27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
43. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 27-07-2021

Rivers and Reservoir Positions July 27, 2021 at 0600 Hours

A. River Flow Situation:

Structures	Designed Capacity	Last Year Flow		Today Actual Flow		Comparative Danger (VHF) Classification	Flood Classification* (Based on today's Outflow)
		Inflow	Out Flow	In Flow	Out Flow		
1	2	3	4	5	6	7	8
River Indus							
▪ Tarbela Reservoir	1,500,000	152,000	146,000	228,000	136,000	650,000	Normal
▪ Kalabagh	950,000	205,000	197,000	167,000	160,000	650,000	Normal
▪ Chashma Reservoir	950,000	206,000	199,000	197,000	180,000	650,000	Normal
▪ Taunsa	1,000,000	199,000	175,000	172,000	151,000	650,000	Normal
▪ Guddu	1,200,000	167,000	128,000	165,000	121,000	700,000	Normal
▪ Sukkur	900,000	117,000	62,000	127,000	70,000	700,000	Normal
▪ Kotri	875,000	66,000	31,000	38,000	1,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		31,000		26,000	200,000	Normal
▪ Nowshera			47,000		37,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			14,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		10,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		9,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	30,000	35,000	50,000	10,000	225,000	Normal
▪ Rasul	850,000	24,000	16,000	10,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	60,000	30,000	107,000	74,000	400,000	Normal
▪ Khanki	1,100,000	30,000	23,000	99,000	93,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	96,000	76,000	400,000	Normal
▪ Trimmu	875,000	20,000	6,000	29,000	13,000	450,000	Normal
▪ Panjnad	865,000	32,000	17,000	47,000	32,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		24,000		6,000	150,000	Normal
▪ Shahdara	250,000		25,000		27,000	135,000	Normal
▪ Balloki	380,000	38,000	8,000	40,000	11,000	135,000	Normal
▪ Sidhnai	150,000	23,000	13,000	29,000	13,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	18,000	5,000	14,000	2,000	175,000	Normal
▪ Islam	332,000	9,000	6,000	2,000	1,000	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-AMSL)	Water Level (Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1517.75	1459.22	1497.60	5.882	1.571	3.140	53.38 %
Chashma	649.00	638.15	642.00	648.00	646.70	0.278	0.227	0.176	63.30 %
Mangla	1242.00	1050.00	1183.40	1228.80	1182.15	7.356	6.329	3.292	45.00 %
Total Live Storage						13.516	8.127	6.608	49.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	32.6 °C	38.2 °C
Minimum	17.4 °C	19.0 °C

NOTES: "Mild" Categories

Low Flood:	River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas
Medium Flood:	River partly inundating river islands/belas
High Flood:	River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories

Very High Flood (VHF):	River flowing between high banks/bunds with encroachment on the freeboard
Exceptionally High Flood (EHF):	Imminent danger of overtopping/breaching, or the high bank areas have become inundated

* Flood Classification: (applied on downstream discharge/Outflow)

* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Mangla	60
2.	Islamabad	49
3.	Rohtas	40
4.	Sialkot	36
5.	Narowal	35
6.	Gujrat	07
7.	Daulatnagar & Shakar Garh	05 each
B	Khyber Pakhtunkhwa	
8.	Balakot	75
9.	Takht Bai & Mardan	20 each
10.	Shinkiari, Besham & Pattan	05 each
C	AJ & K	
11.	Bandi Abbaspur	33
12.	Brarkot	15
13.	Jhelum & Muzaffarabad	05 each

Source: FFD, Lahore (Phone No. 042 99200139)