



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

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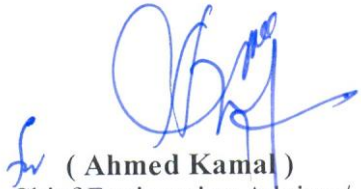
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY JULY 15, 2021

All main rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej are flowing with normal flows and there is no riverine flood situation in the country. For river inflows/ outflows at important locations alongwith major reservoirs water levels & storage positions **Annexure-I** is referred. At present the Combined Live Storage of Tarbela, Chashma & Mangla reservoir is **3.834 MAF (28.36%** of Maximum Combined Live Storage of **13.516 MAF**).

2. Moist currents from Bay of Bengal and Arabian Sea are penetrating into lower half of the country up to 5000 feet. Yesterday's Monsoon low-pressure area over South Chattisgarh (India) has moved Westwards and presently lies over South-Eastern parts of Maharashtra (India) while strong trough of Westerly Wave over Kashmir has moved away Eastward. Weak Seasonal Low lies over Northern Balochistan. Yesterday's upper air circulation continues to prevail over Southern parts of Karachi in Arabian Sea.

3. As predicted by the FFD, Lahore, isolated thunderstorm/rain is expected over Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Multan & D.G. Khan Divisions) and Khyber Pakhtunkhwa (Kohat, Bannu & D.I. Khan Divisions) including upper catchments of all the main rivers during the next 24 hours. Scattered thunderstorm/rain of moderate intensity with Isolated **Heavy Falls** may also occur over Sindh & Balochistan during the same period. Last 24 hours rainfall as reported by FFD, Lahore may be seen at **Annexure-II**.

4. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to its impact over Pakistan. All concerned are being kept fully abreast of the situation by FFD, Lahore.


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

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore
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21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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23. Chief Commissioner, Islamabad.
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25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
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 15-07-2021

Rivers and Reservoir Positions July 15, 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	153,000	148,000	225,000	148,000	650,000	Normal
▪ Kalabagh	950,000	226,000	218,000	168,000	160,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	201,000	193,000	650,000	Normal
▪ Taunsa	1,000,000	226,000	197,000	177,000	157,000	650,000	Normal
▪ Guddu	1,200,000	168,000	135,000	113,000	81,000	700,000	Normal
▪ Sukkur	900,000	122,000	65,000	78,000	30,000	700,000	Normal
▪ Kotri	875,000	71,000	28,000	26,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		34,000	200,000	Normal
▪ Nowshera			52,000		61,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			15,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		13,000		13,000	150,000	Normal
▪ Charsadda Road Bridge			11,000		11,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	32,000	24,000	50,000	8,000	225,000	Normal
▪ Rasul	850,000	13,000	5,000	8,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	63,000	30,000	68,000	34,000	400,000	Normal
▪ Khanki	1,100,000	21,000	14,000	42,000	35,000	400,000	Normal
▪ Qadirabad	900,000	22,000	NIL	44,000	24,000	400,000	Normal
▪ Trimmu	875,000	26,000	11,000	38,000	22,000	450,000	Normal
▪ Panjnad	865,000	16,000	NIL	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		7,000		8,000	150,000	Normal
▪ Shahdara	250,000		23,000		27,000	135,000	Normal
▪ Balloki	380,000	47,000	16,000	46,000	17,000	135,000	Normal
▪ Sidhnai	150,000	23,000	8,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	20,000	8,000	15,000	3,000	175,000	Normal
▪ Islam	300,000	4,000	3,000	2,000	NIL	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (Ft.-AMSL)	Minimum Operating Level (Ft.-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	1473.40	1458.07	1454.65	5.882	1.525	1.325	22.52%
Chashma	649.00	638.15	645.30	646.20	646.90	0.278	0.160	0.183	65.82%
Mangla	1242.00	1050.00	1163.50	1225.45	1162.80	7.356	6.082	2.326	31.62%
Total Live Storage						13.516	7.767	3.834	28.36%

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.8 °C	23.0 °C
Minimum	12.3 °C	15.4 °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.	Faisalabad	28
2.	Lahore, Mangla & Kallar	13 each
3.	Hafizabad	07
B	Sindh	
4.	Tando Jam	50
5.	Shaheed Benazirabad	14
6.	Karachi	12
7.	Sakrand	11
8.	Thatta	06
C	Khyber Pakhtunkhwa	
9.	Daggar	15
10.	Tarbela	13
11.	Cherat	09
12.	Peshawar	06
D	Balochistan	
13.	Barkhan & Gawadar	35 each
14.	Dalbadin	32
15.	Pasni	24
16.	Turbat	22
17.	Kalat & Jiwani	15 each
E	AJ&K	
18.	Palandri	18

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