



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk


DAILY WEATHER & FLOOD SITUATION REPORT
FRIDAY JULY 23, 2021

All main rivers i.e Indus, Jhelum, Chenab, Ravi and Sutlej are flowing with "Normal Discharges" and there is no riverine flood situation in the country. Comparison of inflows mentioned under Column-3 & 5, Section-A, **Annexure-I**, shows good inflows in river Indus, Jhelum and Chenab as compared to corresponding period of last year. This has resulted in augmenting appreciable water storage in Tarbela and Mangla Dam respectively during the current week. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.852 MAF (43.29%** of the total Combined Live Storage Capacity of **13.516 MAF**).

2. Yesterday's Low-Pressure Area over Northwestern Bay of Bengal has remained stationary and intensified into Well Marked Low. Weak Seasonal Low continues to prevail over Northern Balochistan whereas weak moist currents from Arabian Sea and Bay of Bengal (India) are penetrating into upper parts of the country up to 3000 feet.

3. Isolated thunderstorm/rain over Punjab (Lahore, Gujranwala & D.G. Khan Divisions), Sindh and Eastern Balochistan including the upper catchments of rivers Chenab & Ravi have been predicted by FFD, Lahore for the next 24 hours. No significant rainfall event has been reported in the country during the past 24 hours except for Dir (Khyber Pakhtunkhwa) = 13 mm.

4. 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:

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.
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11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad
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13. Chairman, National Highway Authority, Islamabad.
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18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
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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/ CFCC Islamabad.

U.O. No. FC-I (31)/2021, dated 23-07-2021

Rivers and Reservoir Positions July 23, 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	164,000	141,000	214,000	99,000	650,000	Normal
▪ Kalabagh	950,000	206,000	198,000	184,000	179,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	211,000	204,000	191,000	184,000	650,000	Normal
▪ Taunsa	1,000,000	216,000	191,000	215,000	186,000	650,000	Normal
▪ Guddu	1,200,000	186,000	155,000	177,000	135,000	700,000	Normal
▪ Sukkur	900,000	140,000	82,000	111,000	55,000	700,000	Normal
▪ Kotri	875,000	62,000	19,000	25,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		30,000	200,000	Normal
▪ Nowshera			49,000		67,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			14,000		18,000	150,000	Normal
▪ Munda Head Works	150,000		10,000		13,000	150,000	Normal
▪ Charsadda Road Bridge			9,000		10,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	32,000	13,000	54,000	7,000	225,000	Normal
▪ Rasul	850,000	8,000	NIL	8,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	60,000	30,000	62,000	34,000	400,000	Normal
▪ Khanki	1,100,000	45,000	37,000	54,000	48,000	400,000	Normal
▪ Qadirabad	900,000	42,000	20,000	57,000	37,000	400,000	Normal
▪ Trimmu	875,000	23,000	8,000	104,000	88,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	20,000	5,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		5,000		9,000	150,000	Normal
▪ Shahdara	250,000		22,000		25,000	135,000	Normal
▪ Balloki	380,000	46,000	21,000	61,000	32,000	135,000	Normal
▪ Sidhnai	150,000	25,000	14,000	21,000	4,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	22,000	12,000	14,000	3,000	175,000	Normal
▪ Islam	300,000	6,000	4,000	2,000	1,000	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	1501.85	1460.16	1487.91	5.882	1.609	2.705	45.98 %
Chashma	649.00	638.15	645.50	648.00	646.40	0.278	0.227	0.166	59.71 %
Mangla	1242.00	1050.00	1170.00	1228.35	1176.25	7.356	6.296	2.981	40.52 %
Total Live Storage						13.516	8.132	5.852	43.29 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	25.6 °C	26.4 °C
Minimum	13.2 °C	15.2 °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"

* FFC, Flood Communication Cell Duty Officer No. 051-9244616