



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
SATURDAY JULY 10, 2021

All main rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing normal. River inflows/ outflows at important locations alongwith major reservoir water levels & storage position may be seen at **Annexure-I**. Present Combined Live Storage of three main reservoirs is **2.858 MAF (21.14 % of 13.516 MAF)**.

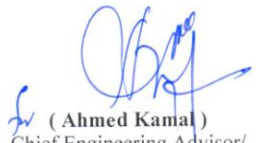
2. As per FFD, Lahore, yesterday's strong trough of Westerly Wave over North-western Afghanistan today lies over Northern Afghanistan with Seasonal Low over Northern Balochistan. Moist currents from Bay of Bengal and Arabian Sea are penetrating into the upper parts of the country up to 5000 feet.

3. FFD, Lahore has predicted scattered thunderstorm/rain of light to moderate intensity with isolated **Heavy Falls** over Punjab (Rawalpindi, Sargodha, Gujranwala & Lahore Divisions) including upper catchments of all the major rivers, besides, isolated thunderstorm/ rain over Faisalabad & D.G. Khan Divisions of Punjab and Balochistan (Kalat Division) during the next 24 hours. Significant rainfall events reported during the past 24 hours include: Hafizabad = 63 mm, Jhelum = 42 mm, Lasbela = 15 mm & Panjgur = 10 mm.

4. For the ensuing 72 hours, FFD, Lahore has predicted scattered to fairly widespread thunderstorm/rain of moderate intensity with isolated **Heavy Falls** over upper catchments of all the major rivers including Rawalpindi, Gujranwala, Sargodha & Lahore Divisions of Punjab. Scattered thunderstorm/rain of moderate intensity may also occur over Punjab (Faisalabad, Sahiwal, Multan, D.G. Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) and Northeastern Balochistan during the same period. This may result into increase in inflows of Rivers Jhelum (up-stream) and Chenab including Nullahs of Rivers Ravi, Chenab & Hill Torrents of D.G. Khan Division from **12th July 2021** onwards.

5. All concerned authorities are advised to remain **ALERT**, monitor the weather situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties.

6. FFD, Lahore, is monitoring the current weather situation on Round-the-Clock basis and keeping all informed as per its SOPs.


(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.

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7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
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11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
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.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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 10-07-2021

Rivers and Reservoir Positions July 10, 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	169,000	153,000	162,000	151,000	650,000	Normal
▪ Kalabagh	950,000	210,000	202,000	167,000	161,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	217,000	210,000	170,000	160,000	650,000	Normal
▪ Taunsa	1,000,000	216,000	191,000	158,000	140,000	650,000	Normal
▪ Guddu	1,200,000	167,000	129,000	120,000	86,000	700,000	Normal
▪ Sukkur	900,000	134,000	78,000	79,000	31,000	700,000	Normal
▪ Kotri	875,000	49,000	7,000	32,000	1,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		36,000		27,000	200,000	Normal
▪ Nowshera			58,000		36,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			18,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		14,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			13,000		7,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	41,000	10,000	40,000	30,000	225,000	Normal
▪ Rasul	850,000	13,000	5,000	38,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	68,000	35,000	68,000	34,000	400,000	Normal
▪ Khanki	1,100,000	44,000	37,000	30,000	22,000	400,000	Normal
▪ Qadirabad	900,000	42,000	20,000	39,000	19,000	400,000	Normal
▪ Trimmu	875,000	27,000	12,000	26,000	9,000	450,000	Normal
▪ Panjnad	865,000	16,000	NIL	12,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		9,000		8,000	150,000	Normal
▪ Shahdara	250,000		30,000		28,000	135,000	Normal
▪ Balloki	380,000	43,000	12,000	34,000	5,000	135,000	Normal
▪ Sidhnai	150,000	20,000	5,000	16,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	3,000	15,000	3,000	175,000	Normal
▪ Islam	300,000	2,000	1,000	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	1437.95	1460.86	1437.20	5.882	1.638	0.821	14%
Chashma	649.00	638.15	645.90	645.60	643.00	0.278	0.142	0.078	28.05%
Mangla	1242.00	1050.00	1152.00	1223.50	1154.40	7.356	5.938	1.959	26.63%
Total Live Storage						13.516	7.718	2.858	21.14%

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	29.6 °C	35.7 °C
Minimum	14.2 °C	13.1 °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"