



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
SUNDAY AUGUST 15, 2021

There is no riverine flood situation in the country and all main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing normal. 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 **10.191 MAF (75.39 % of Maximum Combined Live Storage of 13.516 MAF)**.

2. Trough of Westerly Wave earlier over Northern parts of the country today lies over Kashmir and adjoining areas while Seasonal Low continues to prevail over Northern Balochistan. Moist currents of **Moderate Intensity** from Arabian Sea are penetrating into upper parts of the country up to 5000 feet (Refer FFD Lahore Bulletin No. A-062/21)

3. Scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** is expected over **Islamabad, Punjab Province (Rawalpindi, Sargodha, Gujranwala & D.G. Khan Divisions) and Khyber Pakhtunkhwa Province (Peshawar, 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** may also occur over **Lahore, Faisalabad, Sahiwal & Multan Divisions of Punjab** including **Northeastern Balochistan** during the same period. Noticeable rainfall events recorded during the past 24 hours may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD), Islamabad is monitoring the present weather system and keeping all 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. Minister for Information & Broadcasting, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad
8. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
10. Chief Executive Officer, Pakistan Railways, Lahore
11. Member (Infrastructure), Planning Commission, Islamabad.
12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad.

Distribution:

15. Chairman, Indus River System Authority, Islamabad
16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
24. Chief Commissioner, Islamabad.
25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
26. Secretary, Irrigation Department, Government of Sindh, Karachi.
27. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
28. Secretary, Irrigation Department, Government of Balochistan, Quetta.
29. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
32. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
33. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
34. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
35. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
36. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
37. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
38. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
39. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
40. Principal Information Officer, Press Information Department, Islamabad.
41. Director (News), Associated Press of Pakistan, Islamabad.
42. Director (News), Pakistan Television, Islamabad.
43. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
44. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 15-08-2021

Rivers and Reservoir Positions August 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	239,000	122,000	171,000	99,000	650,000	Normal
▪ Kalabagh	950,000	190,000	182,000	176,000	169,000	650,000	Normal
▪ Chashma Reservoir	950,000	169,000	163,000	178,000	166,000	650,000	Normal
▪ Taunsa	1,000,000	177,000	151,000	161,000	132,000	650,000	Normal
▪ Guddu	1,200,000	129,000	97,000	126,000	90,000	700,000	Normal
▪ Sukkur	900,000	91,000	45,000	89,000	40,000	700,000	Normal
▪ Kotri	875,000	91,000	56,000	127,000	91,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		36,000		24,000	200,000	Normal
▪ Nowshera			45,000		37,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		13,000	150,000	Normal
▪ Munda Head Works	150,000		7,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		6,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	25,000	10,000	28,000	20,000		Normal
▪ Rasul	850,000	3,000	NIL	15,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	73,000	46,000	60,000	26,000	400,000	Normal
▪ Khanki	1,100,000	47,000	39,000	36,000	29,000	400,000	Normal
▪ Qadirabad	900,000	47,000	30,000	27,000	7,000	400,000	Normal
▪ Trimmu	875,000	27,000	12,000	22,000	9,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	20,000	7,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		22,000		4,000	150,000	Normal
▪ Shahdara	250,000		31,000		21,000	135,000	Normal
▪ Balloki	380,000	45,000	13,000	34,000	6,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	18,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	NIL	NIL	1,000	NIL	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	1547.10	1522.46	1543.41	5.882	4.465	5.505	93.59 %
Chashma	649.00	638.15	641.50	641.60	647.20	0.278	0.051	0.194	69.78 %
Mangla	1242.00	1050.00	1209.45	1235.30	1202.50	7.356	6.829	4.492	61.06 %
Total Live Storage						13.516	11.345	10.191	75.39 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	35.6 °C	29.3 °C
Minimum	20.4 °C	14.4 °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)

* (↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (→) 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.	Chakwal	43
2.	Attock	38
3.	Sialkot	32
4.	Mangla	29
5.	Islamabad	Saidpur=21, Shamsabad=19, Bokra=18, Golra=17, Chaklala=16, Zeropoint=13 & New Airport=06
6.	Lahore & Murree	17 each
7.	Dhulli	16
8.	Kamra & Jhelum	15 each
9.	Joharabad	14
10.	Sargodha	08
11.	Gujrat	05
B	Khyber Pakhtunkhwa	
12.	Bannu	60
13.	Risalpur	42
14.	Dir	24
15.	Kakul	13
16.	Phulra, Daggar & Pattan	10 each
17.	Saidu Sharif & Malam Jabba	07 each
18.	Tahkht Bai	06
C	AJ&K	
19.	Palandri	14
20.	Chattar Kallas & Kotli	10 each
21.	Bandi Abbaspur & Kallar	08 each
22.	Rawalakot	07
23.	Muzaffarabad & Tandali	05 each

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