



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
FRIDAY, AUGUST 13, 2021

All main rivers of Indus River System are flowing with "Normal" Discharges mainly due to depressed "Monsoon Activity". Tarbela Dam Management Authorities including IRSA are advised to ensure judicious releases downstream Tarbela in line with the approved SOPs in order to achieve Maximum Conservation Level (**1550.00 feet**) which presently is at **1541.20 feet**. For present inflows/outflows and storage position **Annexure-I** may be seen.


2. Seasonal Low prevailing over Northern Balochistan is bringing "**Moderate Intensity**" moist currents from Arabian Sea, penetrating into upper parts of Pakistan upto 5000 feet. Yesterday's trough of Westerly Wave over Northern parts of Afghanistan currently exists over Northeastern parts of Afghanistan.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala & Sargodha Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the main rivers. For the same time period, scattered thunderstorm/rain of **Moderate Intensity** is also expected over **Lahore, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions of Punjab** and **Northeastern parts of Balochistan**. Not much rainfall activity has been experienced since the last 24 hours except that is depicted in **Annexure-II**.

4. **Next 48 hours Weather/ Rainfall Prediction:**

- Likelihood of scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala & Sargodha Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the main rivers.
- Likelihood of scattered thunderstorm/rain of **Moderate Intensity** over **Lahore, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions of Punjab Province** including **Northeastern Balochistan**.

5. Both Pakistan Meteorological Department (PMD), Islamabad and its Flood Forecasting Division (FFD) at Lahore are monitoring the current weather situation and keeping all informed.


(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.

Distribution:

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.
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 13-08-2021

Rivers and Reservoir Positions August 13, 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	228,000	127,000	165,000	152,000	650,000	Normal
▪ Kalabagh	950,000	171,000	163,000	186,000	179,000	650,000	Normal
▪ Chashma Reservoir	950,000	176,000	170,000	176,000	166,000	650,000	Normal
▪ Taunsa	1,000,000	172,000	146,000	169,000	149,000	650,000	Normal
▪ Guddu	1,200,000	134,000	104,000	149,000	110,000	700,000	Normal
▪ Sukkur	900,000	108,000	64,000	109,000	54,000	700,000	Normal
▪ Kotri	875,000	54,000	23,000	131,000	95,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		34,000		24,000	200,000	Normal
▪ Nowshera			46,000		35,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			12,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		6,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	23,000	10,000	32,000	17,000	225,000	Normal
▪ Rasul	850,000	8,000	5,000	23,000	20,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	77,000	46,000	56,000	21,000	400,000	Normal
▪ Khanki	1,100,000	39,000	31,000	27,000	20,000	400,000	Normal
▪ Qadirabad	900,000	37,000	20,000	20,000	NIL	400,000	Normal
▪ Trimmu	875,000	19,000	4,000	20,000	4,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	25,000	10,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		13,000		5,000	150,000	Normal
▪ Shahdara	250,000		29,000		23,000	135,000	Normal
▪ Balloki	380,000	45,000	14,000	36,000	7,000	135,000	Normal
▪ Sidhnai	150,000	20,000	4,000	23,000	5,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	1,000	NIL	1,000	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	1546.90	1514.60	1541.20	5.882	4.063	5.379	91.44 %
Chashma	649.00	638.15	641.50	641.50	645.60	0.278	0.049	0.142	51.07 %
Mangla	1242.00	1050.00	1206.50	1234.60	1201.90	7.356	6.774	4.453	60.53 %
Total Live Storage						13.516	10.886	9.974	74.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	35.6 °C	33.7 °C
Minimum	16.5 °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)

* (↑) 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.	Dhulli	23
2.	Murree	13
3.	Kallar	08
4.	Phulra	06
B	Khyber Pakhtunkhwa	
5.	Malam Jabba	13
6.	Babusar	12
C	AJ&K	
7.	Palandri	10
8.	Bandi Abbaspur	07
9.	Garhi Dopatta	05

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