



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 SEPTEMBER 09, 2021

Good rains have been observed during the past 48 hours over most parts of the Country, however no appreciable runoff has been observed that could augment the main rivers discharges, hence, all main rivers of the Indus River System are presently flowing with "Normal Discharges". For main rivers inflows/outflows at important control structures including reservoir levels and their storage position, besides, Temperature at Skardu, **Annexure-I** is referred. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **8.914 MAF (66% of the existing Combined Live Storage Capacity of 13.516 MAF)**.

2. According to FFD, Lahore, **Well Marked Low** lies over West Madhya Pradesh (India) has weakened and converted into Low whereas Seasonal Low continues to persist over Northern Balochistan. Moist currents of **Moderate Intensity** from both Arabian Sea and Bay of Bengal are penetrating upto 5000 feet into Sindh, Eastern Balochistan and upper parts of the country. Westerly Wave trough earlier over Northeastern Afghanistan today lies over Northern parts of the country.

3. For the ensuing 24 hours, FFD, Lahore has forecasted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Southern & Southeastern Sindh** and **Eastern Balochistan** including upper catchments of all main rivers. Isolated thunderstorm/rain may also occur over **Sahiwal, Multan, & Bahawalpur Divisions of Punjab Province** during the same period. The prominent rainfall recorded in various parts of the country during the last 24 hours may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system and keeping all 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. 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

Distribution:

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 09-09-2021

Rivers and Reservoir Positions September 09, 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	139,000	149,000	120,000	161,000	650,000	Normal
▪ Kalabagh	950,000	211,000	206,000	185,000	178,000	650,000	Normal
▪ Chashma Reservoir	950,000	196,000	181,000	184,000	164,000	650,000	Normal
▪ Taunsa	1,000,000	260,000	253,000	159,000	140,000	650,000	Normal
▪ Guddu	1,200,000	571,000	541,000	122,000	91,000	700,000	Normal
▪ Sukkur	900,000	460,000	419,000	66,000	21,000	700,000	Normal
▪ Kotri	875,000	202,000	198,000	30,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		21,000		17,000	200,000	Normal
▪ Nowshera			36,000		24,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			8,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		13,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			13,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	38,000	38,000	14,000	18,000	225,000	Normal
▪ Rasul	850,000	49,000	49,000	37,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	46,000	22,000	63,000	34,000	400,000	Normal
▪ Khanki	1,100,000	42,000	35,000	31,000	24,000	400,000	Normal
▪ Qadirabad	900,000	38,000	16,000	41,000	19,000	400,000	Normal
▪ Trimmu	875,000	114,000	106,000	33,000	16,000	450,000	Normal
▪ Panjnad	865,000	110,000	95,000	10,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		7,000		5,000	150,000	Normal
▪ Shahdara	250,000		13,000		21,000	135,000	Normal
▪ Balloki	380,000	36,000	8,000	30,000	1,000	135,000	Normal
▪ Sidhnai	150,000	24,000	8,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	21,000	8,000	15,000	2,000	175,000	Normal
▪ Islam	332,000	6,000	5,000	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	1550.00	1550.00	1532.35	5.882	5.980	4.891	83.15 %
Chashma	649.00	638.15	649.00	646.30	645.60	0.278	0.163	0.142	51.07 %
Mangla	1242.00	1050.00	1222.50	1242.00	1192.55	7.356	7.356	3.881	53.00 %
Total Live Storage						13.516	13.499	8.914	66.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	21.1 °C	33.6 °C
Minimum	18.9 °C	16.6 °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.	Gujrat	80
2.	Sialkot	63
3.	Gujranwala	60
4.	Sargodha	59
5.	Mianwali	53
6.	Risalpur & Rohtas	43 each
7.	Jhelum	30
8.	Mangla	22
9.	Kallar & Zafarwal	20 each
10.	Narowal	18
11.	Daulatnagar	17
12.	Marala	13
13.	Islamabad & Ravi Syphon	12 each
14.	Sahiwal	09
15.	Mandibahauddin	07
16.	Aik Nullah, Sharqpur & Shakar Garh	05 each
B	Sindh	
17.	Karachi	58
18.	Mithi	16
19.	Jacobabad	12
20.	Sakrand	06
21.	Hyderabad	05
C	Khyber Pakhtunkhwa	
22.	Peshawar	31
23.	Mardan	26
24.	Takht Bai	25
25.	Kakul	23
26.	Bannu	21
27.	Cherat	10
28.	Malam Jabba	08
D	Balochistan	
29.	Barkhan	05
E	AJ&K	
30.	Palandri	39
31.	Kotli	07
32.	Rawalakot	06

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