



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

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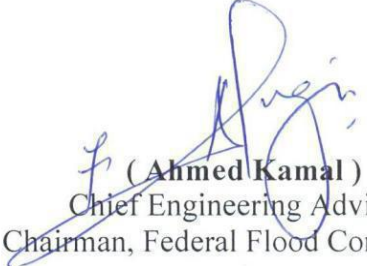
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY SEPTEMBER 02, 2021

Depressed monsoon coupled with fluctuating temperature in northern parts of the country resulted depletion in the storages of the country's major reservoirs. Today's Combined Live Storage of country's three main reservoirs (Tarbela, Chashma and Mangla) is **9.968 MAF** Vs **13.336 MAF** of last year's on the same day. **Annexure-I**, shows inflows/outflows of all main rivers of Indus River System in their "Normal State of Flow" and there is no flood situation in the country.

2. **Monsoon Low** earlier over Northern parts of Maharashtra (India) today lies over Southeastern Sindh and adjoining areas while Seasonal Low (although weak) continues to prevail over Northern Balochistan. Moist currents of **Moderate Intensity** from Arabian Sea are penetrating into Southeastern Sindh and adjoining Bahawalpur Division (Punjab) upto 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore has forecasted isolated thunderstorm/rain over **Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, D.G. Khan & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the main rivers of IRS, besides, scattered thunderstorm/rain of **Moderate Intensity** over **Sindh and Eastern Balochistan**. As a result, **Urban Flooding** is expected in **Karachi & Hyderabad** cities during the next **48 hours**. Few rainfall events has been recorded during the past 24 hours which 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 02-09-2021

Rivers and Reservoir Positions September 02, 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	384,000	302,000	117,000	157,000	650,000	Normal
▪ Kalabagh	950,000	405,000	400,000	124,000	117,000	650,000	Normal
▪ Chashma Reservoir	950,000	352,000	350,000	140,000	136,000	650,000	Normal
▪ Taunsa	1,000,000	355,000	355,000	158,000	138,000	650,000	Normal
▪ Guddu	1,200,000	308,000	305,000	129,000	99,000	700,000	Normal
▪ Sukkur	900,000	262,000	255,000	84,000	34,000	700,000	Normal
▪ Kotri	875,000	153,000	153,000	25,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		25,000		18,000	200,000	Normal
▪ Nowshera			107,000		19,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			49,000		10,000	150,000	Normal
▪ Munda Head Works	150,000		90,000		2,000	150,000	Normal
▪ Charsadda Road Bridge			87,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	60,000	57,000	15,000	37,000	225,000	Normal
▪ Rasul	850,000	53,000	53,000	31,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	75,000	65,000	40,000	5,000	400,000	Normal
▪ Khanki	1,100,000	71,000	65,000	9,000	2,000	400,000	Normal
▪ Qadirabad	900,000	78,000	56,000	17,000	NIL	400,000	Normal
▪ Trimmu	875,000	164,000	155,000	29,000	13,000	450,000	Normal
▪ Panjnad	865,000	96,000	86,000	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		14,000		3,000	150,000	Normal
▪ Shahdara	250,000		11,000		19,000	135,000	Normal
▪ Balloki	380,000	40,000	15,000	35,000	7,000	135,000	Normal
▪ Sidhnai	150,000	33,000	29,000	17,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	19,000	6,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	5,000	4,000	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	1548.55	5.882	5.980	5.799	98.59 %
Chashma	649.00	638.15	649.00	638.15	638.15	0.278	0.000	0.000	00.00 %
Mangla	1242.00	1050.00	1220.70	1242.00	1197.35	7.356	7.356	4.169	57.00 %
Total Live Storage						13.516	13.336	9.968	74.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	27.1 °C	23.6 °C
Minimum	13.3 °C	13.3 °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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THURSDAY SEPTEMBER 02, 2021

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	Punjab	
1.	Lahore	(Mughal Pura = 38, Upper Mall = 36, Johar Town = 34, Gulburg = 29, City = 24, Iqbal Town = 21, Township = 12, Shahi Qilla = 11, Luckshami = 10, Samanabad = 09 & Taj Pura=07)
2.	Sahiwal	05
B.	Sindh	
3.	Karachi	12
4.	Mithi	09
C.	Gilgit-Baltistan	
5.	Bunji	05

Source: FFD, Lahore