



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
WEDNESDAY SEPTEMBER 01, 2021

Despite weak monsoon, fluctuating temperatures etc., following judicious reservoir operation (filling/releases), WAPDA Tarbela Dam Management today has been able to fill the reservoir to its Maximum Conservation Level of **1550.00 feet**. The country's present available Live Storage is now **10.137 MAF (75%** of the total Combined Live Storage Capacity of **13.516 MAF**). For main rivers inflows/ outflows along with storage position, **Annexure-I** is referred.

2. According to FFD, Lahore, trough of Westerly Wave earlier over Northern parts of Pakistan has moved away Eastwards. Monsoon Low presently exists over Northern parts of Maharashtra (India) while Seasonal Low prevails over Northern Balochistan. Moist currents of **Moderate Intensity** generated by Arabian Sea Seasonal Low and Bay of Bengal Monsoon Low are penetrating upto 5000 feet into Southeastern parts of Sindh and adjoining Bahawalpur Division (Punjab).

Next 24 hours Weather Prediction:

3. Isolated thunderstorm/rain is expected 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, besides, scattered thunderstorm/rain of **Moderate Intensity** over **Sindh** and **Eastern Balochistan**. Detail of few rainfall events of past 24 hours may be seen at **Annexure-II**.

Next 48 hours Weather Prediction:

4. Rainfall activity is likely to increase over Sindh, Eastern Balochistan and Bahawalpur Division (Punjab). As a consequence, there exists likelihood of **Urban Flooding** in **Karachi** and **Hyderabad** cities during the next 3 days.

5. 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

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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 01-09-2021

Rivers and Reservoir Positions September 01, 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	158,000	201,000	112,000	58,000	650,000	Normal
▪ Kalabagh	950,000	247,000	240,000	115,000	108,000	650,000	Normal
▪ Chashma Reservoir	950,000	236,000	233,000	176,000	164,000	650,000	Normal
▪ Taunsa	1,000,000	379,000	379,000	161,000	141,000	650,000	Normal
▪ Guddu	1,200,000	268,000	282,000	119,000	91,000	700,000	Normal
▪ Sukkur	900,000	218,000	215,000	76,000	28,000	700,000	Normal
▪ Kotri	875,000	149,000	148,000	27,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		28,000		20,000	200,000	Normal
▪ Nowshera			40,000		26,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			22,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		9,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	55,000	29,000	17,000	40,000	225,000	Normal
▪ Rasul	850,000	37,000	37,000	31,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	82,000	77,000	44,000	9,000	400,000	Normal
▪ Khanki	1,100,000	92,000	86,000	9,000	2,000	400,000	Normal
▪ Qadirabad	900,000	78,000	56,000	21,000	NIL	400,000	Normal
▪ Trimmu	875,000	206,000	196,000	29,000	13,000	450,000	Normal
▪ Panjnad	865,000	55,000	43,000	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		8,000		3,000	150,000	Normal
▪ Shahdara	250,000		11,000		20,000	135,000	Normal
▪ Balloki	380,000	42,000	17,000	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	21,000	8,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	3,000	2,000	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	1550.00	5.882	5.980	5.882	100.00 %
Chashma	649.00	638.15	649.00	638.15	641.20	0.278	0.000	0.044	16.00 %
Mangla	1242.00	1050.00	1220.35	1242.00	1198.05	7.356	7.356	4.211	57.24 %
Total Live Storage						13.516	13.336	10.137	75.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	22.3 °C	24.4 °C
Minimum	11.2 °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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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	Punjab	
1.	Lahore	05
B.	Sindh	
2.	Badin	37
3.	Hyderabad	09
C.	Khyber Pakhtunkhwa	
4.	Kakul Parachinar	15
5.	Kalam	09
6.	Dir	08
D.	Balochistan	
7.	Khuzdar	26
E.	Gilgit-Baltistan	
8.	Bagrote	10
9.	Gilgit	07
10.	Bunji & Hunza	06 each
11.	Gupis	05

Source: FFD, Lahore