



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 SEPTEMBER 17, 2021

Dry weather is being experienced since the last few days with rainfall activity almost negligible. Indus River System continues to flow in Normal Discharge Regime. Today's Combined Live Storage is **8.697 MAF (64.34%** of total **13.516 MAF** and **64.61%** compared to last year on September 17, 2020).

2. Yesterday's "**Well Marked Low**" over Northeast Madhya Pradesh (India) presently prevails over Northwest Madhya Pradesh (India). A fresh trough of Westerly Wave prevails over Northwestern parts of Afghanistan whereas Seasonal Low lies over Northeastern Balochistan. Moist currents from Arabian Sea are penetrating upto 3000 feet into the upper parts of the country.

3. For the ensuing 24 hours, mainly dry Weather has been predicted by FFD, Lahore over most parts of the country. Nonetheless, there is likelihood of isolated thunderstorm/rain over Gujranwala Division of Punjab Province, besides upper catchments of rivers Chenab, Ravi & Sutlej for the same period. No mentionable rainfall event has been reported during the past 24 hours except for D.G. Khan =13 mm.

4. Good and coordinated monitoring of existing meteorological conditions over Pakistan is being exercised by Pakistan Meteorological Department and is keeping all concerned fully abreast of the situation through its Flood Forecasting Division at 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.
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5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
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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.

Distribution:

16. Member (Water), WAPDA, WAPDA House, Lahore
17. Director General, Pakistan Meteorological Department, Islamabad.
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20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
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22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
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25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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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 17-09-2021

Rivers and Reservoir Positions September 17, 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	94,000	71,000	93,000	123,000	650,000	Normal
▪ Kalabagh	950,000	119,000	112,000	123,000	115,000	650,000	Normal
▪ Chashma Reservoir	950,000	124,000	121,000	162,000	143,000	650,000	Normal
▪ Taunsa	1,000,000	126,000	111,000	147,000	126,000	650,000	Normal
▪ Guddu	1,200,000	168,000	147,000	108,000	77,000	700,000	Normal
▪ Sukkur	900,000	146,000	124,000	74,000	20,000	700,000	Normal
▪ Kotri	875,000	276,000	260,000	29,000	3,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		9,000			200,000	
▪ Nowshera			18,000		15,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			6,000			150,000	
▪ Munda Head Works	150,000		6,000			150,000	
▪ Charsadda Road Bridge			6,000			100,000	
River Jhelum							
▪ Mangla Reservoir	1,060,000	22,000	38,000	20,000	24,000	225,000	Normal
▪ Rasul	850,000	58,000	38,000	19,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	41,000	8,000	29,000	5,000	400,000	Normal
▪ Khanki	1,100,000	11,000	4,000	7,000	NIL	400,000	Normal
▪ Qadirabad	900,000	27,000	5,000	17,000	NIL	400,000	Normal
▪ Trimmu	875,000	36,000	22,000	46,000	30,000	450,000	Normal
▪ Panjnad	865,000	61,000	46,000	25,000	8,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		5,000		6,000	150,000	Normal
▪ Shahdara	250,000		19,000		19,000	135,000	Normal
▪ Balloki	380,000	41,000	8,000	34,000	7,000	135,000	Normal
▪ Sidhnai	150,000	23,000	6,000	32,000	15,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	17,000	4,000	175,000	Normal
▪ Islam	332,000	2,000	NIL	4,000	3,000	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	1544.76	1550.00	1528.52	5.882	5.980	4.685	79.64 %
Chashma	649.00	638.15	646.80	648.40	647.20	0.278	0.247	0.194	69.78 %
Mangla	1242.00	1050.00	1220.50	1240.50	1191.50	7.356	7.234	3.818	51.90 %
Total Live Storage						13.516	13.461	8.697	64.34 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.4 °C	29.7 °C
Minimum	9.3 °C	8.4 °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"