



**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
MONDAY SEPTEMBER 20, 2021

During the last one week or so, monsoon activity has remained almost negligible with very few isolated rainfall events. At present the Combined Live Storage of three major reservoirs stands at **8.221 MAF (60.82% of total value of 13.516 MAF)** and **62.17%** of last year storage of **13.224 MAF** at the same time period. Detailed inflows/outflows of main rivers and reservoir storage position is given at **Annexure-I**.

2. **Monsoon Low** over Eastern Rajasthan (India) and adjoining areas has weakened and converted into trough. Trough of Westerly Wave continues to prevail over Northeastern parts of Afghanistan and adjoining areas with Seasonal Low lies over Northeastern Balochistan. At present, moist currents of **Moderate Intensity** from Arabian Sea are penetrating upto 5000 feet into upper parts of the country.

Weather Prediction for Next 24 hours:

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **light to Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Rawalpindi & Gujranwala Divisions** of Punjab and **Peshawar Division** of Khyber Pakhtunkhwa including upper catchments of rivers Kabul, Indus & Jhelum. For the same time span, scattered thunderstorm/rain of **light to Moderate Intensity** may also occur over **Punjab (Sargodha, Lahore & Faisalabad Divisions), Khyber Pakhtunkhwa (Kohat & Bannu Divisions)** besides over the upper catchments of rivers Chenab, Ravi and Sutlej. Few rainfall events reported during past 24 hours may be seen at **Annexure-II**.

Weather Prediction for next 48 hours:

4. Scattered thunderstorm/rain of light to **Moderate Intensity** with isolated **Heavy Falls** is expected over Islamabad, Punjab, Upper Sindh, Khyber Pakhtunkhwa and Eastern Balochistan including upper catchments of all the main Rivers.

5. 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

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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 20-09-2021

Rivers and Reservoir Positions September 20, 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	83,000	56,000	101,000	134,000	650,000	Normal
▪ Kalabagh	950,000	122,000	115,000	178,000	170,000	650,000	Normal
▪ Chashma Reservoir	950,000	128,000	122,000	166,000	143,000	650,000	Normal
▪ Taunsa	1,000,000	119,000	98,000	137,000	116,000	650,000	Normal
▪ Guddu	1,200,000	115,000	84,000	123,000	90,000	700,000	Normal
▪ Sukkur	900,000	99,000	69,000	76,000	21,000	700,000	Normal
▪ Kotri	875,000	301,000	284,000	27,000	2,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		11,000		13,000	200,000	Normal
▪ Nowshera			13,000		16,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			6,000		7,000	150,000	Normal
▪ Munda Head Works	150,000		4,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			4,000		2,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	21,000	57,000	18,000	27,000	225,000	Normal
▪ Rasul	850,000	54,000	34,000	26,000	5,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	36,000	7,000	34,000	9,000	400,000	Normal
▪ Khanki	1,100,000	10,000	2,000	8,000	1,000	400,000	Normal
▪ Qadirabad	900,000	21,000	NIL	20,000	NIL	400,000	Normal
▪ Trimmu	875,000	43,000	28,000	32,000	15,000	450,000	Normal
▪ Panjnad	865,000	38,000	22,000	31,000	15,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		3,000		5,000	150,000	Normal
▪ Shahdara	250,000		18,000		22,000	135,000	Normal
▪ Balloki	380,000	41,000	8,000	38,000	9,000	135,000	Normal
▪ Sidhnai	150,000	23,000	5,000	21,000	4,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	2,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	1,000	NIL	2,000	1,000	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	1541.44	1550.00	1522.79	5.882	5.980	4.384	74.53 %
Chashma	649.00	638.15	646.40	647.40	643.60	0.278	0.202	0.091	32.73 %
Mangla	1242.00	1050.00	1218.80	1238.05	1190.30	7.356	7.042	3.746	50.92 %
Total Live Storage						13.516	13.224	8.221	60.82 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	27.0 °C	32.3 °C
Minimum	7.4 °C	10.3 °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.	Sialkot	58
2.	Aik Nullah (Ura)	12
3.	Phulra	10
4.	Lahore	08
B.	Khyber Pakhtunkhwa	
5.	Balakot	33
6.	Kakul	16
7.	Cherat	09
C.	Balochistan	
8.	Lasbela	18
D.	AJ&K	
9.	Garhi Dopatta	26
10.	Haraman	14
11.	Muzaffarabad	05

Source: FFD, Lahore