



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 22, 2021

Some good rainfall events have been experienced in certain parts of the country especially in Punjab during the past 48 hours. Nonetheless they have no impact on the present inflows of rivers. **Annexure-I** is referred for river inflows/outflows and major reservoir levels and storage position.

2. A fresh **Monsoon Low** has developed over Northwestern Bay of Bengal (India) and its further movement, intensity and impact on Pakistan is being closely monitored by the FFD, Lahore. Trough of Westerly Wave from the Mediterranean Sea, at present exists over Kashmir and adjoining areas with Seasonal Low continues to persist over Northeastern Balochistan. Arabian Sea and Bay of Bengal moist currents of **Moderate Intensity** are penetrating into the upper parts of Pakistan upto 5000 feet.

3. The combined effect of existing weather system (Ref: Para-2 above) may result into scattered thunderstorm/ rain of **Light to Moderate Intensity** with isolated **Heavy Falls** over **Rawalpindi, Gujranwala, Lahore & Bahawalpur Divisions** of Punjab, Federal Capital Territory (**Islamabad**) and over **Peshawar Division** of Khyber Pakhtunkhwa including the upper catchments of rivers Indus, Kabul & Jhelum during the upcoming 24 hours. In addition to that, scattered thunderstorm/rain of **Light to Moderate Intensity** may also occur over **Sargodha, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions** (Punjab), **Kohat, Bannu & D.I. Khan Divisions** (K.P) and **eastern parts of Sindh** during the same period as per the forecast of FFD, Lahore. Punjab has received some good rains during the last 24 hours. Significant rainfall events may be seen at **Annexure-II**.

4. Round-the-Clock well co-ordinated monitoring of prevalent meteorological conditions over Pakistan is being regularly carried out by Pakistan Meteorological Department and is keeping all concerned fully cognizant of the situation through its Flood Forecasting Division at Lahore.

(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

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6. Secretary, Ministry of Climate Change, Islamabad.
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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 22-09-2021

Rivers and Reservoir Positions September 22, 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							
▪ <i>Tarbela Reservoir</i>	1,500,000	80,000	80,000	102,000	98,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	102,000	95,000	128,000	120,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	111,000	107,000	146,000	123,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	121,000	100,000	138,000	116,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	101,000	71,000	135,000	103,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	72,000	26,000	78,000	23,000	700,000	Normal
▪ <i>Kotri</i>	875,000	264,000	246,000	24,000	2,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		9,000		16,000	200,000	Normal
▪ <i>Nowshera</i>			11,000		18,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			6,000		9,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		4,000		3,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			4,000		3,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	18,000	57,000	19,000	17,000	225,000	Normal
▪ <i>Rasul</i>	850,000	43,000	23,000	24,000	5,000	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	36,000	7,000	38,000	13,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	11,000	3,000	13,000	6,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	21,000	NIL	26,000	4,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	46,000	32,000	28,000	12,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	29,000	13,000	30,000	15,000	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		4,000		5,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		16,000		23,000	135,000	Normal
▪ <i>Balloki</i>	380,000	37,000	5,000	38,000	11,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	21,000	3,000	23,000	7,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	16,000	2,000	16,000	4,000	175,000	Normal
▪ <i>Islam</i>	332,000	1,000	NIL	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	1538.28	1550.00	1520.95	5.882	5.980	4.287	72.88 %
Chashma	649.00	638.15	646.40	646.30	646.70	0.278	0.163	0.176	63.30 %
Mangla	1242.00	1050.00	1217.65	1236.50	1189.70	7.356	6.922	3.712	50.46 %
Total Live Storage						13.516	13.065	8.175	60.48 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.8 °C	25.0 °C
Minimum	6.4 °C	11.3 °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.	Jhelum	69
2.	D.G. Khan	47
3.	Multan	43
4.	Lahore	42
5.	Kasur	41
6.	Sahiwal	31
7.	Mangla	28
8.	Shorkot & Bahawalpur	17 each
9.	Okara	16
10.	Daultnagar & Rohtas	12 each
11.	Hafizabad	11
12.	Ravi Syphon	10
13.	Shadiwal & Gujrat	09 each
14.	Faisalabad	08
15.	Bhakkar	07
16.	Layyah	06
17.	Mianwali, Bahawalnagar & Kallar	05 each
B.	Khyber Pakhtunkhwa	
18.	Parachinar	34
19.	D.I.Khan	14
20.	Buner & Lower Dir	11 each
C.	AJ&K	
21.	Brarkot	08

Source: FFD, Lahore