



**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
SATURDAY SEPTEMBER 11, 2021**

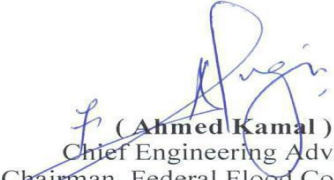
Good monsoon rains are being experienced on country-wide basis during the last 3 to 4 days. However, their impact on country's major water storage position (Tarbela, Chashma & Mangla) is not of that extent. The present storage of three major reservoirs is **8.887 MAF (65.75%** of existing storage capacity). Presently, all main rivers of the Indus River System are flowing Normal with no riverine flood situation. **Annexure-I** is referred for main river's inflows & outflows alongwith reservoir's storage position at 0600 hours today.

2. According to FFD, Lahore, a fresh **Monsoon Low** has developed over Northwestern Bay of Bengal with moist currents of moderate intensity from Arabian Sea & Bay of Bengal are penetrating into the upper parts of the country & Sindh province up to 7000 feet. Yesterday's **Monsoon Low** over West Madhya Pradesh (India) today lies over Eastern Rajasthan (India) with Seasonal Low prevails over Northern Balochistan. Trough of Westerly Wave continues to persist over Northern parts of the country.

3. For the ensuing 24 hours, scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** has been predicted by the FFD, Lahore over Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I.Khan Divisions), Southern & Southeastern Sindh and Eastern Balochistan including upper catchments of all main rivers. For the same period, isolated thunderstorm/rain may also occur over Punjab (Sahiwal, Multan & Bahawalpur Divisions). The prevailing weather system may generate **Low to Medium Level Floods** in local nullahs/ tributaries of river Ravi (Deg, Basanter & Sakki) during the next 24 hours. Details of prominent rainfall events during the past 24 hours may be seen at **Annexure-II**.

4. Owing to heavy rainfall occurred in the twin cities of Islamabad-Rawalpindi (Catchment area of Lai Nullah) yesterday afternoon, **water level in Lai Nullah at Kattarian Bridge was raised upto 19.00 feet (Alert Level) and 15.00 feet at Gawalmandi Bridge (Alert Level)**. The flood flows were safely passed and no damages were reported by the concerned field formation.

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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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 11-09-2021

Rivers and Reservoir Positions September 11, 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	117,000	97,000	147,000	121,000	650,000	Normal
▪ Kalabagh	950,000	145,000	139,000	160,000	154,000	650,000	Normal
▪ Chashma Reservoir	950,000	173,000	160,000	167,000	147,000	650,000	Normal
▪ Taunsa	1,000,000	194,000	186,000	159,000	140,000	650,000	Normal
▪ Guddu	1,200,000	475,000	444,000	133,000	102,000	700,000	Normal
▪ Sukkur	900,000	495,000	452,000	92,000	38,000	700,000	Normal
▪ Kotri	875,000	213,000	207,000	31,000	5,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		16,000		20,000	200,000	Normal
▪ Nowshera			28,000		17,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			8,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	32,000	29,000	18,000	26,000	225,000	Normal
▪ Rasul	850,000	43,000	34,000	33,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	45,000	17,000	49,000	17,000	400,000	Normal
▪ Khanki	1,100,000	20,000	13,000	14,000	7,000	400,000	Normal
▪ Qadirabad	900,000	21,000	NIL	30,000	8,000	400,000	Normal
▪ Trimmu	875,000	97,000	83,000	33,000	16,000	450,000	Normal
▪ Panjnad	865,000	101,000	86,000	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		5,000		11,000	150,000	Normal
▪ Shahdara	250,000		19,000		27,000	135,000	Normal
▪ Balloki	380,000	36,000	6,000	49,000	23,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	18,000	4,000	17,000	4,000	175,000	Normal
▪ Islam	332,000	8,000	7,000	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	1531.50	5.882	5.980	4.845	82.37 %
Chashma	649.00	638.15	648.40	648.50	647.20	0.278	0.253	0.194	69.78 %
Mangla	1242.00	1050.00	1222.80	1242.00	1192.00	7.356	7.356	3.848	52.31 %
Total Live Storage						13.516	13.589	8.887	65.75 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.6 °C	28.6 °C
Minimum	11.7 °C	15.4 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Lahore	Luckshami=198, Misri Shah=196, Shahi Qilla=176, Shahdara=155, Township=149, Taj Pura=130, Samanabad=118, Iqbal Town=109, Gulshan-e-Ravi=107, Johar Town=99, Jail Road=96, Upper Mall=87, Mughal Pura=77, Gulburg=71 & Airport=63
2.	Ravi Syphon	147
3.	Kasur	98
4.	Islamabad	Zeropoint, Golra & Saidpur=83(each), Shamsabad=36, Bokra=25 & Chaklala (Airbase)=11
5.	GS Wala	79
6.	Sharqpur	62
7.	Mangla	44
8.	Okara	41
9.	Narowal	34
10.	Shadiwal	25
11.	Jhelum	24
12.	Phulra	22
13.	Sialkot (Airport)	21
14.	Murree & Rohtas	20 each
15.	Attock	18
16.	Kotnaina	11
17.	Daulatnagar, Gujrat, & Marala	10 each
B	Sindh	
18.	Chhor	30
19.	Mithi	23
C	Khyber Pakhtunkhwa	
20.	Kohat (Airbase)	30
21.	Peshawar	Airbase=14 & Bacha Khan Airport =11
22.	Dir	12
23.	Lower Dir	10
D	AJ&K	
24.	Dhulli & Kotli	21 each
25.	Rawalakot	13
26.	Palandri & Barnala	10 each

Source: FFD, Lahore (Phone No. 042 99200139)