



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY SEPTEMBER 30, 2021

All main rivers of the Indus River System are flowing Normal and there is no riverine flood situation in the country. Today's Combined Live Storage Capacity of major reservoirs (Tarbela, Chashma & Mangla) is **7.582 MAF (56.09%** of the existing storage capacity of **13.516 MAF)**. **Annexure-I** indicates today's at 0600 hours inflows & outflows of major rivers at important control structures alongwith storage position of major reservoirs.

2. Yesterday's **Well Marked Low** over South-western Madhya Pradesh (India) and adjoining areas has intensified into "**DEPRESSION**" which is presently centered over Northwestern Gujrat (India) and is likely to further intensify into **Deep Depression** during the next 24 hours. A fresh trough of Westerly Wave lies over Northern parts of Afghanistan whereas Weak Seasonal Low continues to persist over Northern Balochistan. **Strong Monsoon Currents** from Arabian Sea are penetrating into Sindh, Eastern & Coastal Balochistan and Southern Punjab up to 10,000 feet.

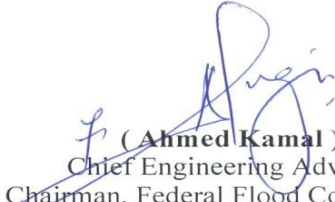
3. For the ensuing 24 hours, FFD, Lahore has predicted widespread thunderstorm/ rain with **scattered heavy to very heavy falls** and **isolated extremely heavy falls** over **Sindh** and **Eastern & Coastal Balochistan**. Also, scattered thunderstorm rain of **light to moderate intensity** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, D.G. Khan & Bahawalpur Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including upper catchments of all the major rivers, besides, isolated thunderstorm/rain over **Sargodha, Lahore & Faisalabad Divisions (Punjab)** during the same period. A few noticeable rainfall events reported during the last 24 hours may be seen at **Annexure-II**.

Weather & Flood Forecast for 1st & 2nd October 2021:

4. Widespread thunderstorm/rain with scattered **heavy to very heavy falls** and **isolated extremely heavy falls** are expected over **Sindh Province** and **Eastern & Coastal areas of Balochistan** from **1st to 2nd October 2021**. This may cause **Urban Flooding** in **Sindh Province** and **heavy to very heavy floods** in the local nullahs of **Eastern and Coastal areas of Balochistan**. Scattered thunderstorm/rain of **moderate intensity** with isolated **heavy falls** may also occur over **Islamabad, Punjab** and **Khyber Pakhtunkhwa** including the upper catchments of all the major rivers during the same period.

5. All concerned Authorities especially in **Sindh and Balochistan** Provinces are advised to remain vigilant on round-the-clock basis, closely watch the weather, rain and flood situation and also ensure fool proof precautionary measures to avoid loss of precious human lives and damage to public & private properties.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system especially with regards to the "**Depression**" including its further movement, intensity and impact on Pakistan weather system on Round-the-Clock basis and keeping all concerned informed through FFD, 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.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.

Distribution:

7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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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.
16. Member (Water), WAPDA, WAPDA House, Lahore
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
24. Chief Commissioner, Islamabad.
25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
26. Secretary, Irrigation Department, Government of Sindh, Karachi.
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 30-09-2021

Rivers and Reservoir Positions September 30, 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	66,000	79,000	78,000	104,000	650,000	Normal
▪ Kalabagh	950,000	103,000	96,000	122,000	114,000	650,000	Normal
▪ Chashma Reservoir	950,000	105,000	99,000	129,000	112,000	650,000	Normal
▪ Taunsa	1,000,000	97,000	78,000	111,000	91,000	650,000	Normal
▪ Guddu	1,200,000	86,000	67,000	96,000	75,000	700,000	Normal
▪ Sukkur	900,000	64,000	19,000	69,000	43,000	700,000	Normal
▪ Kotri	875,000	35,000	13,000	20,000	18,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		9,000			200,000	
▪ Nowshera			10,000		13,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			6,000			150,000	
▪ Munda Head Works	150,000		4,000			150,000	
▪ Charsadda Road Bridge			2,000			100,000	
River Jhelum							
▪ Mangla Reservoir	1,060,000	12,000	35,000	16,000	29,000	225,000	Normal
▪ Rasul	850,000	37,000	15,000	29,000	8,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	18,000	5,000	27,000	5,000	400,000	Normal
▪ Khanki	1,100,000	10,000	2,000	8,000	1,000	400,000	Normal
▪ Qadirabad	900,000	22,000	NIL	18,000	1,000	400,000	Normal
▪ Trimmu	875,000	29,000	14,000	23,000	7,000	450,000	Normal
▪ Panjnad	865,000	26,000	10,000	21,000	5,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		4,000		3,000	150,000	Normal
▪ Shahdara	250,000		4,000		14,000	135,000	Normal
▪ Balloki	380,000	31,000	NIL	30,000	NIL	135,000	Normal
▪ Sidhnai	150,000	18,000	NIL	19,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	2,000	15,000	2,000	175,000	Normal
▪ Islam	332,000	1,000	NIL	2,000	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	1529.98	1547.14	1511.95	5.882	5.817	3.832	65.14 %
Chashma	649.00	638.15	645.80	645.70	646.40	0.278	0.145	0.166	59.71 %
Mangla	1242.00	1050.00	1213.00	1230.55	1187.40	7.356	6.460	3.584	48.72 %
Total Live Storage						13.516	12.422	7.582	56.09 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	22.2 °C	29.1 °C
Minimum	5.3 °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.	Sindh	
1.	Tharparker	(Islamkot = 21, Diplo = 19, Mithi = 12 & Chhachro = 08)
2.	Badin	08
3.	Sakrand	06
B.	Balochistan	
4.	Quetta	12
C.	AJ&K	
5.	Palandri	28
6.	Kotli	22
7.	Brarkot	06

Source: FFD, Lahore