



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 OCTOBER 02, 2021


At present, all main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing with "Normal Discharges" and there is no riverine flood situation in the country. For inflows/outflows of major rivers at important control structures & storage position of major reservoirs alongwith Skardu temperature **Annexure-I** is referred. As of today, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **7.558 MAF (55.91%** of the existing Combined Live Storage Capacity of **13.516 MAF)**.

2. Yesterday's **Cyclonic Storm** over South-Southwestern side of Karachi has intensified into **Severe Cyclonic Storm** and today lies over 125-Km South of Gawadar. It is likely to move away Westwards during next 24 Hours. Yesterday's Westerly Wave over Northeastern parts of Afghanistan and adjoining areas today lies over Northern parts of the country with weak Seasonal Low prevails over Northern Balochistan. **Strong Monsoon Currents** from Arabian Sea are penetrating into Eastern & Coastal Balochistan up to 10000 feet, besides, **Moderate Monsoon Currents** from Arabian Sea are also penetrating upto 5000 feet into the upper parts of Pakistan.

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 Coastal Balochistan, besides, scattered thunderstorm/rain of **light to moderate intensity** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Lahore, D.G. Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Southwestern Balochistan** and upper catchments of all the major rivers. Isolated thunderstorm/rain may also occur over **Sargodha & Faisalabad Divisions of Punjab and Karachi Division of Sindh** during the same period. There is also likelihood of **Heavy to Very Heavy Floods** in the local rivers/ nullahs/ streams of **South Western and Coastal areas of Balochistan** during the next 24 hours. The prominent rainfall events recorded in various parts of country during the past 24 hours may be seen at **Annexure-II**.

4. All concerned authorities 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.

5. Pakistan Meteorological Department (PMD) is monitoring the present weather system especially with regards to the intensity of "**Severe Cyclonic Storm**" and its further movement, and impact on coastal areas of Pakistan 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.

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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 02-10-2021

Rivers and Reservoir Positions October 02, 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	56,000	98,000	88,000	79,000	650,000	Normal
▪ Kalabagh	950,000	108,000	100,000	78,000	71,000	650,000	Normal
▪ Chashma Reservoir	950,000	119,000	108,000	114,000	100,000	650,000	Normal
▪ Taunsa	1,000,000	96,000	78,000	109,000	92,000	650,000	Normal
▪ Guddu	1,200,000	79,000	64,000	84,000	74,000	700,000	Normal
▪ Sukkur	900,000	61,000	17,000	66,000	37,000	700,000	Normal
▪ Kotri	875,000	28,000	6,000	19,000	14,000	650,000	Normal
River Kabul							
▪ Warsak	540,000					200,000	
▪ Nowshera			11,000		12,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge						150,000	
▪ Munda Head Works	150,000					150,000	
▪ Charsadda Road Bridge						100,000	
River Jhelum							
▪ Mangla Reservoir	1,060,000	12,000	39,000	25,000	27,000	225,000	Normal
▪ Rasul	850,000	37,000	15,000	26,000	5,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	18,000	5,000	30,000	5,000	400,000	Normal
▪ Khanki	1,100,000	9,000	1,000	15,000	7,000	400,000	Normal
▪ Qadirabad	900,000	20,000	NIL	19,000	NIL	400,000	Normal
▪ Trimmu	875,000	26,000	11,000	19,000	3,000	450,000	Normal
▪ Panjnad	865,000	21,000	5,000	18,000	4,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		3,000		3,000	150,000	Normal
▪ Shahdara	250,000		2,000		17,000	135,000	Normal
▪ Balloki	380,000	24,000	NIL	30,000	NIL	135,000	Normal
▪ Sidhnai	150,000	17,000	NIL	15,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	14,000	NIL	17,000	3,000	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	1530.22	1544.69	1511.44	5.882	5.677	3.806	64.70 %
Chashma	649.00	638.15	646.70	644.00	647.50	0.278	0.100	0.207	74.46 %
Mangla	1242.00	1050.00	1211.40	1229.10	1186.70	7.356	6.351	3.545	48.19 %
Total Live Storage						13.516	12.128	7.558	55.91 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	24.4 °C	29.6 °C
Minimum	3.3 °C	10.2 °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	Shahdara=96, Luckshami=81, Taj Pura=79, Airport=75, Shahi Qilla=69, Misri Shah=67, Upper Mall=58, Mughal Pura=55, Jail Road=46, Gulburg=40, Gulshan-e-Ravi=26, Township=15
2.	Islamabad	Saidpur=83, Chaklala (Airbase)=58, Zeropoint=52, Shamsabad=46, Golra=43 & Bokra=21.
3.	Hafiazabad	39
4.	Sialkot	Airport=28 & Cantt=10
5.	Gujranwala	25
6.	Kasur	24
7.	Faisalabad	14
8.	Mandibahauddin	12
B.	SINDH	
9.	Karachi	Gulshan-e-Hadeed=23, Kemari, Surjani Town & Quaidabad=18 each, North Karachi=14, Orangi Town=13
C.	KHYBER PAKHTUNKHWA	
10.	Kakul	30
11.	Tarbela	24
12.	Lower Dir	23
13.	Besham	19
14.	Buner & Khanpur	15 each
15.	Shinkiari	11
D.	BALUCHISTAN	
16.	Ormara	54
17.	Pasni	49
18.	Jiwani	38
19.	Gawadar	37
E.	AJ&K	
20.	Palandri	42
21.	Haraman	24
22.	Mangla	20
23.	Garhi Dopatta	15
24.	Muzaffarabad	12
25.	Hajira	10

Source: FFD, Lahore