



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

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**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY, JULY 19, 2022**

There is no riverine flood situation as all the main rivers of Indus River System are flowing with "Normal Flows Condition" (**Annexures-I** is referred). Today's Combined Live Storage of country's three major reservoirs is **4.334 MAF (32.20% of 13.461 MAF)**.

2. According to FFD, Lahore, yesterday's **Monsoon Low** earlier over Southeastern Madhya Pradesh (India) today lies over central parts of Madhya Pradesh (India) whereas another Well-Marked Low-Pressure prevailing in Arabian Sea has become insignificant for Pakistan. At present, light moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 3000 feet. They are likely to become stronger after 24-hours. Seasonal Low continues to prevail over Northeastern Balochistan.

3. Scattered thunderstorm/rain of **Light to Moderate Intensity** has been predicted by FFD, Lahore over Coastal areas of Balochistan including upper catchments of all the major rivers of Indus River system, besides isolated thunderstorm/rain over **Lahore, Gujranwala & Rawalpindi Divisions** of **Punjab Province** during the next 24 hours. Very few rainfall events have been reported by FFD, Lahore over Punjab, Sindh and Balochistan during past 24 hours. This may be seen at **Annexure-II**.

4. For further 24 hours to above forecast, FFD, Lahore has predicted scattered to widespread thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Rawalpindi, Gujranwala & Lahore Divisions** of **Punjab** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej. Scattered thunderstorm/rain of **Moderate Intensity** may also occur over **Punjab (Sargodha, Faisalabad & Sahiwal Divisions)** and **Balochistan (Makran Division)** including upper catchments of river Indus.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis. All concerned are being kept fully abreast of the situation by 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 Climate Change, 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.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.

Distribution:

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14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta.
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi.
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
48. Director (News), Pakistan Television, Islamabad.
49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
U.O. No.FC-I (31)/2022, Dated 19-07-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 19, 2022 at 0600 Hours

A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date*		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	237,000	84,000	148,000	129,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	189,000	183,000	165,000	157,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	261,000	243,000	199,000	187,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	187,000	164,000	201,000	181,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	138,000	95,000	219,000	183,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	92,000	37,000	165,000	129,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	24,000	NIL	50,000	28,000	Normal	650,000
River Kabul									
• Warsak	540,000				33,000		25,000	Normal	200,000
• Nowshera		450,000	29-07-2010		49,000		40,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		18,000		9,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		13,000		10,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		8,000		11,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	52,000	12,000	30,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	11,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	88,000	54,000	54,000	27,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	42,000	35,000	75,000	19,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	38,000	18,000	37,000	15,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	26,000	9,000	57,000	42,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	14,000	NIL	29,000	20,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		4,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		16,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	5,000	34,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	23,000	7,000	21,000	14,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	21,000	14,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	7,000	7,000	Normal	175,000

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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1455.48	1464.58	1498.81	5.827	1.722	3.137	53.84 %
Chashma	649.00	638.15	647.70	645.20	644.80	0.278	0.131	0.120	43.17 %
Mangla	1242.00	1050.00	1226.40	1168.30	1130.30	7.356	2.583	1.077	14.64 %
Total Live Storage						13.461	4.436	4.334	32.20 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	37.6 °C	35.8 °C	- 1.8
Minimum	19.0 °C	15.2 °C	- 3.8

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/ Historic Peak Floods: (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.	Shorkot	25
B	Sindh	
2.	Khairpur	11
3.	Mirpur Khas	07
4.	Dadu & Karachi	06 each
C	Balochistan	
5.	Panjgur	20
6.	Lasbela	12

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