



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
MONDAY, JULY 18, 2022

With reduced rainfall activity upstream in the river catchment areas and comparatively low temperature at Skardu, Indus River System discharges are presently showing decreasing trend. Thus there is no riverine flood situation in the country as may be seen at **Annexures-I**. Compare to last year's Combined Live Storage of **4.282 MAF (31.81%** of maximum) today's Combined Live Storage is **4.344 MAF (32.47%** of maximum).

2. Bay of Bengal **Monsoon Low** earlier over central parts of Orissa (India) presently prevails over Southeastern Madhya Pradesh (India). Another **Well Marked Low-Pressure** area earlier over 250 Km South-Southeast of Karachi in Arabian Sea today lies over Southwest of Karachi and is likely to become insignificant for Pakistan. The Bay of Bengal weather system is bringing light moist currents into upper half of Pakistan up to 3000 feet whereas Seasonal Low continues to persist over Northwestern Balochistan (Source: FFD, Lahore).

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** over **Balochistan**, besides isolated thunderstorm/rain of **Moderate Intensity** over **Sindh** and the upper catchments of all the major rivers of Indus River system. Present wet spell over Sindh and Balochistan is likely to diminish as per FFD, Lahore. Last 24 hours prominent rainfall events are depicted in **Annexure-II**.

4. For further 24 hours to above forecast, FFD, Lahore has predicted scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** over **Rawalpindi, Gujranwala & Lahore Divisions** of **Punjab** including upper catchments of rivers Chenab, Ravi & Sutlej. In addition to this, scattered thunderstorm/ rain of **Moderate Intensity** may also occur over the upper catchments of rivers Indus & Jhelum.

5. FFD, Lahore has also predicted scattered to widespread thunderstorm/ rain of **Moderate to Heavy Intensity** over the upper catchments of Rivers Sutlej, Ravi & Chenab from **July 20, 2022 to July 22, 2022**. All related organizations are required to remain vigilant to cater for any flooding situation in these rivers as a consequence.

6. 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

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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.

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22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta.
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30. Secretary, Irrigation Department, Government of Sindh, Karachi.
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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.

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PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 18, 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	183,000	141,000	135,000	163,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	197,000	191,000	132,000	124,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	227,000	207,000	202,000	188,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	186,000	162,000	211,000	192,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	137,000	95,000	218,000	190,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	86,000	36,000	165,000	132,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	25,000	NIL	39,000	20,000	Normal	650,000
River Kabul									
• Warsak	540,000				39,000		26,000	Normal	200,000
• Nowshera		450,000	29-07-2010		46,000		50,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		15,000		12,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		11,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		8,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	40,000	8,000	25,000	13,000	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	80,000	47,000	53,000	27,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	31,000	24,000	35,000	28,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	6,000	37,000	15,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	36,000	19,000	49,000	34,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	12,000	IL	39,000	32,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		24,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	8,000	37,000	12,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	22,000	5,000	18,000	11,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	21,000	16,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	4,000	4,000	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	1455.10	1460.44	1499.06	5.827	1.553	3.149	54.04 %
Chashma	649.00	638.15	647.00	647.60	645.70	0.278	0.211	0.145	52.16 %
Mangla	1242.00	1050.00	1226.20	1166.90	1129.40	7.356	2.518	1.050	14.27 %
Total Live Storage						13.461	4.282	4.344	32.27 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	36.0 °C	31.6 °C	- 4.4
Minimum	16.1 °C	14.4 °C	- 1.7

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.	Bahawalpur	36
2.	Khanpur	17
3.	Bahawalnagar	10
4.	Kot Addu & Sahiwal	09 each
5.	Rahim Yar Khan	08
6.	Murree	06
7.	DG Khan	05
B	Sindh	
8.	Karachi	(Gulshan e Hadeed=67, Saadi Town=51, Orangi Town & Quaidabad=36 (each), Airport=33, Jinnah Terminal=34, North Karachi=28, Korungi & Surjani Town=27(each), University Road & Faisal Base=24(each), Gulshane- Maymar & Nazimabad=23(each), Masroor=19, Kemari=17, DHA=15, Gadap Town=10)
9.	Chhor	41
10.	Khairpur	35
11.	Tando Jam	24
12.	Hyderabad	13
13.	Sakrand	12
C	Khyber Pakhtunkhwa	
14.	Kakul	09
D	Balochistan	
15.	Turbat	10
16.	Pasni	06
D	AJ&K	
17.	Kotli	35
18.	Hajira	32
19.	Palandri	26
20.	Bandi Abbaspur	10

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