



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
MONDAY, AUGUST 09, 2021

River Indus is flowing in **Low Flood** at **Guddu Barrage** while rest of main rivers of Indus River System i.e Jhelum, Chenab, Ravi & Sutlej are flowing with "Normal Discharges". **Annexure-I**, Section-B, Column-10 indicates storage position of Tarbela reservoir which has now been filled upto **90%** (**5.310 MAF Vs 5.882 MAF**) owing to adaptation of Revised Filling Criteria (2018) and sustained high Temperature at Skardu during last week of July-2021. Presently, it has only **10 feet** storage space left against its **Maximum Conservation Level of 1550 feet**. Today's Combined Live Storage of Tarbela, Mangla & Chashma reservoirs is **9.786 MAF** which is **72.40%** of the existing Combined Live Storage Capacity of **13.516 MAF**.

2. According to FFD, Lahore, trough of Westerly Wave lies over Northern parts of Pakistan with weak Seasonal Low persists over Northern Balochistan. At present, light to moderate moist currents from Arabian Sea are penetrating into upper parts of country up to 5000 feet.

3. Scattered thunderstorm/rain of **Moderate Intensity** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala & Sargodha Divisions)** and **Khyber Pakhtunkhwa Province** including upper catchments of rivers Indus, Jhelum & Chenab during the next 24 hours. Isolated thunderstorm/rain of **Light to Moderate Intensity** may also occur over **Punjab Province**, besides, over upper catchments of rivers Ravi & Sutlej during the same period. Noticeable rainfall events during the past 24 hours may be seen at **Annexure-II**.

4. Effective and Round-the-Clock monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department and keeping all concerned fully abreast of the situation through its Flood Forecasting Division at 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.
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6. Secretary, Ministry of Climate Change, Islamabad.
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9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
10. Chief Executive Officer, Pakistan Railways, Lahore
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12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad

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17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
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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 09-08-2021

Rivers and Reservoir Positions August 09, 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	206,000	138,000	167,000	91,000	650,000	Normal
▪ Kalabagh	950,000	124,000	115,000	138,000	132,000	650,000	Normal
▪ Chashma Reservoir	950,000	168,000	161,000	190,000	176,000	650,000	Normal
▪ Taunsa	1,000,000	185,000	162,000	191,000	167,000	650,000	Normal
▪ Guddu	1,200,000	149,000	156,000	278,000	240,000	700,000	Low Flood ↓
▪ Sukkur	900,000	139,000	110,000	248,000	191,000	700,000	Normal
▪ Kotri	875,000	57,000	37,000	92,000	57,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		31,000		24,000	200,000	Normal
▪ Nowshera			39,000		39,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			12,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		7,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		8,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	27,000	13,000	30,000	8,000	225,000	Normal
▪ Rasul	850,000	15,000	12,000	3,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	77,000	46,000	62,000	28,000	400,000	Normal
▪ Khanki	1,100,000	40,000	32,000	24,000	17,000	400,000	Normal
▪ Qadirabad	900,000	29,000	12,000	26,000	6,000	400,000	Normal
▪ Trimmu	875,000	13,000	NIL	36,000	20,000	450,000	Normal
▪ Panjnad	865,000	19,000	6,000	50,000	34,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		14,000		6,000	150,000	Normal
▪ Shahdara	250,000		22,000		23,000	135,000	Normal
▪ Balloki	380,000	43,000	11,000	39,000	11,000	135,000	Normal
▪ Sidhnai	150,000	21,000	7,000	24,000	8,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	2,000	16,000	3,000	175,000	Normal
▪ Islam	332,000	3,000	1,000	4,000	2,000	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1544.00	1496.85	1540.00	5.882	3.200	5.310	90.27 %
Chashma	649.00	638.15	641.50	644.10	645.00	0.278	0.103	0.125	45.00 %
Mangla	1242.00	1050.00	1201.70	1232.80	1200.35	7.356	6.635	4.351	59.14 %
Total Live Storage						13.516	9.938	9.786	72.40 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	36.2 °C	29.4 °C
Minimum	18.5 °C	18.4 °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.	Islamabad	30
2.	Narowal	17
3.	Ravi Syphon	15
4.	Mandibahauddin & Hafizabad	14 each
5.	Jhelum	13
6.	Lahore	11
7.	Kamra & Mangla	09 each
8.	Sialkot & Gujrat	07 each
9.	Murree	06
B	Khyber Pakhtunkhwa	
10.	Risalpur	46
11.	Besham	43
12.	Saidu Sharif	33
13.	Kakul	17
14.	Buner	12
15.	Lower Dir	11
16.	Phulra, Malam Jabba, Shinkiari & Oghi	10 each
17.	Balakot	09
18.	Kohat & Rasheedabad	06 each
C	AJ&K	
19.	Brarkot	14
20.	Muzaffarabad	09
21.	Chakothe	06
22.	Haraman	05

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