



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 16, 2021

Monsoon activity (from the Bay of Bengal) at present is subdued. Resultantly river inflows and outflows are also depressing with rivers Indus, Jhelum, Chenab, Ravi & Sutlej are flowing under no flood situation (**Annexure-I**). Also major reservoir's storage position at 0600 hours today is depicted in **Annexure-I**, indicating total available storage of **10.313 MAF** (i.e. **76.30%** of Maximum of **13.516 MAF**).

2. As per FFD, Lahore, Monsoon Low has developed over Northwest Bay of Bengal (India) with Westerly Wave trough (earlier over Kashmir and adjoining area) has moved eastwards. Also weak Seasonal Low continues to persist over Northern Balochistan bringing in mild moist currents from Arabian Sea which are penetrating into the upper parts of Pakistan upto 3000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm/ rain over **Punjab, Khyber-Pakhtunkhwa** and **Northeastern Balochistan** including upper catchments of all the main rivers. Few rainfall events recorded during the past 24 hours may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD), Islamabad is monitoring the present weather system and keeping all informed through 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 Information & Broadcasting, Islamabad.
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6. Secretary, Ministry of Climate Change, Islamabad.
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8. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
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
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14. Chairman, National Highway Authority, Islamabad.

Distribution:

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 16-08-2021

Rivers and Reservoir Positions August 16, 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	241,000	85,000	172,000	106,000	650,000	Normal
▪ Kalabagh	950,000	196,000	188,000	159,000	151,000	650,000	Normal
▪ Chashma Reservoir	950,000	172,000	165,000	192,000	183,000	650,000	Normal
▪ Taunsa	1,000,000	179,000	153,000	161,000	133,000	650,000	Normal
▪ Guddu	1,200,000	133,000	100,000	128,000	96,000	700,000	Normal
▪ Sukkur	900,000	89,000	43,000	86,000	38,000	700,000	Normal
▪ Kotri	875,000	88,000	51,000	89,000	54,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		26,000	200,000	Normal
▪ Nowshera			45,000		43,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			10,000		11,000	150,000	Normal
▪ Munda Head Works	150,000		8,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		6,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	21,000	8,000	35,000	16,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	23,000	20,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	87,000	56,000	56,000	21,000	400,000	Normal
▪ Khanki	1,100,000	45,000	37,000	27,000	20,000	400,000	Normal
▪ Qadirabad	900,000	39,000	22,000	23,000	3,000	400,000	Normal
▪ Trimmu	875,000	21,000	6,000	19,000	7,000	450,000	Normal
▪ Panjnad	865,000	12,000	NIL	17,000	1,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		10,000		5,000	150,000	Normal
▪ Shahdara	250,000		30,000		21,000	135,000	Normal
▪ Balloki	380,000	48,000	15,000	33,000	5,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	18,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	2,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	1,000	NIL	1,000	NIL	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	1547.19	1526.66	1544.87	5.882	4.685	5.589	95.01 %
Chashma	649.00	638.15	641.50	643.50	647.40	0.278	0.089	0.202	73.00 %
Mangla	1242.00	1050.00	1210.60	1235.60	1202.95	7.356	6.852	4.522	61.47 %
Total Live Storage						13.516	11.626	10.313	76.30 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	31.8 °C	21.3 °C
Minimum	16.2 °C	10.4 °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.	Lahore	44
2.	Mangla	32
3.	Kot Addu	17
4.	DG Khan	14
5.	Kamra	06
B	Khyber Pakhtunkhwa	
6.	Dir	07
C	Balochistan	
7.	Barkhan	23
8.	Loralai	08
C	AJ&K	
9.	Kotli	36
10.	Palandri	20
11.	Rawalakot	06
D	Gilgit-Baltistan	
12.	Bagrote	05

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