



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
WEDNESDAY, AUGUST 11, 2021

The country is experiencing dry monsoon at present with very little rainfall activity since last 3-4 days. Continuous low temperature upstream Tarbela in Northern Areas (Skardu) has resulted in reduced inflows in Tarbela reservoir. Tarbela Dam Management Authorities are advised to ensure judicious releases in line with the approved SOPs in order to get maximum storage. All main rivers of the Indus River System (i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Discharges" (**Annexure-I**). Total combined live storage of three reservoirs is approaching close to **10 MAF** (i.e.; **9.853 MAF Vs 13.516 MAF**, refer to **Annexure-I**).

2. At present mild moist currents are penetrating into upper parts of the country up to 3000 feet from the Arabian Sea with Seasonal Low continuing to prevail over Northern Balochistan. Trough of Westerly Wave earlier over Kashmir and adjoining areas has moved eastwards.

3. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm/ rain of **Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa Province** including upper catchments of all main rivers. No prominent rainfall event has been reported for the past 24 hours except for 11 mm in Tandali.

4. FFD, Lahore, is monitoring the current weather situation on Round-the-Clock basis and keeping informed all concerned as per its charter of duties.


(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

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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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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
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad.
15. Chairman, Indus River System Authority, Islamabad

Distribution:

16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
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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 11-08-2021

Rivers and Reservoir Positions August 11, 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	264,000	119,000	163,000	143,000	650,000	Normal
▪ Kalabagh	950,000	179,000	171,000	146,000	140,000	650,000	Normal
▪ Chashma Reservoir	950,000	176,000	170,000	176,000	163,000	650,000	Normal
▪ Taunsa	1,000,000	177,000	151,000	180,000	169,000	650,000	Normal
▪ Guddu	1,200,000	151,000	133,000	172,000	135,000	700,000	Normal
▪ Sukkur	900,000	137,000	93,000	169,000	112,000	700,000	Normal
▪ Kotri	875,000	46,000	18,000	117,000	81,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		34,000		25,000	200,000	Normal
▪ Nowshera			49,000		33,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			12,000		10,000	150,000	Normal
▪ Munda Head Works	150,000		9,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000		8,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	29,000	11,000	50,000	13,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	19,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	77,000	46,000	60,000	26,000	400,000	Normal
▪ Khanki	1,100,000	62,000	54,000	32,000	24,000	400,000	Normal
▪ Qadirabad	900,000	58,000	41,000	27,000	7,000	400,000	Normal
▪ Trimmu	875,000	13,000	NIL	31,000	15,000	450,000	Normal
▪ Panjnad	865,000	19,000	4,000	31,000	15,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		17,000		6,000	150,000	Normal
▪ Shahdara	250,000		24,000		23,000	135,000	Normal
▪ Balloki	380,000	41,000	9,000	38,000	9,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	25,000	8,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	15,000	1,000	16,000	2,000	175,000	Normal
▪ Islam	332,000	2,000	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	1545.50	1505.37	1541.15	5.882	3.606	5.376	91.40 %
Chashma	649.00	638.15	641.50	640.10	642.60	0.278	0.026	0.070	25.17 %
Mangla	1242.00	1050.00	1204.40	1233.85	1201.20	7.356	6.716	4.407	60.00 %
Total Live Storage						13.516	10.348	9.853	73.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	25.3 °C	30.4 °C
Minimum	14.5 °C	13.3 °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"