



**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
THURSDAY, JULY 01, 2021**

Monsoon Season 2021 has set in and issuance of **Daily Weather & Flood Situation Report** has started effective today (**i.e. July 01, 2021**). Flood Communication Cell (FCC) of Federal Flood Commission (FFC) is already functional on Round-the-Clock basis with effect from **June 15, 2021**. During the Season, the entire Indus River System including its important tributaries in addition to important Hill Torrents and flood flow generating Nullahs shall be monitored with regard to their discharges/flood flows and safety of irrigation, drainage and flood protection infrastructure across the Country.

2. All main rivers of Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are discharging normal flows. Our major reservoirs (Tarbela & Chashma on Indus and Mangla on Jhelum) as of today have a Combined Live Storage of **2.681 MAF** (i.e., **19.84 %** of **13.516 MAF**) which is much less than last year's Combined Live Storage of **7.211 MAF** (Refer to attached **Annexure-I**). Major factor is relatively rapid variations in temperature upstream owing to intermittent incursions of cold westerly waves from the Mediterranean Sea.

3. For the ensuing 24-hours, upper catchments of rivers Indus, Jhelum & Chenab may experience scattered moderate intensity thunderstorm/rain accompanied by gusty winds besides isolated thunderstorm/rain over Peshawar, Kohat & Bannu (Khyber Pakhtunkhwa). Flood Forecasting Division (FFD), Lahore, has also predicted abatement in presently on-going heat wave in the country during the next 48 hours as a consequence of expected moderate intensity rains over Gilgit Baltistan, Kashmir, Khyber Pakhtunkhwa, Punjab and Eastern Balochistan.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all concerned informed through 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. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore.
10. Member (Infrastructure), Planning Commission, Islamabad.

Distribution:

11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. Project Director/Chief Engineer, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.

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Rivers and Reservoir Positions
July 01, 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	145,000	153,000	139,000	126,000	650,000	Normal
▪ Kalabagh	950,000	217,000	210,000	157,000	151,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	222,000	216,000	173,000	163,000	650,000	Normal
▪ Taunsa	1,000,000	201,000	180,000	180,000	152,000	650,000	Normal
▪ Guddu	1,200,000	157,000	119,000	133,000	98,000	700,000	Normal
▪ Sukkur	900,000	110,000	53,000	89,000	37,000	700,000	Normal
▪ Kotri	875,000	44,000	2,000	42,000	2,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		45,000		25,000		Normal
▪ Nowshera			66,000		35,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			20,000		15,000		Normal
▪ Munda Head Works	150,000		8,000		6,000		Normal
▪ Charsadda Road Bridge			14,000		7,000		Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	48,000	17,000	42,000	38,000	225,000	Normal
▪ Rasul	850,000	16,000	8,000	38,000	16,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	62,000	30,000	58,000	26,000	400,000	Normal
▪ Khanki	1,100,000	37,000	29,000	10,000	3,000	400,000	Normal
▪ Qadirabad	900,000	44,000	22,000	33,000	13,000	400,000	Normal
▪ Trimmu	875,000	31,000	16,000	20,000	4,000	450,000	Normal
▪ Panjnad	865,000	20,000	4,000	10,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		9,000		9,000	150,000	Normal
▪ Shahdara	250,000		23,000		27,000	135,000	Normal
▪ Balloki	380,000	41,000	9,000	30,000	2,000	135,000	Normal
▪ Sidhnai	150,000	19,000	5,000	15,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	20,000	7,000	13,000	2,000	175,000	Normal
▪ Islam	300,000	3,000	1,000	1,000	NIL	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (in Feet)	Minimum Operating Level (in Feet)	Water Level (in feet)			Live Storage (MAF)			Present Storage (%age of total storage)
			2019	2020	2021	Maximum	Last Year	Today	
Tarbela	1550.00	1392.00	1405.04	1463.06	1430.91	5.882	1.729	0.668	11.35 %
Chashma	649.00	638.15	646.00	639.10	644.70	0.278	0.011	0.115	41.37 %
Mangla	1242.00	1050.00	1136.60	1217.00	1152.95	7.356	5.471	1.898	25.80 %
Total Live Storage						13.516	7.211	2.681	19.84 %

C. Skardu Temperature:

Skardu Temperature	Last Year 2020	Today 2021
Maximum	31.9 ⁰ C	34.0 ⁰ C
Minimum	14.2 ⁰ C	17.5 ⁰ 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)

* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"