



**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
SATURDAY JULY 17, 2021

All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing normal with no riverine flood situation in the country as depicted in **Annexure-I**. Today's Combined Live Storage capacity of Tarbela, Mangla & Chashma reservoirs is **4.183 MAF** which is **30.95%** of the total Combined Live Storage Capacity of **13.516 MAF**.

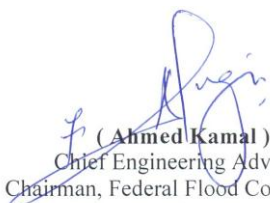
2. Yesterday's trough of Strong Westerly Wave over Northern parts of Iran has moved Eastwards and today lies over Northern parts of Afghanistan whereas weak Seasonal Low lies over Northern Balochistan. Mild moist current from Arabian Sea is penetrating into upper parts of Pakistan upto 5000 feet which is very likely to become strong from **18th July 2021**. Yesterday's upper air circulation over Southern parts of Mumbai (India) has become insignificant.

3. For the ensuing 24 hours, isolated thunderstorm/rain has been predicted by FFD, Lahore, over Punjab (D.G. Khan Division), Sindh and Balochistan including upper catchments of all the main rivers. No significant rainfall events during the past 24 hours has been reported by FFD, Lahore except for Padidan=32 mm, Shaheed Benazirabad=16 mm and Turbat=12 mm.

4. **Significant Weather/ Rainfall and Flood Forecast from 19th to 21st July 2021:** According to FFD, Lahore, fairly widespread thunderstorm/rain with **Heavy Falls** at scattered places, **Very Heavy Falls** at isolated places and **Extremely Heavy Falls** at one or two places are expected over upper catchments of rivers Indus, Kabul, Jhelum and Chenab including Khyber Pakhtunkhwa, Northern & Northeastern Punjab from **19th to 21st July, 2021**. Scattered thunderstorm/rain may also occur over upper catchments of Rivers Ravi, Sutlej and Beas during the same period. As a result, **Medium to High Flood** is expected in rivers Indus, Kabul including their tributaries/nullahs and Hill Torrents of D.G. Khan Division, besides, **High to Very High Flood** in river Jhelum (upstream Mangla reservoir) and river Chenab including its tributaries (local nullahs) from **20th July, 2021**.

5. **All concerned authorities are advised to remain ALERT, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties.**

6. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to its impact over Pakistan and all concerned are being kept fully abreast of the situation 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.

Distribution:

4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination), 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.
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. General Manager, 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
43. PS to CEA/CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 17-07-2021

Rivers and Reservoir Positions July 17, 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	149,000	177,000	153,000	650,000	Normal
▪ Kalabagh	950,000	221,000	213,000	189,000	182,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	214,000	203,000	650,000	Normal
▪ Taunsa	1,000,000	230,000	203,000	186,000	162,000	650,000	Normal
▪ Guddu	1,200,000	175,000	141,000	131,000	90,000	700,000	Normal
▪ Sukkur	900,000	125,000	68,000	80,000	34,000	700,000	Normal
▪ Kotri	875,000	62,000	22,000	25,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		32,000		33,000	200,000	Normal
▪ Nowshera			49,000		47,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			16,000		18,000	150,000	Normal
▪ Munda Head Works	150,000		13,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			10,000		8,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	36,000	20,000	40,000	8,000	225,000	Normal
▪ Rasul	850,000	20,000	12,000	2,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	63,000	30,000	59,000	26,000	400,000	Normal
▪ Khanki	1,100,000	33,000	25,000	23,000	15,000	400,000	Normal
▪ Qadirabad	900,000	29,000	7,000	18,000	NIL	400,000	Normal
▪ Trimmu	875,000	26,000	11,000	53,000	36,000	450,000	Normal
▪ Panjnad	865,000	13,000	NIL	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		8,000		5,000	150,000	Normal
▪ Shahdara	250,000		25,000		26,000	135,000	Normal
▪ Balloki	380,000	44,000	13,000	40,000	11,000	135,000	Normal
▪ Sidhnai	150,000	24,000	9,000	20,000	3,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	23,000	10,000	15,000	3,000	175,000	Normal
▪ Islam	300,000	7,000	5,000	2,000	NIL	175,000	Normal

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)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1483.39	1455.39	1458.82	5.882	1.418	1.489	25.31 %
Chashma	649.00	638.15	645.00	646.70	648.20	0.278	0.176	0.237	85.25 %
Mangla	1242.00	1050.00	1167.45	1225.95	1165.60	7.356	6.119	2.457	33.40 %
Total Live Storage						13.516	7.713	4.183	30.95 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	27.7 °C	34.1 °C
Minimum	15.3 °C	16.0 °C

NOTES: "Mild" Categories9

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"