



**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk


**DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY JULY 21, 2021**

Presently, river **Chenab at Khanki** and river **Kabul at Nowshera** are flowing in **Low Flood**, whereas all other main rivers (**Indus, Jhelum, Ravi and Sutlej**) are flowing normal. Actual river inflows/ outflows, reservoir elevations, live storage and today's temperature at Skardu may be seen at **Annexure-I**. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.086 MAF** which is **37.63%** of the total Combined Live Storage Capacity of **13.516 MAF**.

2. Yesterday's trough of strong Westerly Wave continues to prevail over Kashmir and adjoining areas, however it has weakened. Seasonal Low presently lies over Northeastern Balochistan with its trough extending Northeastwards. Weak moist currents from Arabian Sea and Bay of Bengal are penetrating into upper parts of the country upto 5000 feet.

3. As per FFD, Lahore, scattered thunderstorm/ rain with **Heavy Falls** at isolated places is expected over Punjab (**Rawalpindi, Sargodha, Gujranwala, Lahore, Multan & D.G Khan Divisions**) and Khyber Pakhtunkhwa including upper catchments of all the main rivers. Isolated thunderstorm/ rain may also occur over **Faisalabad, Sahiwal & Bahawalpur Divisions** of Punjab Province during the same period. Last 24 hours prominent rainfall events may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all the 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), 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.

Distribution:

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 21-07-2021

Rivers and Reservoir Positions July 21, 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	187,000	128,000	277,000	108,000	650,000	Normal
▪ Kalabagh	950,000	219,000	211,000	226,000	222,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	209,000	203,000	250,000	236,000	650,000	Normal
▪ Taunsa	1,000,000	215,000	191,000	197,000	169,000	650,000	Normal
▪ Guddu	1,200,000	180,000	142,000	154,000	112,000	700,000	Normal
▪ Sukkur	900,000	125,000	67,000	94,000	40,000	700,000	Normal
▪ Kotri	875,000	61,000	19,000	25,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		35,000		48,000	200,000	Normal
▪ Nowshera			56,000		87,000	200,000	Low Flood (R)
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			15,000		27,000	150,000	Normal
▪ Munda Head Works	150,000		11,000		16,000	150,000	Normal
▪ Charsadda Road Bridge			8,000		13,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	31,000	15,000	70,000	8,000	225,000	Normal
▪ Rasul	850,000	15,000	8,000	9,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	60,000	30,000	108,000	82,000	400,000	Normal
▪ Khanki	1,100,000	43,000	36,000	136,000	130,000	400,000	Low Flood (R)
▪ Qadirabad	900,000	42,000	20,000	98,000	78,000	400,000	Normal
▪ Trimmu	875,000	23,000	8,000	30,000	14,000	450,000	Normal
▪ Panjnad	865,000	25,000	9,000	25,000	10,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		12,000		15,000	150,000	Normal
▪ Shahdara	250,000		24,000		35,000	135,000	Normal
▪ Balloki	380,000	51,000	24,000	41,000	14,000	135,000	Normal
▪ Sidhnai	150,000	20,000	5,000	17,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	17,000	5,000	15,000	4,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	2,000	1,000	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	1496.01	1457.65	1476.86	5.882	1.508	2.230	37.91 %
Chashma	649.00	638.15	645.60	648.00	642.00	0.278	0.227	0.058	20.86 %
Mangla	1242.00	1050.00	1174.00	1227.00	1172.65	7.356	6.196	2.798	38.04 %
Total Live Storage						13.516	7.931	5.086	37.63 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	30.0 °C	23.0 °C
Minimum	13.0 °C	14.3 °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)

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

* FFC, Flood Communication Cell Duty Officer No. 051-9244616

Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission

DAILY WEATHER AND FLOOD SITUATION REPORT

WEDNESDAY JULY 21, 2021

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/ Observatory	Rainfall (mm)
A	Punjab	
1.	Faisalabad	118
2.	Hafizabad	91
3.	Lahore	Taj Pura = 86, Luckshami = 74, Shahi Qilla = 71, Shahdara = 70, Upper Mall = 68, Air Port = 66, Gulberg = 64, Township & Mughal Pura = 56 (each), Johar Town = 55, Gulshan-e-Ravi = 46, Samanabad = 45, Iqbal Town = 42, Misri Shah = 39 & Punjab University = 33.
4.	Sharqpur	84
5.	Gujranwala	81
6.	Islamabad	Saidpur = 79, Golra = 76 & Zero Point = 38
7.	Joharabad	71
8.	Ravi Syphon	58
9.	Jhang	57
10.	T.T Singh	55
11.	Narowal & Okara	46 (each)
12.	Noorpur Thal	46
13.	GS Wala	42
14.	Sialkot	32
15.	Kasur	32
16.	Sargodha	28
17.	Shorkot	27
18.	Mandibahauddin & Hajira	25 (each)
19.	Bhakkar	23
20.	Sahiwal	22
21.	Gujrat	20
22.	Mangla	17
23.	Shadiwal	13
24.	Kot Addu	12
25.	Dolat Nagar	11
26.	Murree	11
27.	D.G Khan (Zain Sanghar) & Parachinar	10 (each)
B	Khyber Pakhtunkhwa	
28.	Malam Jabba	68
29.	Besham	44
30.	Kakul	22
31.	Babusar	19
32.	Kalam & Pattan	18 (each)
33.	Phulra	15
C	Gilgit-Baltistan	
34.	Bagrote	22
35.	Gupis	16
36.	Shisper Glacier	11
D	AJ&K	
37.	Palandri	52
38.	Bandi Abbas Pur	36
39.	Panjera	30
40.	Kotli	19
41.	Muzaffarabad	18
42.	Balakot	18
43.	Brarkot	13
44.	Chattar Kallas	13
45.	Rawalakot	10

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