



**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
TUESDAY JULY 13, 2021**

All main rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej are flowing normal and there is no riverine flood situation in the country. **Annexure-I**, Column-5, Section-A indicates some good inflows generated in Rivers Indus, Jhelum and Chenab as a result of healthy rains in their respective catchment areas. Present Combined Live Storage of three main reservoirs (Tarbela, Mangla and Chashma) is **3.281 MAF (24.27% of 13.516 MAF** which is Maximum Combined Live Storage).

2. Yesterday's low-pressure area continues to prevail over South Orissa Coast (India) with strong trough of Westerly Wave now prevailing over Kashmir and adjoining areas. Also Seasonal Low continues to persist over Northern Balochistan.

3. As per FFD, Lahore, moderate moist currents from Bay of Bengal (India) are penetrating into upper parts of the country up to 5000 feet and are likely to weaken with upper air circulation presently prevailing over South Gujrat (India). **As against FFD's forecast of 200,000 cusecs to 300,000 cusecs high flows in River Chenab at Marala Headworks (1st Control Structure on River Chenab in Pakistan), the present inflow is 100,000 cusecs.**

4. For the ensuing 24 hours, scattered thunderstorm/rain of moderate intensity with isolated **Heavy Falls** have been predicted by FFD, Lahore, over Rawalpindi, Sargodha, & D.G. Khan Divisions of Punjab, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa including upper catchments of all the main rivers. During the same period, scattered thunderstorm/ rain may also occur over Gujranwala & Lahore Divisions (Punjab) and Sindh with isolated thunderstorm/rain over Faisalabad, Sahiwal, Multan & Bahawalpur Divisions (Punjab) and Eastern parts of Balochistan. Good rains have been experienced during the last 24 hours all over Pakistan including AJ&K (**Annexure-II**).

5. 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. All concerned are being kept fully abreast of the situation by 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.
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4. Secretary, Ministry of Water Resources, Islamabad.
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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 13-07-2021

Rivers and Reservoir Positions July 13, 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	159,000	153,000	221,000	95,000	650,000	Normal
▪ Kalabagh	950,000	234,000	227,000	188,000	181,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	200,000	190,000	650,000	Normal
▪ Taunsa	1,000,000	219,000	193,000	166,000	148,000	650,000	Normal
▪ Guddu	1,200,000	164,000	126,000	114,000	81,000	700,000	Normal
▪ Sukkur	900,000	115,000	58,000	78,000	30,000	700,000	Normal
▪ Kotri	875,000	69,000	26,000	28,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		34,000		33,000	200,000	Normal
▪ Nowshera			59,000		51,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			16,000		18,000	150,000	Normal
▪ Munda Head Works	150,000		14,000		13,000	150,000	Normal
▪ Charsadda Road Bridge			14,000		10,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	37,000	19,000	54,000	13,000	225,000	Normal
▪ Rasul	850,000	19,000	12,000	10,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	68,000	35,000	100,000	73,000	400,000	Normal
▪ Khanki	1,100,000	31,000	23,000	91,000	84,000	400,000	Normal
▪ Qadirabad	900,000	34,000	12,000	73,000	53,000	400,000	Normal
▪ Trimmu	875,000	15,000	NIL	33,000	17,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		10,000		14,000	150,000	Normal
▪ Shahdara	250,000		26,000		32,000	135,000	Normal
▪ Balloki	380,000	46,000	17,000	36,000	8,000	135,000	Normal
▪ Sidhnai	150,000	17,000	1,000	16,000	1,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	17,000	5,000	15,000	4,000	175,000	Normal
▪ Islam	300,000	3,000	1,000	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	1460.78	1459.85	1445.13	5.882	1.596	1.018	17.30%
Chashma	649.00	638.15	645.60	645.50	644.80	0.278	0.139	0.120	43.16%
Mangla	1242.00	1050.00	1159.30	1224.95	1158.75	7.356	6.045	2.143	29.13%
Total Live Storage						13.516	7.780	3.281	24.27%

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	26.6 °C	29.4 °C
Minimum	13.1 °C	16.2 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Narowal	117
2.	Noorpur Thal	98
3.	Jhang	96
4.	Bahawalpur	69
5.	T.T. Singh	60
6.	Lahore	53
7.	Mianwali	45
8.	DG Khan	43
9.	Sharqpur	41
10.	Islamabad	38
11.	Sialkot	37
12.	Hafizabad	36
13.	Gujranwala	27
14.	Kasur	26
15.	Chakwal	21
16.	Mangla	19
17.	Ravi Syphon	15
18.	Zafarwal	13
19.	Joharabad	12
20.	Kotnaina	11
B	Sindh	
21.	Mirpur Khas	29
22.	Hyderabad	28
23.	Karachi	24
24.	Chhor	14
25.	Thatta	11
C	Khyber Pakhtunkhwa	
26.	Balakot	49
27.	Besham	41
28.	Daggar	30
29.	Saidu Sharif	25
30.	Malam Jabba & Chakdara	13 each
31.	Bannu	12
D	Balochistan	
32.	Kalat	35
33.	Sibbi	24
34.	Zhob	16
35.	Ziarat	14
E	AJ&K	
36.	Brarkot	80
37.	Domel	57
38.	Bandi Abbaspur	33
39.	Rawalakot	29
40.	Muzaffarabad	22
41.	Chakothe	21
42.	Garhi Dopatta	15
43.	Nauseri	14
44.	Palandri	12
45.	Hajira & Chattar Kallas	11 each

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