



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
MONDAY JULY 12, 2021

At present, all main rivers of the Indus River System are flowing normal. River inflows/ outflows at important locations alongwith major reservoirs water levels & storage position may be seen at **Annexure-I**. Present Combined Live Storage of three main reservoirs is **3.080 MAF (22.78% of 13.516 MAF)**.

2. As per FFD, Lahore low-pressure area continues to persist over South Orissa Coast (India) with strong moist currents from Bay of Bengal (India) penetrating into the upper parts of Pakistan upto 7000 feet. The Mediterranean Sea strong trough of Westerly Wave has shifted close to Pakistan from Afghanistan with present location over Northern parts. Also a Marked Arabian Sea Seasonal Low at present prevails over North Balochistan.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered to fairly wide-spread thunderstorm/rain of moderate intensity with isolated **Heavy Falls** over Rawalpindi, Sargodha, Gujranwala & Lahore Divisions of Punjab including upper catchments of all the main rivers. Scattered thunderstorm/ rain over Sindh Province and isolated thunder storm/rain over Punjab (Faisalabad, Sahiwal, Multan, D.G. Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) including Eastern Balochistan may also occur during the same period. Last 24 hours prominent rainfall events may be seen at **Annexure-II**.

4. During the coming 24-48 hours significant flood flows are expected in River Chenab owing to river discharges upstream Marala Headworks (1st control point/ structure on River Chenab in Pakistan). Under this situation, **River Chenab at Marala, Khanki, Qadirabad** is likely to attain **High Flood (ranging from 200,000 cusecs to 300,000 cusecs)**, besides its associated Nullahs. Besides this, sharp peaks of **Medium Flood** are also likely in River Jhelum at **Mangla (upstream)** with **Moderate Flooding** in the Nullahs of River Ravi during the same period.

5. **All concerned authorities are advised to remain ALERT, monitor the weather 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) and keeping all concerned fully abreast of the situation through FFD, Lahore.

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

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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.
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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 12-07-2021

Rivers and Reservoir Positions July 12, 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	169,000	152,000	193,000	84,000	650,000	Normal
▪ Kalabagh	950,000	223,000	215,000	178,000	172,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	180,000	169,000	650,000	Normal
▪ Taunsa	1,000,000	214,000	189,000	155,000	137,000	650,000	Normal
▪ Guddu	1,200,000	164,000	125,000	117,000	84,000	700,000	Normal
▪ Sukkur	900,000	113,000	56,000	78,000	30,000	700,000	Normal
▪ Kotri	875,000	59,000	16,000	28,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		32,000		36,000	200,000	Normal
▪ Nowshera			60,000		37,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			15,000		18,000	150,000	Normal
▪ Munda Head Works	150,000		15,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			13,000		7,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	47,000	25,000	46,000	8,000	225,000	Normal
▪ Rasul	850,000	23,000	16,000	23,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	68,000	35,000	89,000	55,000	400,000	Normal
▪ Khanki	1,100,000	35,000	27,000	40,000	33,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	51,000	31,000	400,000	Normal
▪ Trimmu	875,000	15,000	NIL	29,000	12,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		10,000		10,000	150,000	Normal
▪ Shahdara	250,000		26,000		29,000	135,000	Normal
▪ Balloki	380,000	50,000	19,000	35,000	7,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	15,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	18,000	5,000	15,000	3,000	175,000	Normal
▪ Islam	300,000	3,000	1,000	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	1453.94	1460.42	1440.75	5.882	1.620	0.907	15.41%
Chashma	649.00	638.15	645.90	645.30	644.90	0.278	0.133	0.123	44.24%
Mangla	1242.00	1050.00	1157.05	1224.60	1156.55	7.356	6.020	2.050	27.86%
Total Live Storage						13.516	7.773	3.080	22.78%

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	30.8 °C	36.8 °C
Minimum	17.4 °C	21.2 °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.	Sialkot	193
2.	Jhelum	98
3.	Mangla	70
4.	Gujrat	66
5.	Mandibahauddin	50
6.	Gujranwala	49
7.	Sargodha & Daultnagar	28 each
8.	Rohtas & Marala	27 each
9.	Shadiwal & Murree	21 each
10.	Islamabad	20
11.	Aik Nullah (Ura)	10
B	Khyber Pakhtunkhwa	
12.	Kakul	180
13.	Saidu Sharif	110
14.	Phulra	81
15.	Shinkhari	55
16.	Oghi	52
17.	Malam Jabba	51
18.	Balakot	39
19.	Buner	33
20.	Daggar	29
21.	Lower Dir	20
22.	Chakdara	19
C	AJ&K	
23.	Palandri	111
24.	Kotli	48
25.	Domel	36
26.	Barnala	32
27.	Hajira	31
28.	Bandi Abbaspur & Tandali	28 each
29.	Chakothi	26
30.	Panjera	22
31.	Chattar Kallas	20
32.	Garhi Dopatta	19
33.	Nauseri	16
34.	Muzaffarabad	13
35.	Brarkot	12

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