



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 31, 2021

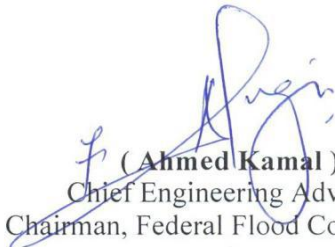
River Indus in "**Kalabagh-Chashma Reach**" and River Chenab at **Khanki Barrage** are flowing in **Low Flood** whereas all other main rivers (**Jhelum, Ravi & Sutlej**) are flowing with normal discharges. For rivers inflows/outflows at important control structures, reservoir position and Skardu temperature, **Annexure-I** may be seen. Today's Combined Live Storage of country's major reservoirs (**Tarbela, Chashma & Mangla**) is **7.802 MAF** (**58%** of the existing storage capacity of **13.516 MAF**).

2. Yesterday's **Well Marked Monsoon Low** over Eastern parts of Jharkhand (India) has moved North-Westwards and today lies over Northwestern Jharkhand (India). Trough of Westerly Wave earlier over Northern parts of Afghanistan today lies over Northern parts of the country whereas Weak Seasonal Low lies over Northern Balochistan. Light to Moderate moist current from Bay of Bengal is penetrating into upper parts of the country up to 5000 feet.

3. According to FFD, Lahore, scattered thunderstorm/rain of **Moderate Intensity** is expected over the **Punjab** (Rawalpindi, Gujranwala & Sargodha Divisions), **Khyber Pakhtunkhwa** (Peshawar, Kohat, Bannu & D.I. Khan Divisions) including upper catchments of all the main rivers during the next 24 hours. **Isolated** thunderstorm/rain may also occur over Lahore, Faisalabad, Sahiwal, Multan, D.G. Khan & Bahawalpur Divisions of Punjab Province during the same period. Prominent rainfall events reported by FFD, Lahore, during the past 24 hours may be seen at **Annexure-II**.

4. All concerned Authorities are advised to remain **vigilant** on **24 hours basis**, closely watch the weather, rain and flood situation and accordingly ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to important installations including public & private properties.

5. 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

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27. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
28. Secretary, Irrigation Department, Government of Balochistan, Quetta.
29. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
32. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
33. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
34. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
35. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
36. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
37. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
38. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
39. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
40. Principal Information Officer, Press Information Department, Islamabad.
41. Director (News), Associated Press of Pakistan, Islamabad.
42. Director (News), Pakistan Television, Islamabad.
43. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
44. PS to CEA/ CFFC Islamabad.

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

Rivers and Reservoir Positions July 31, 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							
▪ <i>Tarbela Reservoir</i>	1,500,000	196,000	114,000	351,000	165,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	183,000	175,000	297,000	290,000	650,000	Low Flood ↑
▪ <i>Chashma Reservoir</i>	950,000	196,000	190,000	298,000	289,000	650,000	Low Flood ↓
▪ <i>Taunsa</i>	1,000,000	198,000	172,000	193,000	172,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	158,000	120,000	149,000	108,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	110,000	53,000	100,000	46,000	700,000	Normal
▪ <i>Kotri</i>	875,000	70,000	30,000	63,000	26,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		34,000		45,000	200,000	Normal
▪ <i>Nowshera</i>			50,000		68,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			13,000		18,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		10,000		16,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			8,000		11,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	33,000	13,000	50,000	11,000	225,000	Normal
▪ <i>Rasul</i>	850,000	7,000	NIL	4,000	NIL	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	61,000	30,000	106,000	91,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	40,000	32,000	119,000	113,000	400,000	Low Flood ↑
▪ <i>Qadirabad</i>	900,000	39,000	17,000	86,000	66,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	30,000	16,000	123,000	107,000	450,000	Normal
▪ <i>Panjanad</i>	865,000	33,000	17,000	28,000	12,000	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		13,000		11,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		27,000		27,000	135,000	Normal
▪ <i>Balloki</i>	380,000	45,000	14,000	53,000	25,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	19,000	5,000	26,000	9,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	14,000	1,000	15,000	2,000	175,000	Normal
▪ <i>Islam</i>	332,000	2,000	NIL	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	1530.00	1468.60	1517.36	5.882	1.959	4.104	70.00 %
Chashma	649.00	638.15	640.00	647.90	639.50	0.278	0.186	0.017	6.11 %
Mangla	1242.00	1050.00	1189.05	1229.80	1189.15	7.356	6.403	3.681	50.04 %
Total Live Storage						13.516	8.548	7.802	58.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	35.1 °C	24.6 °C
Minimum	17.8 °C	15.5 °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.	Bhakkar	36
2.	Islamabad	(Bokra & New Airport=21 each) Golra=16, Chaklala (Airbase)=08
3.	Jhang	21
4.	T.T. Singh	16
5.	Sargodha	(City=15 & Airbase=14)
6.	Noorput Thal	13
7.	Mianwali	12
B	Khyber Pakhtunkhwa	
8.	Malam Jabba	68
9.	Kohat (Airbase)	50
10.	Bannu	41
11.	Mohamand Dam	35
12.	Cherat & Daggar	23 each
13.	D.I.Khan	22
14.	Balakot	20
15.	Risalpur	19
16.	Buner	17
17.	Dir	12
C	AJ & K	
18.	Domel	41
19.	Muzaffarabad	(City=40 & Airport=14)
20.	Joharabad	26
21.	Brarkot	11
22.	Rawalakot	10

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