



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
MONDAY AUGUST 02, 2021

River Indus at present, is flowing in **Low Flood** in "**Kalabagh-Chashma-Taunsa Reaches**" owing to continued good rains in its upper catchment areas. As a consequence, appreciable increase in Tarbela reservoir storage is being observed. Other main rivers of the Indus River System (**Jhelum, Chenab, Ravi and Sutlej**) are flowing with "Normal Discharges". **Annexure-I** is referred for inflows/outflows of main rivers at 0600 hours today at important control structures & storage position of major reservoirs, besides, Skardu Temperature. Combined Live Storage of country's three major reservoirs, as of today is **8.324 MAF** (i.e. about **62%** of the total value of **13.516 MAF**).

2. Yesterday's **Well Marked Monsoon Low** over Southeastern Uttar Pradesh (India) today prevails over Southern Uttar Pradesh (India). Trough of Westerly Wave prevails over Northern parts of Afghanistan. Light to Moderate moist currents from Bay of Bengal and Arabian Sea are penetrating into upper parts of the country up to 5000 feet with weak Seasonal Low lying over Northern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Rawalpindi, D.G. Khan & Bahawalpur Divisions (Punjab)** and **Peshawar, Kohat, Bannu & D.I. Khan Divisions (Khyber Pakhtunkhwa)** including upper catchments of all the main rivers of Indus River System. In addition to this, for the same time span, isolated thunderstorm/rain of **Moderate Intensity** with one or two **Heavy Falls** may also occur over **Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Multan Divisions** of Punjab Province. Prominent rainfall events recorded 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 and flood situation and ensure necessary precautionary measures to avoid any loss of precious human lives and damage to private & public 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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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 02-08-2021

Rivers and Reservoir Positions August 02, 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	221,000	109,000	301,000	163,000	650,000	Normal
▪ Kalabagh	950,000	191,000	183,000	279,000	272,000	650,000	Low Flood ↑
▪ Chashma Reservoir	950,000	197,000	181,000	339,000	330,000	650,000	Low Flood ↑
▪ Taunsa	1,000,000	187,000	165,000	305,000	276,000	650,000	Low Flood ↑
▪ Guddu	1,200,000	156,000	129,000	178,000	135,000	700,000	Normal
▪ Sukkur	900,000	111,000	54,000	100,000	46,000	700,000	Normal
▪ Kotri	875,000	61,000	21,000	48,000	11,000	650,000	Normal
River Kabul							
▪ Warsak	540,000		42,000		34,000	200,000	Normal
▪ Nowshera			54,000		70,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			14,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		10,000		16,000	150,000	Normal
▪ Charsadda Road Bridge			9,000		11,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	30,000	14,000	50,000	8,000	225,000	Normal
▪ Rasul	850,000	7,000	NIL	7,000	NIL	225,000	Normal
River Chenab							
▪ Marala	1,100,000	72,000	40,000	97,000	71,000	400,000	Normal
▪ Khanki	1,100,000	40,000	32,000	99,000	92,000	400,000	Normal
▪ Qadirabad	900,000	39,000	17,000	108,000	88,000	400,000	Normal
▪ Trimmu	875,000	22,000	8,000	66,000	49,000	450,000	Normal
▪ Panjnad	865,000	17,000	7,000	33,000	17,000	450,000	Normal
River Ravi							
▪ Jassar	275,000		12,000		9,000	150,000	Normal
▪ Shahdara	250,000		27,000		22,000	135,000	Normal
▪ Balloki	380,000	52,000	22,000	38,000	9,000	135,000	Normal
▪ Sidhnai	150,000	20,000	7,000	29,000	13,000	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	14,000	1,000	17,000	4,000	175,000	Normal
▪ Islam	332,000	2,000	NIL	1,000	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	1534.00	1476.33	1524.00	5.882	2.287	4.447	76.00 %
Chashma	649.00	638.15	641.00	646.60	639.50	0.278	0.173	0.017	6.11 %
Mangla	1242.00	1050.00	1192.70	1230.70	1192.20	7.356	6.472	3.860	52.47 %
Total Live Storage						13.516	8.932	8.324	61.58 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	30.0 °C	28.4 °C
Minimum	16.7 °C	16.3 °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)

* (↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (→) 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.	Islamabad	46
2.	Noorpur Thal	42
3.	Mianwali	32
4.	Attock	31
5.	Lahore	27
6.	Sialkot & Kamra	22 each
7.	T.T. Singh	13
8.	Murree & Jhang	05 each
B	Khyber Pakhtunkhwa	
9.	Malam Jabba	78
10.	Tarbela	46
11.	Kakul	29
12.	Saidu Sharif	21
13.	Takht Bai & Mardan	20 each
14.	D.I.Khan	15
15.	Parachinar	12
16.	Risalpur & Lower Dir	08 each
17.	Dir	07
18.	Cherat, & Pattan	05 each
C	Gilgit-Baltistan	
19.	Bunji	11
20.	Bagrote	08
21.	Gupis & Gilgit	07 each
D	A J & K	
22.	Brarkot	17
23.	Rawalakot & Palandri	13 each
24.	Garhi Dopatta	10
25.	Chakothei	07

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