



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
THURSDAY SEPTEMBER 23, 2021

River Jhelum catchment areas, during the past 24 hours have received good rains but with no impact on overall storage. **Annexure-I** depicts today's inflows/ outflows of major rivers alongwith Tarbela, Chashma and Mangla reservoirs levels and storages.

2. **Monsoon Low** earlier over Northwest Bay of Bengal (India) today lies over Northern Chattisgarh (India). Its movement, intensity and any likely impact over Pakistan is being closely monitored by FFD, Lahore. Trough of Westerly Wave continues to persist over Kashmir and adjoining areas with Seasonal Low lies over Northern Balochistan. At present, moist currents of **Moderate Intensity** from both Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan upto 5000 feet.

3. For the ensuing 24 hours, scattered thunderstorm/rain of **Light to Moderate Intensity** with isolated **Heavy Falls** has been predicted by FFD, Lahore over **Islamabad, Punjab (Rawalpindi, Gujranwala, Bahawalpur & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Sindh and Eastern Balochistan** including upper catchments of rivers Kabul, Indus & Jhelum. During the same time interval, scattered thunderstorm/rain of **Light to Moderate Intensity** may also occur over **Sargodha, Lahore, Faisalabad, Sahiwal & Multan Divisions** of Punjab Province besides over upper catchments of rivers Chenab, Ravi and Sutlej. Significant rainfall events reported during past 24 hours may be seen at **Annexure-II**.

4. Round-the-Clock and well co-ordinated monitoring of prevalent meteorological conditions over Pakistan is being constantly done by Pakistan Meteorological Department and is keeping all concerned fully abreast of the situation through its Flood Forecasting Division (FFD) at Lahore.

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

Distribution:

1. Minister for Water Resources, Islamabad.
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4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
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8. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
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22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
26. Secretary, Irrigation Department, Government of Sindh, Karachi.
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 23-09-2021

Rivers and Reservoir Positions September 23, 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	83,000	104,000	110,000	102,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	94,000	86,000	119,000	111,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	110,000	105,000	148,000	125,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	113,000	94,000	138,000	116,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	101,000	71,000	126,000	94,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	68,000	23,000	81,000	26,000	700,000	Normal
▪ <i>Kotri</i>	875,000	199,000	182,000	20,000	1,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		11,000		16,000	200,000	Normal
▪ <i>Nowshera</i>			10,000		17,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			6,000		9,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		4,000		3,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			3,000		2,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	18,000	52,000	24,000	17,000	225,000	Normal
▪ <i>Rasul</i>	850,000	47,000	27,000	18,000	NIL	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	32,000	7,000	30,000	5,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	9,000	1,000	13,000	6,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	21,000	NIL	25,000	3,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	46,000	32,000	29,000	13,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	29,000	13,000	24,000	10,000	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		4,000		5,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		16,000		22,000	135,000	Normal
▪ <i>Balloki</i>	380,000	37,000	4,000	40,000	14,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	21,000	4,000	24,000	7,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	16,000	2,000	16,000	5,000	175,000	Normal
▪ <i>Islam</i>	332,000	1,000	NIL	2,000	NIL	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1536.48	1549.44	1520.27	5.882	5.948	4.256	72.35 %
Chashma	649.00	638.15	645.00	645.70	646.00	0.278	0.145	0.153	55.03 %
Mangla	1242.00	1050.00	1217.00	1235.70	1189.55	7.356	6.860	3.703	50.33 %
Total Live Storage						13.516	12.953	8.112	60.01 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.8 °C	25.3 °C
Minimum	7.3 °C	11.4 °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.	Jhelum	116
2.	Palandri	50
3.	Dhulli	30
4.	Islamabad	27
5.	Kasur	24
6.	Rohtas	22
7.	Mangla	21
8.	Mianwali	15
9.	Kamra	14
10.	Mandibahauddin	11
11.	Haraman	10
12.	Murree	07
13.	Dhok Pathan	06
14.	GS Wala	05
B. Sindh		
15.	Mithi	15
16.	Thatta	05
C. Khyber Pakhtunkhwa		
17.	Malam Jabba	55
18.	Attock	36
19.	Oghi	27
20.	Balakot	25
21.	Buner	15
22.	Lower Dir	13
23.	Saidu Sharif	10
24.	Besham	09
25.	Tarbela	07
26.	Shinkiari	05
D. AJ&K		
27.	Garhi Dopatta	27
28.	Rawalakot	23
29.	Hajira	17
30.	Brarkot	12

Source: FFD, Lahore