



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 AUGUST 28, 2021

All main rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Discharges". The inflows/outflows of major rivers at important control structures & storage position of major reservoirs (Tarbela, Chashma & Mangla) at 0600 hours today alongwith Skardu maximum & minimum temperature may be seen at **Annexure-I**. The present Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **9.991 MAF (74%** of the total existing Combined Live Storage Capacity of **13.516 MAF**).

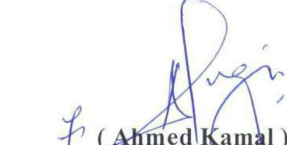
2. Yesterday's trough of Westerly Wave over Northeastern Afghanistan today lies over Northern parts of the country whereas **Marked Seasonal Low** lies over Northeastern Balochistan and its trough is extending Northwards. A fresh Monsoon Low has developed over Northwest Bay of Bengal. Its further movement is being monitored by PMD. Moist currents of moderate intensity from Arabian Sea & Bay of Bengal are penetrating into the upper parts of the country upto 5000 feet & 3000 feet respectively.

3. Flood Forecasting Division, Lahore has predicted scattered thunderstorm/rain of **moderate intensity** over the upper catchments of all the major rivers, besides, Peshawar, Kohat & Bannu Divisions of Khyber Pakhtunkhwa and Rawalpindi, Gujranwala & Sargodha Divisions of Punjab during the next 24 hours. Isolated thunderstorm/rain may also occur over Lahore Division during the same period. Noticeable rainfall events during the past 24 hours may be seen at **Annexure-II**.

Weather Prediction for next 72 hours:

4. According to FFD, Lahore, scattered thunderstorm/rain of moderate intensity is expected over the upper catchments of all the major rivers including Khyber Pakhtunkhwa, Punjab & Northeast Balochistan during the next 72 hours.

5. Pakistan Meteorological Department (PMD) is monitoring the present weather system and keeping informed all concerned through FFD, Lahore.


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

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16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
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22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
24. Chief Commissioner, Islamabad.
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 28-08-2021

Rivers and Reservoir Positions August 28, 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	240,000	269,000	191,000	157,000	650,000	Normal
▪ Kalabagh	950,000	240,000	233,000	183,000	176,000	650,000	Normal
▪ Chashma Reservoir	950,000	272,000	267,000	206,000	193,000	650,000	Normal
▪ Taunsa	1,000,000	208,000	193,000	135,000	116,000	650,000	Normal
▪ Guddu	1,200,000	226,000	218,000	99,000	73,000	700,000	Normal
▪ Sukkur	900,000	214,000	211,000	67,000	26,000	700,000	Normal
▪ Kotri	875,000	47,000	46,000	29,000	NIL	650,000	Normal
River Kabul							
▪ Warsak	540,000		38,000		17,000	200,000	Normal
▪ Nowshera			53,000		18,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ Chakdara Bridge			46,000		9,000	150,000	Normal
▪ Munda Head Works	150,000		13,000		3,000	150,000	Normal
▪ Charsadda Road Bridge			6,000		3,000	100,000	Normal
River Jhelum							
▪ Mangla Reservoir	1,060,000	105,000	100,000	16,000	17,000	225,000	Normal
▪ Rasul	850,000	76,000	76,000	29,000	12,000	225,000	Normal
River Chenab							
▪ Marala	1,100,000	255,000	250,000	65,000	30,000	400,000	Normal
▪ Khanki	1,100,000	249,000	243,000	34,000	27,000	400,000	Normal
▪ Qadirabad	900,000	207,000	186,000	36,000	14,000	400,000	Normal
▪ Trimmu	875,000	37,000	23,000	20,000	4,000	450,000	Normal
▪ Panjnad	865,000	41,000	27,000	11,000	NIL	450,000	Normal
River Ravi							
▪ Jassar	275,000		31,000		3,000	150,000	Normal
▪ Shahdara	250,000		34,000		19,000	135,000	Normal
▪ Balloki	380,000	49,000	23,000	34,000	5,000	135,000	Normal
▪ Sidhnai	150,000	29,000	14,000	15,000	NIL	90,000	Normal
River Sutlej							
▪ Suleimanki	325,000	16,000	3,000	17,000	3,000	175,000	Normal
▪ Islam	332,000	8,000	7,000	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	1550.00	1550.00	1545.32	5.882	5.980	5.615	95.46 %
Chashma	649.00	638.15	648.50	643.50	641.80	0.278	0.089	0.054	19.42 %
Mangla	1242.00	1050.00	1218.70	1242.00	1199.90	7.356	7.356	4.322	59.00 %
Total Live Storage						13.516	13.425	9.991	74.00 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	19.0 °C	34.4 °C
Minimum	9.3 °C	19.2 °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)

* (↑) 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.	Murree	31
2.	Attock	24
3.	Deolian	22
4.	Sialkot (Cantt=20 & Airport=01)	20
5.	Islamabad(Golra=13, Chaklala Airbase=12, Shamsabad=09 & Zeropoint=06)	13
6.	Marala	05
B	Khyber Pakhtunkhwa	
7.	Phulra	37
8.	Dir	33
9.	Balakot	35
10.	Kakul	30
11.	Shinkiari	27
12.	Tarbela	21
13.	Besham	18
14.	Daggar	13
15.	Drosh	09
16.	Kohat	07
17.	Oghi	06
18.	Buner, Mirkhani & Chakdara	05 each
C	AJ&K	
19.	Garhi Dopatta	31
20.	Hajira	30
21.	Haraman	28
22.	Chattar Kallas	25

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23.	Domel & Tendali	24 each
24.	Bandi Abbaspur	22
25.	Brarkot	18
26.	Muzaffarabad (City=17 & Airport=14)	17
27.	Dulli	16
28.	Palandri	15
29.	Chakothi	09
30.	Nauseri	05

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