



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
TUESDAY SEPTEMBER 14, 2021

Dry weather is prevailing over Pakistan with minimal rainfall activity observed during the past 48 hours. River system remains in its “Normal Regime” with no more gain in overall reservoir storage presently at **65.79%** of the total (**8.892 MAF Vs 13.516 MAF**). **Annexure-I** is referred for latest river inflows/ outflows, major reservoir levels and storage positions.

2. Yesterday’s “**Depression**” over North Orissa (India) today lies over Northern Chhattisgarh (India) and adjoining areas with weak Seasonal Low continues to prevail over Northern Balochistan. Moist currents from both Arabian Sea and Bay of Bengal are penetrating upto 3000 feet into the Southeastern parts of Sindh (Pakistan).

3. As per FFD, Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. Nonetheless, there is likelihood of isolated thunderstorm/rain over **Southeastern Sindh** and upper catchments of all the main rivers. No mentionable rainfall event has been experienced during the past 24 hours except for 08 mm in Bagrote (Gilgit-Baltistan).

Significant Weather Outlook (September 15-21, 2021):

4. Under the influence of “**Depression**”, presently located at Northern Chhattisgarh (India), a wet spell of **Moderate to Heavy Intensity** is expected over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej from 19th September 2021. Resultantly, starting from September 19, 2021 discharges in all the main rivers may increase except for rivers Indus & Kabul.

5. Close monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department without any halt and all concerned are kept fully abreast of the situation by PMD through its Flood Forecasting Division at Lahore.

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

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Information & Broadcasting, Islamabad.
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.
7. Director General (Coordination), President’s Secretariat (Public), Aiwan-E-Sadr, Islamabad.
8. Chairman, National Disaster Management Authority, Prime Minister’s Office, Islamabad.

Distribution:

9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
10. Chief Executive Officer, Pakistan Railways, Lahore
11. Member (Infrastructure), Planning Commission, Islamabad
12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad
15. Chairman, Indus River System Authority, Islamabad.
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.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
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 14-09-2021

Rivers and Reservoir Positions September 14, 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	108,000	84,000	118,000	126,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	123,000	117,000	167,000	160,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	146,000	130,000	172,000	153,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	139,000	126,000	147,000	127,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	230,000	201,000	132,000	101,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	335,000	292,000	93,000	35,000	700,000	Normal
▪ <i>Kotri</i>	875,000	255,000	244,000	20,000	NIL	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		13,000		16,000	200,000	Normal
▪ <i>Nowshera</i>			20,000		24,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			7,000		11,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		8,000		4,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			6,000		3,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	29,000	29,000	20,000	22,000	225,000	Normal
▪ <i>Rasul</i>	850,000	26,000	8,000	23,000	8,000	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	45,000	12,000	40,000	17,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	15,000	7,000	36,000	29,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	24,000	2,000	51,000	29,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	79,000	65,000	38,000	22,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	81,000	66,000	16,000	NIL	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		5,000		10,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		19,000		22,000	135,000	Normal
▪ <i>Balloki</i>	380,000	40,000	8,000	52,000	25,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	20,000	3,000	26,000	9,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	16,000	2,000	20,000	7,000	175,000	Normal
▪ <i>Islam</i>	332,000	3,000	1,000	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	1547.47	1550.00	1531.74	5.882	5.980	4.858	82.59 %
Chashma	649.00	638.15	647.20	648.80	647.00	0.278	0.268	0.186	66.91 %
Mangla	1242.00	1050.00	1222.10	1242.00	1192.00	7.356	7.356	3.848	52.31 %
Total Live Storage						13.516	13.604	8.892	65.79 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	29.2 °C	27.6 °C
Minimum	11.2 °C	10.0 °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"