



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 SEPTEMBER 13, 2021

Rainfall activity has receded and mainly dry weather has been observed over most parts of the country during the last 24 hours. This year due to somewhat depressed monsoon, all main rivers of the Indus River System continue to flow with "Normal Discharges" since **10th August 2021** with no riverine flood situation in the country. The Reservoir total storage position stands at **65.93%** of the total storage value (**8.912 MAF Vs 13.516 MAF**). **Annexure-I** depicts all related details.

2. Bay of Bengal's **Well Marked Low** over Northwestern parts today lies over North Orissa (India) and has converted into "**Depression**", whereas the other **Monsoon Low** over Eastern Rajasthan (India) has become insignificant. Moist currents from both Arabian Sea and Bay of Bengal are penetrating upto 3000 feet into Southeastern Sindh. Trough of Westerly Wave over Kashmir and adjoining areas has moved away eastwards while Seasonal Low continues to persist over Northern Balochistan.

3. For the ensuing 24 hours, mainly dry weather has been predicted by FFD, Lahore over most parts of the country. Nonetheless, there is likelihood of isolated thunderstorm/rain over **Southeastern Sindh** and upper catchments of all the main rivers of Indus River System. No prominent rainfall has been recorded during past 24 hours except for Lahore =25 mm and Parachinar =10 mm.

4. Effective and Round-the-Clock monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department and keeping all concerned fully abreast of the situation through its Flood Forecasting Division at Lahore.


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

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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.
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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 13-09-2021

Rivers and Reservoir Positions September 13, 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	103,000	84,000	150,000	111,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	143,000	140,000	150,000	143,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	150,000	137,000	172,000	153,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	143,000	131,000	159,000	140,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	293,000	261,000	135,000	104,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	411,000	368,000	92,000	35,000	700,000	Normal
▪ <i>Kotri</i>	875,000	254,000	244,000	27,000	3,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		15,000		19,000	200,000	Normal
▪ <i>Nowshera</i>			21,000		36,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			7,000		12,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		8,000		6,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			7,000		7,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	29,000	29,000	27,000	13,000	225,000	Normal
▪ <i>Rasul</i>	850,000	32,000	15,000	25,000	8,000	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	44,000	12,000	67,000	38,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	13,000	6,000	37,000	30,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	31,000	9,000	45,000	23,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	87,000	73,000	45,000	28,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	97,000	82,000	14,000	NIL	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		5,000		9,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		18,000		20,000	135,000	Normal
▪ <i>Balloki</i>	380,000	39,000	9,000	56,000	30,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	20,000	4,000	24,000	7,000	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	16,000	2,000	17,000	5,000	175,000	Normal
▪ <i>Islam</i>	332,000	7,000	5,000	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	1548.44	1550.00	1532.09	5.882	5.980	4.877	82.91 %
Chashma	649.00	638.15	646.70	649.00	647.10	0.278	0.278	0.190	68.34 %
Mangla	1242.00	1050.00	1222.40	1242.00	1191.95	7.356	7.356	3.845	52.27 %
Total Live Storage						13.516	13.614	8.912	65.93 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	30.2 °C	25.4 °C
Minimum	9.4 °C	13.3 °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"