



**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**  
**TUESDAY SEPTEMBER 28, 2021**

All main rivers of Indus River System continue to flow in their Normal Flow Condition. Inflows/ outflows of major river including major reservoirs storage position is given in **Annexure-I**.

2. Yesterday's "**Deep Depression**" over South Orissa (India) and adjoining Andhra Pradesh (India) has further weakened and converted into "**Depression**" and presently lies over Northwestern Telangana (India). Further to above, **Moderate** to **Strong Monsoon** currents from both Bay of Bengal & Arabian Sea are penetrating into Sindh, Eastern & Coastal areas of Balochistan and Southern Punjab up to 10,000 feet while weak Seasonal Low lies over Northern Balochistan (Ref: FFD, Bulliton No. A-106/21).

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered to fairly widespread thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** over **Sindh Province**, besides scattered thunderstorm/rain of **Moderate Intensity** over **Eastern & Coastal areas of Balochistan Province**. Rainfall events of past 24 hours have been depicted in **Annexure-II**.

**Weather & Flood Forecast for 29<sup>th</sup> September to 2<sup>nd</sup> October 2021:**

4. Widespread thunderstorm/rain with scattered **Heavy** to **Very Heavy Falls** and **Isolated Extremely Heavy Falls** are expected over **Sindh Province** and **Eastern & Coastal areas of Balochistan**. This may cause **Urban and Rural Flooding** in **Sindh Province** from **29<sup>th</sup> September to 1<sup>st</sup> October, 2021**. There is also likelihood of **Heavy to Very Heavy Floods** in the local Rivers/ Nullahs of **Eastern and Coastal areas of Balochistan** from **30<sup>th</sup> September to 2<sup>nd</sup> October, 2021**.

5. All concerned Authorities in **Sindh and Balochistan** are advised to remain vigilant on round-the-clock basis, closely watch the weather, rain and flood situation and accordingly ensure fool proof precautionary measures to avoid loss of precious human lives and damage to public & private properties.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system especially with regards to the "**Depression**" including its further movement, intensity and impact on Pakistan on Round-the-Clock basis and keeping all concerned informed through FFD, 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.

## **Distribution:**

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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 28-09-2021

## Rivers and Reservoir Positions September 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
<b>River Indus</b>							
▪ Tarbela Reservoir	1,500,000	78,000	74,000	75,000	94,000	650,000	Normal
▪ Kalabagh	950,000	98,000	91,000	122,000	114,000	650,000	Normal
▪ Chashma Reservoir	950,000	104,000	98,000	128,000	109,000	650,000	Normal
▪ Taunsa	1,000,000	101,000	83,000	117,000	97,000	650,000	Normal
▪ Guddu	1,200,000	89,000	68,000	98,000	72,000	700,000	Normal
▪ Sukkur	900,000	64,000	19,000	66,000	17,000	700,000	Normal
▪ Kotri	875,000	57,000	41,000	19,000	2,000	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		10,000			200,000	Normal
▪ Nowshera			10,000		13,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			5,000			150,000	Normal
▪ Munda Head Works	150,000		3,000			150,000	Normal
▪ Charsadda Road Bridge			3,000			100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	12,000	39,000	16,000	30,000	225,000	Normal
▪ Rasul	850,000	40,000	19,000	15,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	29,000	7,000	30,000	5,000	400,000	Normal
▪ Khanki	1,100,000	11,000	3,000	8,000	1,000	400,000	Normal
▪ Qadirabad	900,000	22,000	NIL	13,000	NIL	400,000	Normal
▪ Trimmu	875,000	36,000	20,000	30,000	14,000	450,000	Normal
▪ Panjnad	865,000	26,000	10,000	20,000	5,000	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		4,000		4,000	150,000	Normal
▪ Shahdara	250,000		10,000		15,000	135,000	Normal
▪ Balloki	380,000	35,000	2,000	29,000	NIL	135,000	Normal
▪ Sidhnai	150,000	18,000	NIL	25,000	8,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	16,000	2,000	15,000	3,000	175,000	Normal
▪ Islam	332,000	1,000	NIL	2,000	1,000	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	1530.56	1548.19	1514.42	5.882	5.877	3.956	67.25 %
Chashma	649.00	638.15	643.30	645.80	646.20	0.278	0.147	0.160	57.55 %
Mangla	1242.00	1050.00	1214.35	1231.95	1188.40	7.356	6.569	3.639	49.46 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>12.593</b>	<b>7.755</b>	<b>57.37 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	20.3 °C	29.4 °C
Minimum	8.1 °C	7.3 °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**

<b>Sr. No.</b>	<b>City/Observatory</b>	<b>Rainfall (mm)</b>
<b>A.</b>	<b>Sindh</b>	
1.	Chorr	100
2.	Sakrand	24
3.	Badin	14
4.	Karachi	06

**Source: FFD, Lahore**