



**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**  
**SUNDAY, SEPTEMBER 20, 2020**

All main rivers (**Jhelum, Chenab, Ravi & Sutlej**) are discharging normal flows except for River Indus which is experiencing **Low Flood at Kotri Barrage**. Today's Combined Live Storage of the country's major reservoirs is **13.224 MAF (97.13%** of the total live storage capacity of **13.614 MAF**). The actual inflows/outflows of main rivers at important control structures alongwith water levels and storage position of major reservoirs (**Tarbela, Mangla & Chashma**) as of 0600 hours today have been indicated in **Annexure-I**.

2. **Tarbela Reservoir** continues to maintain its Maximum Conservation Level (MCL) of **1550.00 feet** since 28<sup>th</sup> August 2020 whereas **Mangla Reservoir** is at an elevation of **1238.05 feet (3.95 feet below its MCL of 1242.00 feet)**. **The dam operating authorities alongwith Mangla Dam FMC are taking utmost care and vigilance in reservoir's operation by strictly following SOPs and associated Dam Safety Guidelines.**

3. According to Flood Forecasting Division (FFD), Lahore, weak **Seasonal Low** lies over Northeastern Balochistan and adjoining areas. Mainly dry weather is expected over most parts of the country during the next 24 hours. No prominent rainfall event has been reported by FFD, Lahore, in the country during the past 24 hours.

4. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system 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. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

9. Chief Executive Officer, Pakistan Railways, Lahore.
10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. Project Director/Chief Engineer, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.

U.O. No.FC-I (31)/2020, dated 20-09-2020

## Discharges at Important River Sites September 20, 2020 at 0600 Hours

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Flood Classification*
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	83,000	56,000	650,000	Normal
▪ Kalabagh	950,000	122,000	115,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	128,000	122,000	650,000	Normal
▪ Taunsa <sup>^</sup>	1,000,000	119,000	98,000	650,000	Normal
▪ Guddu	1,200,000	115,000	84,000	700,000	Normal
▪ Sukkur <sup>^^</sup>	900,000	99,000	69,000	700,000	Normal
▪ Kotri	875,000	301,000	284,000	650,000	Low Flood (S)
<b>River Kabul</b>					
▪ Warsak	540,000		11,000		Normal
▪ Nowshera			13,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			6,000		Normal
▪ Munda Head Works <sup>^^^</sup>	150,000		4,000		Normal
▪ Charsadda Road Bridge			4,000		Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	21,000	57,000	225,000	Normal
▪ Rasul	850,000	54,000	34,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	36,000	7,000	400,000	Normal
▪ Khanki	1,100,000	10,000	2,000	400,000	Normal
▪ Qadirabad	900,000	21,000	NIL	400,000	Normal
▪ Trimmu	645,000	43,000	28,000	450,000	Normal
▪ Panjnad	700,000	38,000	22,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		3,000	150,000	Normal
▪ Shahdara	250,000		18,000	135,000	Normal
▪ Balloki	225,000	41,000	8,000	135,000	Normal
▪ Sidhnaï	150,000	23,000	5,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	16,000	2,000	175,000	Normal
▪ Islam	300,000	1,000	NIL	175,000	Normal

**Live Storage (MAF) <sup>+</sup>**

Reservoir Elevation ( in Feet Above Mean Sea Level )		2020	2019	2018	Maximum	Today	Last Year
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1550.00	1541.44	1524.85	5.980	5.980
	Minimum Operating Level:	1392.00					
<b>Chashma:</b>	Maximum Conservation Level:	649.00	647.40	646.40	644.30	0.278	0.166
	Minimum Operating Level:	637.00					
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1238.05	1218.80	1174.15	<u>7.356</u>	<u>7.042</u>
	Minimum Operating Level:	1050.00					<u>5.597</u>
<b>Total Live Storage</b>					<b>13.614</b>	<b>13.224</b>	<b>11.323</b>

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	27.0 °C	28.1 °C
<b>Minimum</b>	7.4 °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)

\*\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition &amp; NR stands for "Not Received"

+ Based on IRSA's Daily Hydrological Data

^^ PID, Sindh vide letter No. DR/4-17/2015/839 dated 22-04-2015 informed that design discharge capacity of Sukkur Barrage has decreased from 1,500,000 cusecs to 900,000 cusecs due to closing of its ten (10) gates as a result of model study carried out in Poona during 1941-42 to control silting problem in right bank canals.

^ As per PID, Punjab's letter No. IWT&amp;R/14/1108/04/97 dated 17-09-2014

^^^ As per PID, KP's letter No. 1271GSG-II/ dated 11-06-2018