



**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

6-Attaturk Avenue, G-5/1, Islamabad
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DAILY FLOOD SITUATION REPORT
WEDNESDAY SEPTEMBER 11, 2019

Rivers & Reservoirs Situation:

All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing normal. **Annexure-I** shows actual river flows at important sites, reservoir elevations and their live storage as of today. Tarbela Dam continues to maintain its Maximum Conservation Level of **1550.00 feet** since **20th August 2019**. Mangla Dam has still a space of **19.20 feet** available with present elevation of **1222.80 feet**. Today's Combined Live Storage Capacity of Tarbela, Chashma & Mangla reservoirs is **12.183 MAF**, which is **89.04%** of the Maximum Combined Live Storage Capacity of **13.683 MAF**.

Weather & Rainfall Forecast for next 24 & 48 hours:

According to Flood Forecasting Division (FFD), Lahore, Trough of Westerly Wave continues to prevail over Northern parts of Afghanistan whereas Seasonal Low lies over Balochistan. Mainly dry weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/ rain may occur over upper catchments of all major rivers including upper parts of Khyber Pakhtunkhwa, Northern & Northeastern Punjab during the next 48 hours.

PMD is monitoring the prevailing weather system on Round-the-Clock basis and accordingly keeping all concerned informed through FFD, Lahore.


(Alamgir Khan)
Member (Technical)

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Reforms, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
6. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
7. Director General, Military Operations (MO-4), General Headquarters Rawalpindi.
8. Chief Executive Officer, Pakistan Railways, Lahore.
9. Member (Infrastructure), Planning Commission, Islamabad.
10. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chairman, National Highway Authority, Islamabad.
13. Chairman, Indus River System Authority, Islamabad
14. Member (Water), WAPDA, WAPDA House, Lahore.

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Distribution:

15. Director General, Pakistan Meteorological Department, Islamabad.
16. Chief Secretary, Government of the Punjab, Lahore.
17. Chief Secretary, Government of Sindh, Karachi.
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19. Chief Secretary, Government of Balochistan, Quetta.
20. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
21. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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25. Secretary, Irrigation Department, Government of Balochistan, Quetta.
26. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
27. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
28. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
29. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
30. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
31. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
32. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
33. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
34. Deputy Commissioner, Muzaffarabad, Govt. of AJ&K, Muzaffarabad.
35. Principal Information Officer, Press Information Department, Islamabad.
36. Director (News), Associated Press of Pakistan, Islamabad.
37. Director (News), Pakistan Television , Islamabad.
38. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
39. Director, Irrigation & Hydel Power Merged Area Secretariat, Peshawar.

U.O. No. FC-I (31)/2019, dated 11-09-2019

Discharges at Important River Sites September 11, 2019 at 0600 Hours

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	117,000	123,000	650,000	Normal
▪ Kalabagh	950,000	152,000	144,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	168,000	155,000	650,000	Normal
▪ Taunsa ^	1,000,000	177,000	156,000	650,000	Normal
▪ Guddu	1,200,000	156,000	125,000	700,000	Normal
▪ Sukkur ^^	900,000	120,000	63,000	700,000	Normal
▪ Kotri	875,000	75,000	44,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		16,000	200,000	Normal
▪ Nowshera			19,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			4,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			1,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	15,000	10,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	51,000	17,000	400,000	Normal
▪ Khanki	1,100,000	23,000	15,000	400,000	Normal
▪ Qadirabad	900,000	14,000	NIL	400,000	Normal
▪ Trimmu	645,000	18,000	4,000	450,000	Normal
▪ Panjnad	700,000	34,000	18,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		19,000	135,000	Normal
▪ Balloki	225,000	36,000	4,000	135,000	Normal
▪ Sidhnai	150,000	20,000	5,000	90,000	Normal
River Sutlej					
▪ Ganda Singh Wala			2,324		Normal
▪ Suleimanki	325,000	35,000	25,000	175,000	Normal
▪ Islam	300,000	15,000	13,000	175,000	Normal

Live Storage (MAF) +

Reservoir Elevation (in Feet Above Mean Sea Level)		2019	2018	2017	Maximum	Today	Last Year	
Tarbela:	Maximum Conservation Level:	1550.00	1550.00	1545.26	1532.40	6.049	6.049	5.776
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	648.40	640.30	646.60	0.278	0.247	0.029
	Minimum Operating Level:	638.15						
Mangla:	Maximum Conservation Level:	1242.00	1222.80	1178.10	1225.20	7.356	5.887	3.076
	Minimum Operating Level:	1050.00						
Total live Storage					13.683	12.183	8.881	

Skardu Temperature	Today 2019 (°C)	Last year 2018 (°C)
Maximum	30.0	24.6
Minimum	14.4	12.4
Skardu Daily Temperature (Last Week)		
Date	Maximum Temp. (°C)	Minimum Temp. (°C)
07 /09/2019	31.6	21.0
08 /09/2019	29.5	18.0
09/09/2019	29.7	12.0
10/09/2019	30.6	15.6

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 & NR stands for "Not Received"

+ Based on IRSA's Daily Hydrological Data+9-*/-+/-

^^ 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&R/14/1108/04/97 dated 17-09-2014

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