



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

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**DAILY FLOOD SITUATION REPORT
THURSDAY SEPTEMBER 12, 2019**

Rivers & Reservoirs Situation:

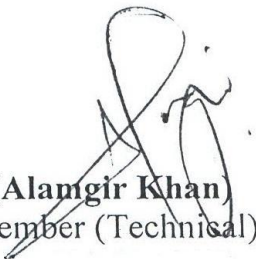
All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing normal. The actual river flows at important sites, reservoir elevations and their live storage as of today may be seen at **Annexure-I**. Tarbela Reservoir is at elevation of **1549.24 feet**, whereas Mangla Dam is at elevation of **1222.65 feet**. Today's Combined Live Storage of Tarbela, Chashma and Mangla reservoirs is **12.084 MAF (88.31 % of the existing Combined Live Storage Capacity of 13.683 MAF)**.

Weather & Rainfall Forecast for next 24 hours:

Yesterday's Trough of Westerly Wave over Northern parts of Afghanistan today lies over Northeastern Afghanistan. Seasonal Low lies over Northeastern Balochistan.

As predicted by the Flood Forecasting Division (FFD), Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/ rain may occur over Rawalpindi & Gujranwala Divisions of Punjab Province, Malakand & Hazara Divisions of Khyber Pakhtunkhwa including upper catchment of river Indus during the same period.

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.
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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 12-09-2019

**Discharges at Important River Sites
September 12, 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	129,000	155,000	650,000	Normal
▪ Kalabagh	950,000	153,000	145,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	171,000	155,000	650,000	Normal
▪ Taunsa [^]	1,000,000	173,000	145,000	650,000	Normal
▪ Guddu	1,200,000	160,000	125,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	114,000	57,000	700,000	Normal
▪ Kotri	875,000	69,000	34,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		16,000	200,000	Normal
▪ Nowshera			17,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			5,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		5,000	150,000	Normal
▪ Charsadda Road Bridge			1,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	17,000	31,000	225,000	Normal
▪ Rasul	850,000	15,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	53,000	19,000	400,000	Normal
▪ Khanki	1,100,000	21,000	13,000	400,000	Normal
▪ Qadirabad	900,000	14,000	NIL	400,000	Normal
▪ Trimmu	645,000	16,000	3,000	450,000	Normal
▪ Panjnad	700,000	29,000	13,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		9,000	150,000	Normal
▪ Shahdara	250,000		22,000	135,000	Normal
▪ Balloki	225,000	34,000	1,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	90,000	Normal
River Sutlej					
▪ Ganda Singh Wala			1,704		Normal
▪ Suleimanki	325,000	36,000	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	1549.24	1543.00	1531.10	6.049	6.006
	Minimum Operating Level:	1392.00					
Chashma:	Maximum Conservation Level:	649.00	647.40	641.80	646.60	0.278	0.202
	Minimum Operating Level:	638.15					
Mangla:	Maximum Conservation Level:	1242.00	1222.65	1178.20	1224.60	7.356	5.876
	Minimum Operating Level:	1050.00					3.081
Total live Storage					13.683	12.084	8.782

Skardu Temperature	Today 2019 (°C)	Last year 2018 (°C)
Maximum	31.2	27.6
Minimum	15.0	11.0
Skardu Daily Temperature (Last Week)		
Date	Maximum Temp. (°C)	Minimum Temp. (°C)
08 /09/2019	29.5	18.0
09 /09/2019	29.7	12.0
10/09/2019	30.6	15.6
11/09/2019	30.0	14.4

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.