



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
THURSDAY, SEPTEMBER 10, 2020


All main rivers (**Jhelum, Chenab, Ravi and Sutlej**) are discharging normal flows except for River Indus which is flowing in **High Flood** at **Guddu (541,000 cusecs)**, **Medium Flood** at **Sukkur (447,000 cusecs)** and **Low Flood** at **Kotri (207,000 cusecs)**. It is in **Normal** flow condition at rest of the control structures (**Tarbela, Kalabagh, Chashma & Taunsa**). Discharges (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 at **Annexure-I**.

2. **Tarbela and Mangla Reservoirs** have been maintaining their Maximum Conservation Levels (MCLs) of **1550.00 feet** and **1242.00 feet** since 28th August 2020 and 1st September 2020 respectively. **The dam operating authorities alongwith Mangla Dam FMC are exercising utmost care and vigilance in reservoir's operation by strictly following SOPs and associated Dam Safety Guidelines.**

3. Trough of shallow **Westerly Wave** earlier reported over Northern parts of Afghanistan today lies over Northern parts of Pakistan with weak **Seasonal Low** lies over Northeastern Balochistan bringing in weak moist currents from Arabian Sea into the upper parts of Pakistan upto 3000 feet.

4. According to 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 Punjab (**Rawalpindi Division**), Khyber Pakhtunkhwa (**Peshawar, Kohat & Bannu Divisions**) including upper catchments of Rivers Indus, Jhelum & Chenab during the same period. As per the quantitative forecast of FFD, Lahore, for the ensuing 24 hours, River Indus at Guddu is likely to maintain **High Flood Level (Range: 530,000 cusecs to 565,000 cusecs)**, **Medium to High Flood** at Sukkur (**Range: 490,000 cusecs to 520,000 cusecs**) & **Low Flood** at Kotri (**Range: 215,000 cusecs to 230,000 cusecs**). No prominent rainfall event has been reported by FFD, Lahore, during the past 24 hours except for Bhoun=13 mm, Kohat=10 mm & Peshawar =05 mm.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis and keeping all concerned fully abreast of the situation through its specialized unit (Flood Forecasting Division, 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 10-09-2020

**Discharges at Important River Sites
September 10, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Flood Classification*
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	127,000	110,000	650,000	Normal
▪ Kalabagh	950,000	188,000	183,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	162,000	149,000	650,000	Normal
▪ Taunsa [^]	1,000,000	195,000	185,000	650,000	Normal
▪ Guddu	1,200,000	570,000	541,000	700,000	High Flood (S)
▪ Sukkur ^{^^}	900,000	489,000	447,000	700,000	Medium Flood(R)
▪ Kotri	875,000	213,000	207,000	650,000	Low Flood (R)
River Kabul					
▪ Warsak	540,000		16,000		Normal
▪ Nowshera			32,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			8,000		Normal
▪ Munda Head Works ^{^^^}	150,000		10,000		Normal
▪ Charsadda Road Bridge			9,000		Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	37,000	38,000	225,000	Normal
▪ Rasul	850,000	31,000	30,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	49,000	22,000	400,000	Normal
▪ Khanki	1,100,000	25,000	17,000	400,000	Normal
▪ Qadirabad	900,000	19,000	NIL	400,000	Normal
▪ Trimmu	645,000	106,000	93,000	450,000	Normal
▪ Panjnad	700,000	103,000	89,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		18,000	135,000	Normal
▪ Balloki	225,000	35,000	5,000	135,000	Normal
▪ Sidhnai	150,000	23,000	7,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	19,000	6,000	175,000	Normal
▪ Islam	300,000	8,000	7,000	175,000	Normal

Live Storage (MAF) ⁺

Reservoir Elevation (in Feet Above Mean Sea Level)	2020	2019	2018	Maximum	Today	Last Year
Tarbela: Maximum Conservation Level:	1550.00	1550.00	1546.94	5.980	5.980	6.049
Minimum Operating Level:	1392.00					
Chashma: Maximum Conservation Level:	649.00	647.50	648.80	0.278	0.207	0.268
Minimum Operating Level:	637.00					
Mangla: Maximum Conservation Level:	1242.00	1242.00	1222.65	7.356	7.356	5.876
Minimum Operating Level:	1050.00					
Total Live Storage				13.614	13.543	12.193

Skardu Temperature	Today 2020	Last year 2019
Maximum	24.4 °C	30.6 °C
Minimum	15.6 °C	15.6 °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 & 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&R/14/1108/04/97 dated 17-09-2014

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