



**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
MONDAY, SEPTEMBER 07, 2020**


River Indus at present is experiencing **Medium Flood** at "Taunsa-Guddu" & "Guddu-Sukkur" Reaches and **Low Flood** at **Chashma** (upstream Taunsa). Also, River Jhelum is flowing in **Low Flood** at **Mangla**. Rest of the main rivers (**Chenab, Ravi and Sutlej including River Indus at Tarbela, Kalabagh & Kotri**) are discharging normal flows. 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** continue to maintain their Maximum Conservation Levels (MCLs) of **1550.00 feet** and **1242.00 feet** 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. Yesterday's trough of shallow **Westerly Wave** today lies over Kashmir & adjoining areas. Weak **Seasonal Low** persists over Northeast Balochistan with weak **moist currents** from Arabian Sea are penetrating over D.G. Khan Division (Punjab) and adjoining Northeastern Balochistan upto 4000 feet.

4. Mainly dry weather has been predicted by FFD, Lahore, over most parts of the country during the next 24 hours. However, isolated thunderstorm/rain is expected over Punjab (**Rawalpindi, Multan & D.G. Khan Divisions**), Khyber Pakhtunkhwa (**Malakand & Hazara Divisions**) including upper catchments of all the major rivers during the same period. Some prominent rainfall events reported by FFD, Lahore, during the past 24 hours may be seen at **Annexure-II**.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather conditions on Round-the-Clock basis and keeping all concerned fully abreast of the situation through its main flood forecasting centre (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 07-09-2020

**Discharges at Important River Sites
September 07, 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	180,000	156,000	650,000	Normal
▪ Kalabagh	950,000	230,000	227,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	267,000	261,000	650,000	Low Flood (F)
▪ Taunsa [^]	1,000,000	456,000	456,000	650,000	Medium Flood (F)
▪ Guddu	1,200,000	501,000	477,000	700,000	Medium Flood (R)
▪ Sukkur ^{^^}	900,000	420,000	387,000	700,000	Medium Flood (R)
▪ Kotri	875,000	189,000	186,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		19,000	200,000	Normal
▪ Nowshera			49,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			13,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		14,000	150,000	Normal
▪ Charsadda Road Bridge			15,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	75,000	76,000	225,000	Low Flood (R)
▪ Rasul	850,000	50,000	49,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	58,000	46,000	400,000	Normal
▪ Khanki	1,100,000	47,000	41,000	400,000	Normal
▪ Qadirabad	900,000	48,000	24,000	400,000	Normal
▪ Trimmu	645,000	118,000	112,000	450,000	Normal
▪ Panjnad	700,000	114,000	100,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		6,000	150,000	Normal
▪ Shahdara	250,000		12,000	135,000	Normal
▪ Balloki	225,000	42,000	16,000	135,000	Normal
▪ Sidhnaï	150,000	21,000	8,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	19,000	7,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	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	1550.00	5.980	5.980	6.049
Minimum Operating Level:	1392.00					
Chashma: Maximum Conservation Level:	649.00	641.50	648.60	0.278	0.049	0.258
Minimum Operating Level:	637.00					
Mangla: Maximum Conservation Level:	1242.00	1242.00	1222.10	7.356	7.356	5.835
Minimum Operating Level:	1050.00					
Total Live Storage				13.614	13.385	12.142

Skardu Temperature	Today 2020	Last year 2019
Maximum	25.2 °C	31.6 °C
Minimum	13.4 °C	21.0 °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 & 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

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	PUNJAB	
1.	Lahore	42
2.	Mangla & Ghariala	32 each
3.	Tandali	30
4.	Jhelum	18
5.	Murree	13
6.	Gujranwala	11
7.	Sialkot	08
8.	Narowal	07
B.	KHYBER PAKHTUNKHWA	
1.	Malam Jabba	31
2.	Kakul	19
3.	Lower Dir	12
C.	AZAD JAMMU & KASHMIR	
1.	Palandri	119
2.	Haraman	56
3.	Kotli	42
4.	Hajira	34
5.	Bandi Abbaspur	30
6.	Muzaffarabad	(Airport=29 & City=20)
7.	Chattar Kallas	20
8.	Nauseri	16
9.	Chakothei	14
10.	Domel	13
11.	Garhi Dupatta	07
12.	Rawalakot	06

Source: FFD, Lahore (Phone No.042-99200139)