



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
SATURDAY, SEPTEMBER 05, 2020

Presently, River Indus is experiencing **Medium Flood** in "Kalabagh-Chashma", "Chashma-Taunsa" & "Taunsa-Guddu" Reaches and in **Low Flood** at Sukkur. Rest of the main rivers (Chenab, Jhelum, Ravi and Sutlej including River Indus at Tarbela & Kotri) are discharging normal flows. **Annexure-I** depicts rivers inflows and outflows at important control points including reservoirs levels and storage positions as of 0600 hours today.

2. **Tarbela and Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550.00 feet** and **1242.00 feet**. **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. **Westerly Wave Trough** earlier over Kashmir & adjoining areas has moved away Eastwards, whereas Weak **Seasonal Low** lies over Northeastern Balochistan. Weak **moist currents** from Arabian Sea & Bay of Bengal are penetrating into the upper parts of Pakistan upto 2000 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 may occur over Punjab (**Rawalpindi, Gujranwala, Lahore & Bahawalpur Divisions**), Khyber Pakhtunkhwa (**Malakand, Hazara, Peshawar, Kohat & Bannu Divisions**) including upper catchments of all the major rivers during the same period. Last 24 hours prominent rainfall events as reported by FFD, Lahore, may be seen at **Annexure-II**.

5. According to FFD, Lahore, **River Indus** at **Guddu** is likely to attain **High Flood Level** during **08th to 09th September 2020** and at **Sukkur** during **09th to 10th September 2020**. Under this scenario Low-lying/Kacha areas of Sindh are likely to be **inundated**. **All concerned authorities (PDMA Sindh, DDMA, Provincial Irrigation Department, Government of Sindh including Districts Administration) are advised to remain Fully Alert and take all necessary precautionary measures, so as to save the communities of low lying areas, public & private property, irrigation, drainage & flood protection infrastructure etc in case of any inundation.**

6. Round-the- Clock monitoring of prevailing weather conditions is being carried out by the Pakistan Meteorological Department (PMD) 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 05-09-2020

**Discharges at Important River Sites
September 05, 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	203,000	236,000	650,000	Normal
▪ Kalabagh	950,000	395,000	394,000	650,000	Medium Flood (F)
▪ Chashma Reservoir	1,000,000	468,000	465,000	650,000	Medium Flood (R)
▪ Taunsa ^	1,000,000	446,000	446,000	650,000	Medium Flood (R)
▪ Guddu	1,200,000	458,000	451,000	700,000	Medium Flood (R)
▪ Sukkur ^^	900,000	360,000	339,000	700,000	Low Flood(R)
▪ Kotri	875,000	177,000	176,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		25,000	200,000	Normal
▪ Nowshera			71,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			20,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		30,000	150,000	Normal
▪ Charsadda Road Bridge			26,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	50,000	57,000	225,000	Normal
▪ Rasul	850,000	64,000	64,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	58,000	46,000	400,000	Normal
▪ Khanki	1,100,000	60,000	54,000	400,000	Normal
▪ Qadirabad	900,000	52,000	30,000	400,000	Normal
▪ Trimmu	645,000	111,000	105,000	450,000	Normal
▪ Panjnad	700,000	147,000	134,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		7,000	150,000	Normal
▪ Shahdara	250,000		14,000	135,000	Normal
▪ Balloki	225,000	43,000	20,000	135,000	Normal
▪ Sidhnai	150,000	22,000	14,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	18,000	10,000	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	1550.00	5.980	5.980
	Minimum Operating Level:	1392.00					6.049
Chashma:	Maximum Conservation Level:	649.00	640.00	649.00	646.30	0.278	0.278
	Minimum Operating Level:	637.00					
Mangla:	Maximum Conservation Level:	1242.00	1242.00	1221.50	1177.60	<u>7.356</u>	<u>7.356</u>
	Minimum Operating Level:	1050.00					<u>5.791</u>
Total Live Storage					13.614	13.360	12.118

Skardu Temperature	Today 2020	Last year 2019
Maximum	23.6 °C	32.9 °C
Minimum	13.4 °C	13.4 °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.	ISLAMABAD	
1.	Islamabad	{Chaklala (Airbase)=33, New Airport=31, Shamsabad=30}
B.	PUNJAB	
1.	Lahore	{Iqbal Town=62, Mughal Pura=59, Airport=58, Taj Pura=47, Jail Road=43, Misri Shah=42, Shahi Qilla=36, Township=34, Punjab University=33, Upper Mall=32, Samanabad=29, Johar Town=23, Shahdara, Gulshan-e- Ravi & Lukshmi=21 (each) & Gulberg=12}
2.	Mangla	50
3.	Kasur	40
4.	Rohtas	38
5.	Chakwal	33
6.	Narowal	16
7.	Kallar	15
8.	Murree	11
9.	Gujranwala	10
C.	SINDH	
1.	Mirpur Khas	90
2.	Tando Jam	18
3.	Sakrand	17
4.	Hyderabad	12

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