



**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
FRIDAY, SEPTEMBER 04, 2020**

River Indus at present is experiencing **Medium Flood** in "**Kalabagh-Chashma Reach**" and at **Guddu** (upstream Sukkur) whereas it is in **Low Flood** at **Taunsa & Sukkur**. Also, Rivers Kabul and Swat are in **Low Flood** at Nowshera and Munda Headworks respectively. 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. Yesterday's **Westerly Wave Trough** continues to persists over Kashmir & adjoining areas and is likely to move away Eastwards during the next 24 hours. **Seasonal Low** lies over Northeastern Balochistan and bringing in moderate **moist currents** from Arabian Sea & Bay of Bengal into upper parts of Pakistan upto 5000 feet.

4. For the ensuing 24 hours, FFD, Lahore, has predicted scattered wind-thunderstorm/rain with one or two **Heavy Falls** over **Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Bahawalpur Divisions** (Punjab) including upper catchments of all the major rivers, besides, isolated wind-thunderstorm/rain over **Peshawar, Kohat & DI Khan Divisions** (Khyber Pakhtunkhwa). FFD, Lahore, has predicted decrease in rainfall activity during the ensuing 48 hours. During the past 24 hours, Lahore City has experienced widespread rains, besides Islamabad, Kasur, Bahawalnagar and Palandri (**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**.

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 04-09-2020

**Discharges at Important River Sites
September 04, 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	240,000	156,000	650,000	Normal
▪ Kalabagh	950,000	429,000	427,000	650,000	Medium Flood (F)
▪ Chashma Reservoir	1,000,000	430,000	407,000	650,000	Medium Flood (F)
▪ Taunsa [^]	1,000,000	365,000	365,000	650,000	Low Flood (R)
▪ Guddu ^{^^}	1,200,000	400,000	394,000	700,000	Medium Flood (R)
▪ Sukkur ^{^^^}	900,000	307,000	291,000	700,000	Low Flood(R)
▪ Kotri	875,000	176,000	176,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		25,000	200,000	Normal
▪ Nowshera			93,000	200,000	Low Flood (F)
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			27,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		43,000	150,000	Low Flood (F)
▪ Charsadda Road Bridge			37,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	60,000	63,000	225,000	Normal
▪ Rasul	850,000	53,000	53,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	72,000	59,000	400,000	Normal
▪ Khanki	1,100,000	60,000	54,000	400,000	Normal
▪ Qadirabad	900,000	57,000	35,000	400,000	Normal
▪ Trimmu	645,000	153,000	146,000	450,000	Normal
▪ Panjnad	700,000	144,000	130,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		8,000	150,000	Normal
▪ Shahdara	250,000		14,000	135,000	Normal
▪ Balloki	225,000	40,000	15,000	135,000	Normal
▪ Sidhnai	150,000	26,000	21,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	17,000	9,000	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	6.049
	Minimum Operating Level:	1392.00					
Chashma:	Maximum Conservation Level:	649.00	640.00	649.00	646.50	0.278	0.278
	Minimum Operating Level:	637.00					
Mangla:	Maximum Conservation Level:	1242.00	1242.00	1221.25	1177.40	<u>7.356</u>	<u>5.773</u>
	Minimum Operating Level:	1050.00					
Total Live Storage					13.614	13.360	12.100

Skardu Temperature	Today 2020	Last year 2019
Maximum	29.2 °C	30.9 °C
Minimum	17.3 °C	15.0 °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. ISLAMABAD		
1.	Islamabad	(New Airport=115, Shamsabad=32, Chaklala (Airbase)=31, Zeropoint=25, Golra=23, Bokra=22, Saidpur=19)
B. PUNJAB		
1.	Lahore	(Shahi Qilla=135, Shahdara=132, Lukshmi=131, Gulberg=100, Johar Town=95, Taj Pura=89, Airport=86, Punjab University=82, Gulshan e Ravi=81, Samanabad=80, Misri Shah=78, Township & Upper Mall=75 each, Jail Road=60 and Iqbal Town & Mughal Pura=50 each)
2.	Kasur	95
3.	Bahawalnagar & Bhoun	78 each
4.	Chakwal	46
5.	Kallar	41
6.	Sargodha	33
7.	Hafizabad	29
8.	Joharabad	26
9.	Attock	20
10.	Sahiwal	16
11.	Murree	14
12.	Phulra & Mangla	13 each
C. KHYBER PAKHTUNKHWA		
1.	Malam Jabba	42
2.	Besham	31
3.	Daggar	24
4.	Kakul	19
5.	Kamra	15
6.	Parachinar	14
7.	Pattan & Balakot	13 each
8.	Buner	10
D. AJ&K		
1.	Palandri	69
2.	Hajira & Chakothi	30 each
3.	Bandi Abbaspur	22
4.	Haraman	20
5.	Garhi Dopatta	12
6.	Muzaffarabad, Domel & Chattar Kallas	11 each
7.	Rawalakot	10

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