



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

6-Attaturk Avenue, G-5/1, Islamabad  
Fax No. 051-9244621 & www.ffc.gov.pk

**DAILY WEATHER & FLOOD SITUATION REPORT**  
**THURSDAY, SEPTEMBER 03, 2020**

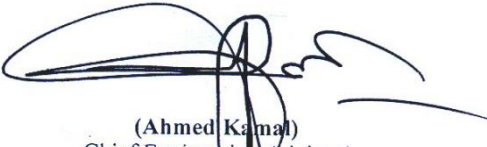
River Indus, except for its last control structure (Kotri Barrage) is flowing in **Low to Medium Flood** categories at all control structures i.e. (**Tarbela - Low Flood, Kalabagh & Chashma - Medium Flood, Taunsa, Guddu & Sukkur - Low Flood**), besides River Kabul in **Medium Flood** (at Nowshera) and River Swat in **Low Flood** in "**Chakdara-Munda Headworks Reach**". Rest of the main rivers (**Chenab, Jhelum, Ravi & Sutlej**) are discharging normal flows. Rivers inflows and outflows at important control points including reservoirs levels and storage positions as of 0600 hours today may be seen at **Annexure-I**.

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 **Monsoon Low** over Bahawalpur Division (Punjab) has become insignificant. **Westerly Wave Trough** continues to prevail over Kashmir & adjoining areas whereas **Seasonal Low** lies over Northeastern Balochistan. Moderate **moist currents** from Arabian Sea & Bay of Bengal are penetrating 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 Punjab (**Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Bahawalpur Divisions**) including upper catchments of all the major rivers, besides, isolated wind-thunderstorm/rain over Khyber Pakhtunkhwa (**Peshawar, Kohat & D.I. Khan Divisions**). Rainfall activity is likely to decrease significantly from **5<sup>th</sup> September, 2020**. However, **Low to Medium Flood** wave will continue in the **River Indus** during the week. Some prominent rainfall events reported by FFD, Lahore, during the past 24 hours may be seen at **Annexure-II**.

5. 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 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 03-09-2020

**Discharges at Important River Sites  
September 03, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Flood Classification*
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	241,000	253,000	650,000	Low Flood (F)
▪ Kalabagh	950,000	456,000	453,000	650,000	Medium Flood (R)
▪ Chashma Reservoir	1,000,000	435,000	433,000	650,000	Medium Flood (R)
▪ Taunsa ^	1,000,000	342,000	342,000	650,000	Low Flood (F)
▪ Guddu	1,200,000	346,000	339,000	700,000	Low Flood (R)
▪ Sukkur ^^	900,000	285,000	273,000	700,000	Low Flood(R)
▪ Kotri	875,000	169,000	168,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		30,000	200,000	Normal
▪ Nowshera			119,000	200,000	Medium Flood (R)
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			33,000	150,000	Low Flood (F)
▪ Munda Head Works ^^^	150,000		46,000	150,000	Low Flood (F)
▪ Charsadda Road Bridge			36,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	70,000	72,000	225,000	Normal
▪ Rasul	850,000	68,000	68,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	72,000	59,000	400,000	Normal
▪ Khanki	1,100,000	57,000	52,000	400,000	Normal
▪ Qadirabad	900,000	60,000	38,000	400,000	Normal
▪ Trimmu	645,000	152,000	144,000	450,000	Normal
▪ Panjnad	700,000	116,000	103,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		11,000	150,000	Normal
▪ Shahdara	250,000		15,000	135,000	Normal
▪ Balloki	225,000	40,000	15,000	135,000	Normal
▪ Sidhnai	150,000	30,000	25,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	18,000	5,000	175,000	Normal
▪ Islam	300,000	6,000	4,000	175,000	Normal

Live Storage (MAF) <sup>+</sup>

Reservoir Elevation ( in Feet Above Mean Sea Level )		2020	2019	2018	Maximum	Today	Last Year
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1550.00	1550.00	1550.00	5.980	5.980
	Minimum Operating Level:	1392.00					6.049
<b>Chashma:</b>	Maximum Conservation Level:	649.00	639.00	649.00	646.60	0.278	0.278
	Minimum Operating Level:	637.00					
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1242.00	1221.00	1177.25	<u>7.356</u>	<u>7.356</u>
	Minimum Operating Level:	1050.00					<u>5.754</u>
<b>Total Live Storage</b>					<b>13.614</b>	<b>13.346</b>	<b>12.081</b>

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	25.2 °C	26.2 °C
<b>Minimum</b>	14.2 °C	11.3 °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 &amp; 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&amp;R/14/1108/04/97 dated 17-09-2014

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

**Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Adviser/  
Chairman, Federal Flood Commission  
DAILY WEATHER AND FLOOD SITUATION REPORT**

**THURSDAY, SEPTEMBER 03, 2020**

**Significant Rainfall Events during the Past 24 Hours**

<b>Sr. No.</b>	<b>City/Observatory</b>	<b>Rainfall (mm)</b>
<b>A</b>	<b>PUNJAB</b>	
1.	Jhang	32
2.	Shorkot	22
3.	Joharabad	15
4.	Hafizabad	12
5.	Kamra	11
6.	Toba Tek Singh	10
<b>B.</b>	<b>KHYBER PAKHTUNKHWA</b>	
1.	Kalam	39
2.	Malam Jabba & Daggar	26 each
3.	Pattan	21
4.	Besham & Saidu Sharif	19 each
5.	Chitral	16
6.	Risalpur	15
7.	Buner	12

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