



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**  
**WEDNESDAY, SEPTEMBER 09, 2020**


River Indus is experiencing **High Flood** at **Guddu (541,000 cusecs)**, **Medium Flood** at **Sukkur (419,000 cusecs)** and **Low Flood** at **Taunsa (253,000 cusecs)**. It is in **Normal** flow condition at rest of the control structures (**Tarbela, Kalabagh, Chashma and Kotri**). All other main rivers (**Jhelum, Chenab, Ravi and Sutlej**) are flowing Normal. 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 28<sup>th</sup> August, 2020 and 1<sup>st</sup> 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. As per Flood Forecasting Division (FFD), Lahore, a fresh Trough of shallow **Westerly Wave** lies over Northern parts of Afghanistan whereas weak **Seasonal Low** persists over Northeastern Balochistan.

4. For the following 24 hours, mainly dry weather has been predicted by FFD, Lahore, over most parts of the country. However, isolated thunderstorm/rain may occur over Khyber Pakhtunkhwa (**Malakand & Hazara Divisions**) and **Kashmir** during the same period. As per the quantitative forecast of FFD, Lahore, River Indus at Guddu may continue to flow in **High Flood (Range: 550,000 cusecs to 580,000 cusecs)** and at Sukkur (**Range: 470,000 cusecs to 520,000 cusecs**). No prominent rainfall event has been recorded by FFD, Lahore, during the past 24 hours except for Noorpur Thal= 46 mm & Mirkhani=13 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 09-09-2020

**Discharges at Important River Sites  
September 09, 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	139,000	149,000	650,000	Normal
▪ Kalabagh	950,000	211,000	206,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	196,000	181,000	650,000	Normal
▪ Taunsa <sup>^</sup>	1,000,000	260,000	253,000	650,000	Low Flood(F)
▪ Guddu	1,200,000	571,000	541,000	700,000	High Flood(R)
▪ Sukkur <sup>^^</sup>	900,000	460,000	419,000	700,000	Med. Flood(R)
▪ Kotri	875,000	202,000	198,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		21,000	200,000	Normal
▪ Nowshera			36,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			8,000	150,000	Normal
▪ Munda Head Works <sup>^^^</sup>	150,000		13,000	150,000	Normal
▪ Charsadda Road Bridge			13,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	38,000	38,000	225,000	Normal
▪ Rasul	850,000	49,000	49,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	46,000	22,000	400,000	Normal
▪ Khanki	1,100,000	42,000	35,000	400,000	Normal
▪ Qadirabad	900,000	38,000	16,000	400,000	Normal
▪ Trimmu	645,000	114,000	106,000	450,000	Normal
▪ Panjnad	700,000	110,000	95,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		7,000	150,000	Normal
▪ Shahdara	250,000		13,000	135,000	Normal
▪ Balloki	225,000	36,000	8,000	135,000	Normal
▪ Sidhnai	150,000	24,000	8,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	21,000	8,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	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	1548.32	5.980	5.980	6.049
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	646.30	649.00	640.70	0.278	0.163	0.278
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1242.00	1222.50	1178.05	<u>7.356</u>	<u>7.356</u>	<u>5.865</u>
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>						<b>13.614</b>	<b>13.499</b>	<b>12.192</b>

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	<b>21.1 °C</b>	<b>29.7 °C</b>
<b>Minimum</b>	<b>18.9 °C</b>	<b>12.0 °C</b>

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