



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

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**DAILY FLOOD SITUATION REPORT**  
**SATURDAY AUGUST 24, 2019**

**Rivers & Reservoirs Situation:**

River Sutlej at Suleimanki and River Indus in "Guddu-Sukkur Reach" are flowing in Low Flood. Other main rivers (Jhelum, Chenab & Ravi) are flowing normal. River flows at important sites, reservoir elevations & live storage of three major reservoirs and today's temperature of Skardu may be seen at **Annexure-I**.

Tarbela Dam continues to maintain Maximum Conservation Level (MCL) of **1550.00 feet** since 20<sup>th</sup> August 2019 whereas Mangla Dam is at an elevation of **1216.80 feet (25.20 feet below its MCL of 1242.00 feet)**. Today's Combined Live Storage capacity of Tarbela, Chashma & Mangla reservoirs is **11.729 MAF (85.72% of 13.683 MAF)**. **The Dam Operating Authorities are exercising utmost care and vigilance in reservoir operation and strictly following SOPs & associated dam safety guidelines.**

**Weather & Rainfall Forecast:**

Yesterday's trough of Westerly Wave over Northwestern parts of Afghanistan today lies over Northeastern Afghanistan. Seasonal Low continues to prevail over Northern Balochistan with weak moist currents from Arabian Sea penetrating into upper parts of the country upto 3000 feet and are likely to be marked after 24 hours. A Monsoon Low has developed over Northwestern Bay of Bengal. It is likely to move in West-Northwestwards direction.

As predicted by FFD, Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/rain is expected over upper catchments of all major rivers including Punjab (Gujranwala, Lahore & D.G. Khan Divisions), Khyber Pakhtunkhwa (Malakand & Hazara Divisions) and Eastern Balochistan during the same period. No Significant rainfall event has been reported by FFD, Lahore, during the last 24 hours except for 23 mm in Chakwal and 17 mm in Bhoun.

PMD is monitoring the prevailing weather system especially in the perspective of Low Flood in Sutlej River at Suleimanki and keeping all concerned fully abreast of the situation on round-the-clock basis through FFD, Lahore.

  
(Alamgir Khan)  
Member (Technical)

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2. Minister for Planning, Development & Reforms, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad.
5. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
6. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
7. Director General, Military Operations (MO-4), General Headquarters Rawalpindi.
8. CC Engineers, HQ Engineers 31 Corps, Bahawalpur Cantonment.
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.

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23. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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30. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
31. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
32. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
33. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. Deputy Commissioner, Muzaffarabad, Govt. of AJ&K, Muzaffarabad.
36. Principal Information Officer, Press Information Department, Islamabad.
37. Director (News), Associated Press of Pakistan, Islamabad.
38. Director (News), Pakistan Television , Islamabad.
39. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
40. Director, Irrigation & Hydel Power Merged Area Secretariat, Peshawar.

**U.O. No. FC-I (31)/2019, dated 24-08-2019**

**Discharges at Important River Sites**  
August 24, 2019 at 0600 Hours

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	130,000	141,000	650,000	Normal
▪ Kalabagh	950,000	159,000	151,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	177,000	160,000	650,000	Normal
▪ Taunsa ^	1,000,000	170,000	157,000	650,000	Normal
▪ Guddu	1,200,000	274,000	241,000	700,000	Low Flood (F)
▪ Sukkur ^^	900,000	328,000	266,000	700,000	Low Flood (F)
▪ Kotri	875,000	187,000	149,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		19,000	200,000	Normal
▪ Nowshera			25,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			8,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			9,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	30,000	14,000	225,000	Normal
▪ Rasul	850,000	8,000	NIL	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	47,000	19,000	400,000	Normal
▪ Khanki	1,100,000	35,000	28,000	400,000	Normal
▪ Qadirabad	900,000	30,000	15,000	400,000	Normal
▪ Trimmu	645,000	74,000	61,000	450,000	Normal
▪ Panjnad	700,000	77,000	61,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		16,000	150,000	Normal
▪ Shahdara	250,000		22,000	135,000	Normal
▪ Balloki	225,000	31,000	13,000	135,000	Normal
▪ Sidhnai	150,000	30,000	15,000	90,000	Normal
<b>River Sutlej</b>					
▪ Ganda Singh Wala			55,900		Normal
▪ Suleimanki	325,000	66,000	66,000	175,000	Low Flood (R)
▪ Islam	300,000	12,000	12,000	175,000	Normal

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

Reservoir Elevation (in Feet Above Mean Sea Level)			2019	2018	2017	Maximum	Today	Last Year
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1550.00	1550.00	1543.62	6.049	6.049	6.047
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	647.90	646.00	645.30	0.278	0.223	0.153
	Minimum Operating Level:	638.15						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1216.80	1173.40	1233.30	7.356	5.457	2.836
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>						<b>13.683</b>	<b>11.729</b>	<b>9.036</b>

Skardu Temperature	Today 2019 (°C)	Last year 2018 (°C)
Maximum	28.7	33.8
Minimum	17.0	17.4
Skardu Daily Temperature (Last Week)		
Date	Maximum Temp. (°C)	Minimum Temp. (°C)
20/08/2019	23.0	11.0
21/08/2019	23.7	11.0
22/08/2019	28.2	15.0
23/08/2019	28.1	13.0

## 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+9-\*+/-

^ 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.