



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**  
**SUNDAY, SEPTEMBER 13, 2020**

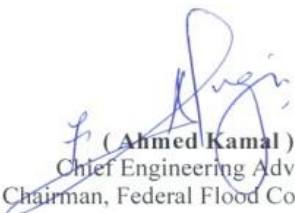
River Indus is flowing in **Medium Flood** at **Sukkur** and **Low Flood** at **Guddu & Kotri Barrages**. Other main rivers (**Jhelum, Chenab, Ravi and Sutlej**) are flowing normal. The actual discharges of main rivers at important control structures alongwith water levels and storage position of major reservoirs (**Tarbela, Mangla & Chashma**) as of 0600 hours today may be seen at **Annexure-I**.

2. By the grace of Almighty Allah, the major reservoirs (**Tarbela, Mangla & Chashma**) have achieved the maximum combined live storage capacity of **13.614 MAF**, which is a major breakthrough in water resources management of the country. It is because of coordinated efforts and better regulation of reservoirs by WAPDA and IRSA. **At the same time, dam operating authorities including FMC of Mangla, IRSA, PMD/FFD, Lahore are taking utmost care and exercising extra vigilance in reservoirs' operation and strictly following the SOPs and associated Dam Safety Guidelines.**

3. Yesterday's trough of shallow **Westerly Wave** over Kashmir and adjoining areas has moved away Eastwards whereas weak **Seasonal Low** continues to prevail over Northeast Balochistan bringing in weak moist currents from Arabian Sea into upper parts of the country upto 2000 feet.

4. According to FFD, Lahore, mainly dry weather is expected over most parts of the country during the next 24 hours. However, isolated thunderstorm/ rain may occur over the upper catchments of Rivers Indus & Jhelum, besides, Southern & Southeastern Sindh during the same period. No prominent rainfall event has been reported by FFD, Lahore, in the country during the past 24 hours except for Mithi = 49 mm and Larkana = 08 mm.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis and keeping all concerned fully informed 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.
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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 13-09-2020

**Discharges at Important River Sites  
September 13, 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	103,000	84,000	650,000	Normal
▪ Kalabagh	950,000	143,000	140,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	150,000	137,000	650,000	Normal
▪ Taunsa ^	1,000,000	143,000	131,000	650,000	Normal
▪ Guddu	1,200,000	293,000	261,000	700,000	Low Flood (F)
▪ Sukkur ^^	900,000	411,000	368,000	700,000	Medium Flood(F)
▪ Kotri	875,000	254,000	244,000	650,000	Low Flood (R)
<b>River Kabul</b>					
▪ Warsak	540,000		15,000		Normal
▪ Nowshera			21,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			7,000		Normal
▪ Munda Head Works ^^	150,000		8,000		Normal
▪ Charsadda Road Bridge			7,000		Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	29,000	29,000	225,000	Normal
▪ Rasul	850,000	32,000	15,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	44,000	12,000	400,000	Normal
▪ Khanki	1,100,000	13,000	6,000	400,000	Normal
▪ Qadirabad	900,000	31,000	9,000	400,000	Normal
▪ Trimmu	645,000	87,000	73,000	450,000	Normal
▪ Panjnad	700,000	97,000	82,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		18,000	135,000	Normal
▪ Balloki	225,000	39,000	9,000	135,000	Normal
▪ Sidhnai	150,000	20,000	4,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	16,000	2,000	175,000	Normal
▪ Islam	300,000	7,000	5,000	175,000	Normal

**Live Storage (MAF) +**

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	1548.44	1540.65	5.980	5.980	5.960
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	649.00	646.70	642.60	0.278	0.278	0.176
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1242.00	1222.40	1178.25	7.356	7.356	5.857
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>						<b>13.614</b>	<b>13.614</b>	<b>11.993</b>

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	<b>30.2 °C</b>	<b>31.0 °C</b>
<b>Minimum</b>	<b>9.4 °C</b>	<b>17.0 °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