



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, AUGUST 26, 2020

Except for River Indus at **Guddu** (flowing in **Low Flood** with rising trend), all other main rivers (Jhelum, Chenab, Ravi & Sutlej) are flowing "Normal". The present combined live storage of the country's major reservoirs is **13.186 MAF** (i.e. **96.85% of the total live storage of 13.614 MAF**) although healthy but warrants ultra vigilance for regulation of dams so as to minimize any high flood situation in the downstream areas. **Annexure-I** depicts the inflows/outflows of main rivers at important control structures and water levels & storage position of major reservoirs.

2. **Tarbela reservoir** presently is at **1548.00 feet (just 2.00 feet below its Maximum Conservation Level)**. Dam Management Authority is ensuring dam regulation as per prevailing SOPs and Dam Safety Guidelines.

3. **Mangla reservoir** is just 2.55 feet below its MCL of **1242.00 feet**. **Keeping in view the increased flows and latest forecast of FFD, Lahore, anticipating CATEGORY-I FLOOD flow in River Jhelum upstream Mangla during 26th - 28th August 2020, the role of Mangla Flood Mitigation Committee would be of paramount importance in managing both inflows & outflows without creating any flooding situation in downstream areas.**


4. Yesterday's **Well Marked Monsoon Low** over southern parts of Rajasthan (India) has merged into Seasonal Low whereas another **Monsoon Low** earlier over North Bay of Bengal has become **Well Marked Low** and today prevails over Northwest Bay of Bengal. Trough of **Westerly Wave** presently lies over Northern parts of Pakistan with weak **Seasonal Low** over Western Balochistan. Moderate **moist currents** from Arabian Sea are penetrating into upper parts of Pakistan upto 7000 feet.

5. Under the influence of prevailing weather conditions, widespread thunderstorm/rain with isolated **Heavy to Very Heavy Falls** are expected over **Rawalpindi, & Gujranwala Divisions** (Punjab), **Hazara, Peshawar, Kohat & Bannu Divisions** (Khyber Pakhtunkhwa) including upper catchments of rivers **Kabul, Jhelum, Chenab & Ravi** during the next 24 hours. FFD, Lahore, for the same period has predicted scattered thundershower/rain with **Moderate to Heavy Falls** over **D.G. Khan, Sargodha, Faisalabad & Lahore Divisions** (Punjab), **Malakand & D.I. Khan Divisions** (Khyber Pakhtunkhwa), upper Sindh & Eastern Balochistan, in addition to isolated thunderstorm/rain over **Bahawalpur Division** (Punjab), South & Southeastern Sindh including upper catchment of River Sutlej. Last 24 hours prominent rainfall events may be seen at **Annexure-II**.

Flood Forecast for next 36-48 Hours

6. As per FFD, Lahore, River Jhelum at Mangla (upstream) is likely to attain **Exceptionally High Flood Level (Range: 300,000 cusecs & above)** during the **next 24-36 hours**, while River Chenab at **Marala, Khanki & Qadirabad** may attain **High Flood level (in next 24-48 hours)**. Further, flows are also likely to increase upto **Medium Flood Level** in Nullahs of Rivers Chenab & Ravi and Hill Torrents of D. G. Khan Division (**in next 48 Hours**). Overall flows are likely to increase in all the Major Rivers except for River Sutlej during **26th to 28th August 2020**.

7. Prevailing weather system requires **EXTRA VIGILANCE** and **ACTIVE MONITORING** by Pakistan Meteorological Department (PMD) especially with regard to forecast of **Exceptionally High Flood at Mangla**. FFD, Lahore, is advised for Round-the-clock monitoring and to keep all the concerned fully informed of the developing situation.



(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 26-08-2020

**Discharges at Important River Sites
August 26, 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	180,000	150,000	650,000	Normal
▪ Kalabagh	950,000	171,000	164,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	196,000	189,000	650,000	Normal
▪ Taunsa ^	1,000,000	209,000	186,000	650,000	Normal
▪ Guddu	1,200,000	237,000	230,000	700,000	Low Flood (R)
▪ Sukkur ^^	900,000	182,000	174,000	700,000	Normal
▪ Kotri	875,000	38,000	37,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		26,000	200,000	Normal
▪ Nowshera			37,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			10,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			5,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	30,000	9,000	225,000	Normal
▪ Rasul	850,000	5,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	99,000	74,000	400,000	Normal
▪ Khanki	1,100,000	90,000	83,000	400,000	Normal
▪ Qadirabad	900,000	67,000	49,000	400,000	Normal
▪ Trimmu	645,000	65,000	51,000	450,000	Normal
▪ Panjnad	700,000	35,000	19,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		13,000	150,000	Normal
▪ Shahdara	250,000		21,000	135,000	Normal
▪ Balloki	225,000	40,000	9,000	135,000	Normal
▪ Sidhnai	150,000	32,000	17,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	18,000	4,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	175,000	Normal

Reservoir Elevation (in Feet Above Mean Sea Level)			2020	2019	2018	Maximum	Today	Last Year
Tarbela:	Maximum Conservation Level:	1550.00	1548.00	1550.00	1550.00	5.980	5.866	6.049
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	646.50	647.30	645.00	0.278	0.170	0.198
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1239.45	1217.80	1174.70	<u>7.356</u>	<u>7.150</u>	<u>5.527</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	13.186	11.774

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. Khyber Pakhtunkhwa		
1.	Malam Jabba	153
2.	Balakot	103
3.	Kohat	70
4.	Takhtbai	45
5.	Cherat	38
6.	Oghi	30
B. Sindh		
1.	Dadu	142
2.	Karachi	[Faisal Base=134, Gulshan e Hadeed=122, Nazimabad=91, Saddar=88, Landhi=85, Airport=81, University Road=79, Sadi Town=72, Masroor Base=68, Jinnah Terminal=67, North Karachi=50 & Surjani, Town=38]
3.	Padidan	110
4.	Thatta	89
5.	Moin-jo-Daro	82
6.	Larkana	66
7.	Sakrand	56
8.	Mirpur Khas	54
9.	Shaheed Benazeerabad	49
C. Punjab		
1.	Islamabad	(Shamsabad=102, Zeropoint=98, Chaklala Airbase=64, Saidpur=34, New Airport=31, Golra=29 & Bokra=27)
2.	Attock	60
3.	Kamra	37
4.	Haraman	33
D. Balochistan		
1.	Turbat	46
2.	Lasbela	43
E. Azad Jammu & Kashmir		
1.	Bandi Abbaspur	39
2.	Kotli	37
3.	Muzaffarabad	35
4.	Palandri	30