



**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
TUESDAY, AUGUST 25, 2020**

Presently, there is no riverine flood situation in the country with all main rivers flowing "Normal". A combined live storage of **13.095 MAF** which is **96.18% of total live storage of 13.614 MAF** has been attained as of 0600 hours today. Discharges in all main rivers at important control structures including water levels and storage position of major reservoirs are depicted in **Annexure-I**.

2. **Tarbela and Mangla Reservoirs** are presently **3.50 feet** and **3.10 feet** below their respective MCLs of **1550.00 feet** & **1242.00 feet**. **Keeping in view the latest forecast of FFD, Lahore, stating likelihood of Category-I flood situation in river Jhelum upstream Mangla during 26th - 28th August 2020, role of Mangla Flood Mitigation Committee would be very vital to ensure safe passage of high flows.** Further Tarbela Dam Management Authority is also advised for effective monitoring and regulation of flows as per prevailing SOPs and Dam Safety Guidelines.

3. **Well Marked Monsoon Low** over southern parts of Rajasthan (India) and its neighbourhood is remained stationary with another **fresh Monsoon Low** has developed over Northern Bay of Bengal (India). Besides this, **Weak Seasonal Low** continues to prevail over Western Balochistan with **Westerly Wave trough** prevailing over Northeastern parts of Afghanistan. At present **moderate moist currents** from Arabian Sea are penetrating into lower half of Pakistan (upto 7000 feet) and into the upper half of the country (upto 5000 feet) with likelihood of their intensification.

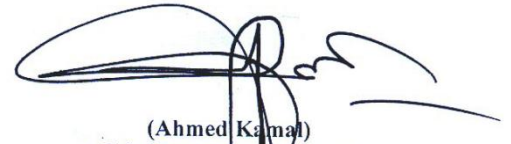
4. Scattered thunderstorm/rain over **Rawalpindi, & Gujranwala Divisions** (Punjab), **Malakand & D.I. Khan Divisions** (Khyber Pakhtunkhwa), **Kashmir** including upper catchments of all the major rivers are expected during the next 24 hours. FFD, Lahore, for the same period has predicted scattered wind-thundershower/rain with **isolated Heavy Falls** over **Karachi, Hyderabad, Shaheed Benazirabad, Dadu, Thatta, Badin, Tharparkar, Mirpurkhas, Umerkot & Sanghar Districts** of Sindh, Eastern Balochistan, in addition to isolated thunderstorm/rain over **Lahore, Sargodha, Bahawalpur & D.G. Khan Divisions** (Punjab), and **Sukkur & Larkana Districts** (Sindh).

Forecast For 26th - 28th August 2020

5. Widespread rain/wind-thundershowers with **few Heavy to Very Heavy Falls** are expected over **Islamabad, Punjab, Khyber Pakhtunkhwa, Gilgit-Baltistan & Kashmir** including the upper catchments of **Rivers Kabul, Jhelum, Chenab & Ravi** resulting into increase in discharges of Rivers Kabul, Chenab & Ravi including their tributaries/ local nullahs.

6. FFD, Lahore, has reported further that **due to possible convergence of Southeasterly from Bay of Bengal and Southwesterly from Arabian Sea over the upper catchments of Rivers Jhelum, Chenab & Ravi, it is very likely that CATEGORY-I Flood (Range: 300,000 cusecs to 500,000 cusecs) situation may arise in River Jhelum (inflow at MANGLA).** The FMC of Mangla Dam may remain alert and watch the situation critically and regulate the surplus flood water as per SOPs so as to avoid creating any flooding situation in the downstream area.

7. Prevailing weather system requires **EXTRA VIGILANCE** and **ACTIVE MONITORING** by Pakistan Meteorological Department (PMD) especially with regard to forecast of **Category-I 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.
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15. Member (Water), WAPDA, WAPDA House, Lahore.
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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 25-08-2020

**Discharges at Important River Sites
August 25, 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	172,000	130,000	650,000	Normal
▪ Kalabagh	950,000	173,000	165,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	210,000	206,000	650,000	Normal
▪ Taunsa [^]	1,000,000	233,000	209,000	650,000	Normal
▪ Guddu	1,200,000	217,000	194,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	107,000	72,000	700,000	Normal
▪ Kotri	875,000	38,000	29,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		31,000	200,000	Normal
▪ Nowshera			36,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			10,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		7,000	150,000	Normal
▪ Charsadda Road Bridge			5,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	22,000	10,000	225,000	Normal
▪ Rasul	850,000	5,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	73,000	49,000	400,000	Normal
▪ Khanki	1,100,000	41,000	34,000	400,000	Normal
▪ Qadirabad	900,000	39,000	21,000	400,000	Normal
▪ Trimmu	645,000	61,000	46,000	450,000	Normal
▪ Panjnad	700,000	24,000	8,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		9,000	150,000	Normal
▪ Shahdara	250,000		21,000	135,000	Normal
▪ Balloki	225,000	46,000	15,000	135,000	Normal
▪ Sidhnai	150,000	30,000	15,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	25,000	11,000	175,000	Normal
▪ Islam	300,000	5,000	4,000	175,000	Normal

Live Storage (MAF) ⁺

Reservoir Elevation (in Feet Above Mean Sea Level)	2020	2019	2018	Maximum	Today	Last Year
Tarbela: Maximum Conservation Level:	1550.00	1546.50	1550.00	1550.00	5.980	5.780
Minimum Operating Level:	1392.00					6.049
Chashma: Maximum Conservation Level:	649.00	647.50	647.60	645.50	0.278	0.211
Minimum Operating Level:	637.00					
Mangla: Maximum Conservation Level:	1242.00	1238.90	1217.20	1174.00	<u>7.356</u>	<u>5.485</u>
Minimum Operating Level:	1050.00					
Total Live Storage				13.614	13.095	11.745

Skardu Temperature	Today 2020	Last year 2019
Maximum	35.4 °C	28.6 °C
Minimum	14.2 °C	17.0 °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 & 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		
Sindh		
1.	Mirpur Khas	162
2.	Mithi	135
3.	Hyderabad	(City = 133 & Airport = 128)
4.	Chhor	111
5.	Badin	109
6.	Karachi	(Gulshan e Hadeed = 105, Landhi = 46, Faisal Base = 13, Jinnah Terminal & Airport=11 each & Sadi Town = 10)
7.	Tando Jam	94
8.	Thatta	72
B.		
Punjab		
9.	Islamabad	(Saidpur = 30 , Zeropoint = 16)
10.	Shadiwal	25
11.	Sialkot	22
12.	Palandri	10
C		
Azad Jammu & Kashmir		
1.	Bandi Abbaspur	23
2.	Palandri	10
D		
Khyber Pakhtunkhwa		
1.	Shinkiari	12
2.	Balakot	10

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