



**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
MONDAY AUGUST 03, 2020**

All main rivers of Indus River System (IRS) across the basin are flowing with "Normal Flow Condition" and there is no riverine flood situation in the country. **Annexure-I** depicts discharges of all main rivers at important control structures including water levels and storage position of major reservoir (Tarbela, Chashma & Mangla) as of 0600 hours today.


2. This year owing to less inflows during the on-going monsoon season as compared to last year, present storage of Tarbela Dam is **2.424 MAF** (i.e **40.53%** of maximum live storage capacity of **5.98 MAF**). Storage space of **3.556 MAF** is still left. IRSA is ensuring judicious releases so as to ensure maximum storage in Tarbela reservoir.

3. **Mangla reservoir** presently is at **1231.05 feet** meaning thereby that storage space of only **10.95 feet** is left. Keeping in view the likelihood of any abnormal inflows due to meteorology in upstream catchments, Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore are advised to ensure dam regulation fully aligned to dam safety guidelines.

4. A Monsoon Low is likely to develop over North Bay of Bengal during next 24 hours as per the prediction of FFD, Lahore. Southern parts of Pakistan may come under its impact from **6th to 8th August 2020**. Like-wise yesterday's moist currents from the Arabian Sea continues to penetrate into the upper parts of the Pakistan upto 3000 feet with Seasonal Low lying over Northeastern Balochistan. At present there is not impact of Westerly Wave trough on Pakistan which has moved away Eastwards.

5. Under the influence of current meteorological conditions over Pakistan, isolated thunderstorm/rain has been predicted by the FFD, Lahore for the succeeding 24 hours over Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions of Punjab, Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa and Northeastern Balochistan including upper catchments of all the major rivers of IRS. Few rainfall events of the last 24 hours as reported by FFD, Lahore, are depicted in **Annexure-II**.

6. Pakistan Meteorological Department (PMD) is actively monitoring the prevailing weather system with regards to its movement and impact over Pakistan on Round-the-Clock basis and is keeping all concerned informed through its central Flood Forecasting Division in 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 03-08-2020

**Discharges at Important River Sites
August 03, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	214,000	131,000	650,000	Normal
▪ Kalabagh	950,000	190,000	182,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	196,000	140,000	650,000	Normal
▪ Taunsa [^]	1,000,000	188,000	165,000	650,000	Normal
▪ Guddu	1,200,000	150,000	120,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	117,000	60,000	700,000	Normal
▪ Kotri	875,000	58,000	17,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		35,000	200,000	Normal
▪ Nowshera			52,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			9,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	27,000	17,000	225,000	Normal
▪ Rasul	850,000	12,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	55,000	24,000	400,000	Normal
▪ Khanki	1,100,000	43,000	36,000	400,000	Normal
▪ Qadirabad	900,000	42,000	20,000	400,000	Normal
▪ Trimmu	645,000	22,000	7,000	450,000	Normal
▪ Panjnad	700,000	16,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		14,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	51,000	20,000	135,000	Normal
▪ Sidhnai	150,000	21,000	7,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	16,000	2,000	175,000	Normal
▪ Islam	300,000	2,000	NIL	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	1479.00	1536.00	1519.20	5.980	2.424	5.258
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	646.30	641.00	644.00	0.278	0.163	0.040
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1231.05	1194.10	1150.60	<u>7.356</u>	<u>6.499</u>	<u>3.974</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	9.086	9.272

Skardu Temperature	Today 2020	Last year 2019
Maximum	34.4 °C	34.5 °C
Minimum	14.4 °C	22.0 °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	Punjab	
1.	Lahore	(Jail Road=33 & Airport=23)
2.	Hafizabad	15
3.	Mianwali	12
4.	Kasur	06

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