



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 17, 2020

All main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Flow Condition". The discharges (inflows/outflows) of the main rivers at important control structures alongwith water levels and storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure-I**.

2. **Tarbela Reservoir** is at an elevation of **1530.93 feet (i.e. 19.07 feet)** below its Maximum Conservation Level of **1550.00 feet**) whereas **Mangla Reservoir** is at an elevation of **1235.95 feet (i.e. 6.05 feet)** below its Maximum Conservation Level of **1242.00 feet**). Round-the-Clock monitoring of operation of Mangla Reservoir is being carried out by the Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore.


3. According to FFD, Lahore, trough of Westerly Wave earlier over North-Eastern parts of Iran today lies over Northern parts of Afghanistan. Yesterday's **Well Marked Monsoon Low** over Jharkhand (India) has moved Westwards and weakened into **Monsoon Low**. Its present location is Northern Chhattisgarh (India) and is likely to be further weakened. Weak moist currents from **Arabian Sea & Bay of Bengal** are penetrating into upper parts of Pakistan upto 5000 feet whereas **Seasonal Low** continues to prevail over Northeastern Balochistan.

4. For the following 24 hours, FFD, Lahore, has predicted scattered thunderstorm/rain over Punjab (**Rawalpindi, Gujranwala & Lahore Divisions**), Khyber Pakhtunkhwa (**Malakand, Hazara & Peshawar Divisions**) and South-eastern Sindh including upper catchments of all main rivers. Isolated thunderstorm/ rain may also occur over Sargodha, Bahawalpur & D.G. Khan Divisions of the Punjab, Bannu, Kohat & D.I. Khan Divisions of Khyber Pakhtunkhwa and North-eastern Balochistan during the same period.

5. **Rainfall prediction for next 72 hours:** Scattered to wide spread thunderstorm/rain with isolated **heavy falls, few very heavy falls** and **one or two extremely heavy falls** have been predicted by FFD, Lahore, to occur over upper catchments of Rivers Indus, Kabul, Jhelum, Chenab & Ravi. As a result, discharges are likely to increase in Rivers Indus, Kabul, Jhelum, Chenab & Ravi including their tributaries i.e. local nullahs.

6. The prominent rainfall events during the past 24 hours include: Sialkot = 40 mm, Mithi = 17 mm and Islamabad = 15 mm.

7. Round-the-Clock monitoring of prevailing weather system is being carried out by the Pakistan Meteorological Department (PMD) and keeping all concerned fully abreast of the situation through FFD, 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 17-08-2020

**Discharges at Important River Sites
August 17, 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	245,000	139,000	650,000	Normal
▪ Kalabagh	950,000	169,000	161,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	172,000	165,000	650,000	Normal
▪ Taunsa [^]	1,000,000	174,000	148,000	650,000	Normal
▪ Guddu	1,200,000	133,000	100,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	89,000	39,000	700,000	Normal
▪ Kotri	875,000	83,000	44,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		32,000	200,000	Normal
▪ Nowshera			45,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			9,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	23,000	10,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	93,000	62,000	400,000	Normal
▪ Khanki	1,100,000	50,000	42,000	400,000	Normal
▪ Qadirabad	900,000	46,000	32,000	400,000	Normal
▪ Trimmu	645,000	22,000	8,000	450,000	Normal
▪ Panjnad	700,000	12,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		7,000	150,000	Normal
▪ Shahdara	250,000		25,000	135,000	Normal
▪ Balloki	225,000	46,000	14,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	17,000	3,000	175,000	Normal
▪ Islam	300,000	1,000	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	1530.93	1547.05	1545.23	5.980	4.911	5.881
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	644.70	641.50	646.70	0.278	0.118	0.049
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1235.95	1211.45	1168.20	<u>7.356</u>	<u>6.879</u>	<u>5.085</u>
	Minimum Operating Level:	1050.00						
Total Live Storage					13.614	11.908	11.015	

Skardu Temperature	Today 2020	Last year 2019
Maximum	36.1 °C	29.4 °C
Minimum	13.3 °C	19.0 °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