



**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 JULY 26, 2020**

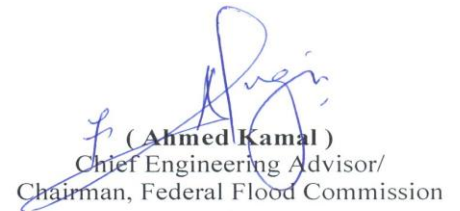
All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing Normal. Today's actual river discharges at important control structures (Dams & Barrages) and reservoir elevations as of 0600 hours today may be seen at **Annexure-I**, which indicates that Tarbela and Mangla Dams are at elevations of **1459.24 feet** and **1228.90 feet** respectively (i.e. **90.76 feet** and **13.10 feet** below their respective Maximum Conservation Level of **1550.00 feet** and **1242.00 feet**). The Mangla Dam Management Authority is advised to exercise utmost care and vigilance in reservoir operation in coordination with Mangla Dam Flood Mitigation Committee (FMC) as per approved SOPs and based on Dam Safety Guidelines. Today's Combined Live Storage of Tarbela, Mangla and Chashma is **8.140 MAF** (i.e. 59.79 % of existing total Storage Capacity of **13.614 MAF**) as compared to last year's 7.401 MAF.

2. According to Flood Forecasting Division, Lahore, yesterday's trough of Westerly Wave continue to prevail over Northern parts of the country whereas the Cyclonic Circulation still persists over East Central Arabian Sea (72.3°E, 13.7°N). Seasonal Low lies over Northwestern Balochistan. The moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country upto 4000 feet.

3. Under the influence of prevailing weather situation as reported by the Flood Forecasting Division, Lahore, scattered thunderstorm/rain of light to moderate intensity is expected over Rawalpindi Division of Punjab, Malakand, Hazara, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa and Northeastern Balochistan, besides, Southern & Southeastern Sindh and upper catchments of Rivers Jhelum, Chenab, Ravi and Sutlej during the next 24 hours. Isolated thunderstorm/rain may also occur over Gujranwala, Lahore & D.G. Khan Divisions (Punjab), Peshawar Division (KP) and upper catchment of River Indus during the same period. Mild flows are expected in the Hill Torrents of D.G. Khan Division during the next 24 hours. Some prominent rainfall events as reported by FFD, Lahore during the past 24 hours may be seen at **Annexure-II**.

4. A fresh wet spell of moderate intensity with few **heavy falls** is expected over upper half of Pakistan during the next 72 hours which may generate light to moderate flood flows in the Hill Torrents of D.G. Khan Division from **29th July 2020**.

5. Pakistan Meteorological Department (PMD) is keeping all concerned fully informed on round the clock basis through its central Flood Forecasting Division based 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. Secretary, Ministry of National Food Security and Research, Islamabad.
7. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
8. Chairman, National Disaster Management Authority, Prime Minister's Office, 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 26-07-2020

**Discharges at Important River Sites
July 26, 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	141,000	149,000	650,000	Normal
▪ Kalabagh	950,000	195,000	187,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	208,000	202,000	650,000	Normal
▪ Taunsa ^	1,000,000	199,000	175,000	650,000	Normal
▪ Guddu	1,200,000	170,000	130,000	700,000	Normal
▪ Sukkur ^^	900,000	124,000	67,000	700,000	Normal
▪ Kotri	875,000	71,000	30,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		35,000	200,000	Normal
▪ Nowshera			46,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			15,000	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	29,000	30,000	225,000	Normal
▪ Rasul	850,000	20,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	65,000	35,000	400,000	Normal
▪ Khanki	1,100,000	27,000	19,000	400,000	Normal
▪ Qadirabad	900,000	19,000	NIL	400,000	Normal
▪ Trimmu	645,000	23,000	8,000	450,000	Normal
▪ Panjnad	700,000	29,000	13,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		8,000	150,000	Normal
▪ Shahdara	250,000		19,000	135,000	Normal
▪ Balloki	225,000	37,000	8,000	135,000	Normal
▪ Sidhnai	150,000	29,000	21,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	21,000	9,000	175,000	Normal
▪ Islam	300,000	8,000	6,000	175,000	Normal

Live Storage (MAF) +

Reservoir Elevation (in Feet Above MeanSea Level)	2020	2019	2018	Maximum	Today	Last Year	
Tarbela: Maximum Conservation Level:	1550.00	1459.24	1512.94	1495.27	5.980	1.572	4.049
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	648.10	642.50	648.50	0.278	0.232	0.068
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1228.90	1182.00	1141.50	<u>7.356</u>	<u>6.336</u>	<u>3.284</u>
Minimum Operating Level:	1050.00						
Total Live Storage				13.614	8.140	7.401	

Skardu Temperature	Today 2020	Last year 2019
Maximum	34.2 °C	35.9 °C
Minimum	17.2 °C	21.0 °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.	Islamabad	Chaklala Airbase=97, Bokra=56, Golra=55, Shamsabad=48, New Airport= 28, Said Pur= 14, &Zero Point= 10)
2.	Phulra	23
3.	Kamra	14
4.	Chakwal	13
5.	Murree, DG Khan (Fort Munro)	08 each
B	Sindh	
6.	Padidan	30
7.	Badin	28
8.	Mithi	09
C	Khyber Pakhtunkhwa	
1.	Daggar	23
2.	Dir	18
D	Balochistan	
1.	Ziarat	08
2.	Khuzdar & Turbat	06 each

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