



**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
SATURDAY JULY 25, 2020**


Presently all main & other rivers are flowing in "Normal Flow Condition" and there is no riverine flood situation in the country. Inflows/outflows of main rivers within different control structures including both storage & water levels in Tarbela, Chashma and Mangla reservoirs as of 0600 hours today may be seen at **Annexure-I**. Tarbela and Mangla Dams are at elevations of **1459.57 feet** and **1229.00 feet** respectively, which are **90.43 feet** and **13 feet** below their respective Maximum Conservation Level of **1550.00 feet** and **1242.00 feet**. Mangla Dam Management, Flood Mitigation Committee, IRSA and FFD, Lahore have already been advised to take utmost care and vigilance in further filling of reservoir and strictly follow filling criteria and safety guidelines. Today's Combined Live Storage position of Tarbela, Mangla and Chashma is **8.166 MAF** (i.e 59.98% of existing total Storage Capacity of **13.614 MAF**).

2. According to Flood Forecasting Division, Lahore, Seasonal Low lies over Northwestern Balochistan, whereas trough of Westerly Wave earlier over Northeastern Afghanistan today lies over Northern parts of the country. A Cyclonic Circulation prevails over East Central Arabian Sea (72.3°E, 13.7°N). The moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country upto 5000 feet.

3. The prevailing meteorological situation in the country as reported by the FFD, Lahore may result into scattered thunderstorm/rain of light to moderate intensity over Malakand, Hazara, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa, Northeastern Balochistan, Southern & Southeastern Sindh and upper catchments of Rivers Jhelum, Chenab, Ravi and Sutlej during next 24 hours. Isolated thunderstorm/rain may also occur over Rawalpindi, Gujranwala, Lahore & D.G. Khan Divisions (Punjab), Peshawar Division (KP) and upper catchments of Indus River. Sharp peaks upto Medium Flood Level in River Jhelum upstream Mangla are expected 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 the upper half of the country from **29th July 2020** that may cause light to moderate flood flows in the Hill Torrents of D.G. Khan Division.

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 25-07-2020

**Discharges at Important River Sites
July 25, 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	140,000	146,000	650,000	Normal
▪ Kalabagh	950,000	198,000	190,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	204,000	200,000	650,000	Normal
▪ Taunsa [^]	1,000,000	201,000	175,000	650,000	Normal
▪ Guddu	1,200,000	177,000	138,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	128,000	70,000	700,000	Normal
▪ Kotri	875,000	72,000	30,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		34,000	200,000	Normal
▪ Nowshera			42,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			15,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			10,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	42,000	30,000	225,000	Normal
▪ Rasul	850,000	16,000	8,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	54,000	24,000	400,000	Normal
▪ Khanki	1,100,000	17,000	10,000	400,000	Normal
▪ Qadirabad	900,000	20,000	NIL	400,000	Normal
▪ Trimmu	645,000	27,000	12,000	450,000	Normal
▪ Panjnad	700,000	22,000	7,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		19,000	135,000	Normal
▪ Balloki	225,000	40,000	11,000	135,000	Normal
▪ Sidhnai	150,000	28,000	17,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	22,000	10,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	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	1459.57	1508.48	1486.86	5.980	1.585	3.827
Minimum Operating Level: 1392.00						
Chashma: Maximum Conservation Level: 649.00	648.20	643.50	648.60	0.278	0.237	0.089
Minimum Operating Level: 637.00						
Mangla: Maximum Conservation Level: 1242.00	1229.00	1180.20	1139.45	7.356	6.344	3.184
Minimum Operating Level: 1050.00						
Total Live Storage				13.614	8.166	7.100

Skardu Temperature	Today 2020	Last year 2019
Maximum	32.3 °C	36.1 °C
Minimum	12.3 °C	26.0 °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.	Phulra	41
2.	Islamabad	(Zeropoint=38, Golra=12, Bokra=11, Saidpur=09 & Shamsabad=08)
3.	DG Khan (Marri)	15
4.	Kakul	12
5.	Malam Jabba	09
6.	Bahawalpur (Airport)	07
B	Khyber Pakhtunkhwa	
1.	Shinkiari	33
2.	Buner	28
3.	Daggar	19
4.	Balakot	06
C	Azad Jammu & Kashmir	
1.	Kotli	30
2.	Jhelum	29
3.	Garhi Dopatta	20
4.	Mangla, Panjera & Palandri	09 each
D	Balochistan	
1.	Panjugur	08
2.	Sibbi	06
3.	Barkhan	05

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

