



**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
WEDNESDAY JULY 29, 2020**

Presently all main rivers are flowing in "Normal Flow Condition" with no riverine flood situation in the country. Flows of main rivers alongwith storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure -I**.

2. Less inflows during the current month are being experienced in **Tarbela** reservoir comparatively due to low temperatures upstream. Its present **Elevation is 1462.58 feet** as compared to **1525.75 feet** and **1511.59 feet** of last two years. IRSA is advised for judicious releases to attain as more storage in Tarbela as possible.

3. Due to good rains in the upstream catchment areas of river Jhelum, higher inflows of **54,000 cusecs** at Mangla have been observed as compared to yesterday's **28,000 cusecs**. Present water level of **Mangla** reservoir is **1229.10 feet** (just **12.90 feet** below **MCL of 1242.00 feet**). Mangla Dam Management Authority is exercising utmost care and vigilance in reservoir operation in coordination with Flood Mitigation Committee (FMC) fully aligned with approved SOPs and Dam Safety Guidelines.

4. Westerly Wave trough continues to prevail over Northeastern Afghanistan whereas Seasonal Low lies over Northern Balochistan. As per FFD, Lahore, moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet.

5. As per FFD, Lahore, scattered thunderstorm/rain of **Moderate Intensity** with a few **Heavy Falls** are expected over Rawalpindi, Gujranwala, Lahore & Bahawalpur Divisions of Punjab, Malakand, Hazara & Peshawar Divisions of Khyber Pakhtunkhwa, besides over the upper catchments of all the major rivers of Indus River System during the next 24 hours. For the same period isolated thunderstorm/rain is also expected over Sargodha, Faisalabad, Sahiwal & D.G. Khan Divisions (Punjab), Kohat, Bannu & D.I. Khan Divisions (KP) and Northeastern Balochistan. Some prominent rainfall events of last 24 hours reported by the FFD, Lahore, are depicted in **Annexure-II**.

6. Overall prevailing meteorological conditions are being closely watched and actively monitored on Round-the-Clock basis by PMD 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, Pakistan Railways, Lahore.
9. Member (Infrastructure), Planning Commission, Islamabad.
10. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chairman, National Highway Authority, Islamabad.
13. Chairman, Indus River System Authority, Islamabad.
14. Member (Water), WAPDA, WAPDA House, Lahore.
15. Director General, Pakistan Meteorological Department, Islamabad.
16. Chief Secretary, Government of the Punjab, Lahore.
17. Chief Secretary, Government of Sindh, Karachi.
18. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
19. Chief Secretary, Government of Balochistan, Quetta.
20. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
21. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
22. Chief Commissioner, Islamabad.
23. Secretary, Irrigation Department, Government of the Punjab, Lahore.
24. Secretary, Irrigation Department, Government of Sindh, Karachi.
25. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
26. Secretary, Irrigation Department, Government of Balochistan, Quetta.
27. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
28. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
29. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
30. Project Director/Chief Engineer, Mangla Dam Organization (MDO), WAPDA, Mangla.
31. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
32. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
33. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
34. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
35. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
36. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
37. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
38. Principal Information Officer, Press Information Department, Islamabad.
39. Director (News), Associated Press of Pakistan, Islamabad.
40. Director (News), Pakistan Television, Islamabad.
41. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
U.O. No.FC-I (31)/2020, dated 29-07-2020

**Discharges at Important River Sites
July 29, 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	177,000	129,000	650,000	Normal
▪ Kalabagh	950,000	182,000	173,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	204,000	198,000	650,000	Normal
▪ Taunsa [^]	1,000,000	192,000	167,000	650,000	Normal
▪ Guddu	1,200,000	158,000	120,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	110,000	53,000	700,000	Normal
▪ Kotri	875,000	74,000	39,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		35,000	200,000	Normal
▪ Nowshera			47,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			13,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	54,000	27,000	225,000	Normal
▪ Rasul	850,000	20,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	67,000	35,000	400,000	Normal
▪ Khanki	1,100,000	27,000	19,000	400,000	Normal
▪ Qadirabad	900,000	29,000	7,000	400,000	Normal
▪ Trimmu	645,000	14,000	NIL	450,000	Normal
▪ Panjnad	700,000	32,000	17,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		8,000	150,000	Normal
▪ Shahdara	250,000		23,000	135,000	Normal
▪ Balloki	225,000	43,000	13,000	135,000	Normal
▪ Sidhnai	150,000	15,000	2,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	16,000	3,000	175,000	Normal
▪ Islam	300,000	7,000	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	1462.58	1525.75	1511.59	5.980	1.709	4.706
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	648.80	640.00	645.00	0.278	0.268	0.024
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1229.10	1186.40	1147.60	<u>7.356</u>	<u>6.351</u>	<u>3.528</u>
	Minimum Operating Level:	1050.00						
Total Live Storage					13.614	8.328	8.258	

Skardu Temperature	Today 2020	Last year 2019
Maximum	33.4 ⁰ C	27.4 ⁰ C
Minimum	17.3 ⁰ C	16.3 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	(Saidpur = 57, Chaklala Airbase=32, Zero point = 31, Shamsabad= 27, Golra= 19, & Bokra= 08)
2.	Murree	15
3.	Sialkot Airport	10
4.	Phulra & Mangla	06 each
5.	Sehrkakota	05
B Azad Jammu and Kashmir		
1.	Hajira	50
2.	Garhi Dopatta	13
3.	Kotli	09
4.	Rawalakot	08
5.	Bandi Abbaspur	07
6.	Chattar Kallas & Tandali	06 each
C Khyber Pakhtunkhwa		
1.	Saidu Sharif	07
2.	Kakul	06

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