




**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
FRIDAY JULY 24, 2020**

All the main rivers of Indus Basin are presently flowing in "Normal Flow Condition". Tarbela, Chashma and Mangla reservoir's water levels and storage positions besides river inflows and outflows as of 0600 hours may be seen at **Annexure-I**.

2. Water level in **Tarbela reservoir** is **1459.98 feet** compared to **1504.94 feet** of 2019 (**44.96 feet below**). Its present storage is **1.602 MAF (26.80 % of total storage)**.
3. In **Mangla reservoir** storage space of just **13.30 feet** is left (**its Maximum Conservation Level is 1242.00 feet**). Considering this, the Mangla Dam Management, Flood Mitigation Committee, IRSA and FFD, Lahore, are advised to strictly ensure round-the-clock monitoring and utmost vigilance in view of safety of dam and real time dissemination of early warning of any abnormal inflows to the Flood Management Authorities and to the local populations in the downstream areas.
4. Presently moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country upto 4000 feet with Seasonal Low lies over Northern Balochistan. According to FFD, Lahore a shallow trough of Westerly Wave lies over Northeastern Afghanistan.
5. Scattered thunderstorm/rain of light to moderate intensity may occur over Malakand, Hazara, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa, Northeastern Balochistan and over the upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej during the next 24 hours. Isolated thunderstorm/rain may also occur over Rawalpindi, Gujranwala, Lahore & D.G. Khan Divisions (Punjab) and Peshawar (KP), besides, over upper catchment of river Indus during the same period as per FFD, Lahore.
6. A **fresh wet spell** of moderate intensity rains with few **Heavy Falls** is expected over the upper half of the Pakistan from **29th July 2020** which may result into light to moderate flows in the Hill Torrents of D.G. Khan Division. Few rainfall events have been reported by FFD, Lahore during the past 24 hours. (**Annexure-II**).
7. Pakistan Meteorological Department (PMD) is keeping all concerned fully informed 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 24-07-2020

**Discharges at Important River Sites
July 24, 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	137,000	650,000	Normal
▪ Kalabagh	950,000	211,000	203,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	207,000	200,000	650,000	Normal
▪ Taunsa ^	1,000,000	209,000	183,000	650,000	Normal
▪ Guddu	1,200,000	177,000	141,000	700,000	Normal
▪ Sukkur ^^	900,000	140,000	82,000	700,000	Normal
▪ Kotri	875,000	69,000	26,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		32,000	200,000	Normal
▪ Nowshera			43,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			14,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			9,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	28,000	15,000	225,000	Normal
▪ Rasul	850,000	8,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	49,000	19,000	400,000	Normal
▪ Khanki	1,100,000	22,000	15,000	400,000	Normal
▪ Qadirabad	900,000	26,000	4,000	400,000	Normal
▪ Trimmu	645,000	23,000	8,000	450,000	Normal
▪ Panjnad	700,000	16,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		9,000	150,000	Normal
▪ Shahdara	250,000		19,000	135,000	Normal
▪ Balloki	225,000	42,000	14,000	135,000	Normal
▪ Sidhnai	150,000	26,000	14,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	23,000	12,000	175,000	Normal
▪ Islam	300,000	5,000	3,000	175,000	Normal

Live Storage (MAF) +

<u>Reservoir Elevation (in Feet Above Mean Sea Level)</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>Maximum</u>	<u>Today</u>	<u>Last Year</u>	
Tarbela: Maximum Conservation Level:	1550.00	1459.98	1504.94	1477.78	5.980	1.602	3.654
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	648.30	644.50	647.30	0.278	0.242	0.113
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1228.70	1178.50	1136.95	<u>7.356</u>	<u>6.322</u>	<u>3.096</u>
Minimum Operating Level:	1050.00						
Total Live Storage				13.614	8.166	6.863	

Skardu Temperature	Today 2020	Last year 2019
Maximum	31.7 °C	37.3 °C
Minimum	12.4 °C	20.0 °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	Khyber Pakhtunkhwa	
1.	Balakot	21
B	Azad Jammu & Kashmir	
1.	Brarkot	19
2.	Muzaffarabad City	08
3.	Haraman	06

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