



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 08, 2020

All main rivers are flowing with normal discharges and there is no riverine flood situation in the country. Combined Live Storage of Tarbela, Chashma & Mangla alongwith river discharges may be seen at **Annexure-I**. Tarbela Dam has **87.98 feet** storage space still available for impounding water whereas Mangla Dam has attained water level of **1222.05 feet (19.95 feet below its Maximum Conservation Level of 1242.00 feet)**. The Dam management authorities alongwith Flood Mitigation Committee are fully cognizant of the situation to ensure flood flows regulation as per existing SOPs of Mangla Dam.

2. As reported by FFD, Lahore, trough of Westerly Wave earlier over Northern parts of Iran, today lies over Northern parts of Afghanistan, whereas "**Well Marked Low Pressure Area**" over Kutch has slightly moved towards South and today lies over Gulf of Kutch. It is likely to weaken. Weak Seasonal Low continues to prevail over Northeastern Balochistan. Moderate intensity moist currents from Arabian Sea are penetrating in Sindh Province upto 7000 feet and somewhat weak moist currents in the upper parts of the country upto 5000 feet.

3. FFD, Lahore, has predicted scattered wind-thunderstorm/ rain of moderate intensity over Sindh Province & Makran Coast, besides, isolated thunderstorm/rain over Punjab (Rawalpindi, Gujranwala, Lahore & D.G. Khan Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, D.I. Khan, Bannu, Kohat & Peshawar Divisions) including upper catchments of all the major rivers during the next 24 hours. Rainfall events reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. During the next 48 hours (Ref: FFD Bulletin dated July 08, 2020) monsoon activity is likely to revive over Khyber Pakhtunkhwa, Kashmir and Northern & Northeastern Punjab. Mild flooding may occur in the Hill Torrents of D.G. Khan Division (Punjab). Although wet spell over Sindh Province is likely to decrease during the next 24 hours, however, there exists likelihood of urban flooding in Karachi & Hyderabad.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on round the clock basis and keeping all concerned informed 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. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
6. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
7. Chief Executive Officer, Pakistan Railways, Lahore.
8. Member (Infrastructure), Planning Commission, Islamabad.
9. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
10. Chairman, WAPDA, WAPDA House, Lahore
11. Chairman, National Highway Authority, Islamabad.
12. Chairman, Indus River System Authority, Islamabad.
13. Member (Water), WAPDA, WAPDA House, Lahore.
14. Director General, Pakistan Meteorological Department, Islamabad.
15. Chief Secretary, Government of the Punjab, Lahore.
16. Chief Secretary, Government of Sindh, Karachi.
17. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
18. Chief Secretary, Government of Balochistan, Quetta.
19. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
20. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
21. Secretary, Irrigation Department, Government of the Punjab, Lahore.
22. Secretary, Irrigation Department, Government of Sindh, Karachi.
23. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
24. Secretary, Irrigation Department, Government of Balochistan, Quetta.
25. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
26. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
27. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
28. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
29. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
30. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
31. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
32. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
33. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
34. Principal Information Officer, Press Information Department, Islamabad.
35. Director (News), Associated Press of Pakistan, Islamabad.
36. Director (News), Pakistan Television, Islamabad.
37. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.

U.O. No. FC-I (31)/2020, dated 08-07-2020

**Discharges at Important River Sites
July 08, 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	146,000	149,000	650,000	Normal
▪ Kalabagh	950,000	221,000	214,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	214,000	208,000	650,000	Normal
▪ Taunsa [^]	1,000,000	218,000	191,000	650,000	Normal
▪ Guddu	1,200,000	185,000	150,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	137,000	82,000	700,000	Normal
▪ Kotri	875,000	46,000	12,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		38,000	200,000	Normal
▪ Nowshera			61,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			18,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		15,000	150,000	Normal
▪ Charsadda Road Bridge			12,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	48,000	15,000	225,000	Normal
▪ Rasul	850,000	16,000	8,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	63,000	30,000	400,000	Normal
▪ Khanki	1,100,000	31,000	23,000	400,000	Normal
▪ Qadirabad	900,000	33,000	11,000	400,000	Normal
▪ Trimmu	645,000	22,000	7,000	450,000	Normal
▪ Panjnad	700,000	25,000	9,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		8,000	150,000	Normal
▪ Shahdara	250,000		21,000	135,000	Normal
▪ Balloki	225,000	43,000	12,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	16,000	3,000	175,000	Normal
▪ Islam	300,000	2,000	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	1462.02	1426.27	1386.00	5.980	1.686	0.667
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	645.60	645.70	644.70	0.278	0.142	0.145
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1222.05	1147.00	1122.65	<u>7.356</u>	<u>5.832</u>	<u>1.661</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	7.660	2.473

Skardu Temperature	Today 2020	Last year 2019
Maximum	30.9 °C	33.2 °C
Minimum	19.3 °C	15.3 °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	Azad Jammu and Kashmir	
1.	Chakothe	41
2.	Hajira	23
3.	Panjera	16
4.	Bandi Abbaspur	14
5.	Sehrkakota	09
6.	Rawalakot	08
7.	Kotli	06
B	Islamabad	
1.	Islamabad	12
C	Khyber Pakhtunkhwa	
1.	Drosh	08
2.	Dir	05

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