



Government of Pakistan
Ministry of Water Resources
**Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

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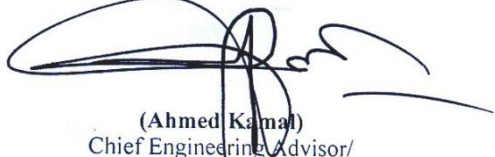
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY JULY 16, 2020

At present there is no riverine flood situation in the country as all the main rivers are flowing normal with present Combined Live Storage of Tarbela, Mangla & Chashma reservoirs as **7.737 MAF (56.83 % of 13.614 MAF, Annexure-I)**. A storage space of **16.35 feet** is left in Mangla Dam with present level at **1225.65 feet**. Mangla Dam Management Authorities alongwith Flood Mitigation Committee are fully cognizant of the situation with regard to Dam Safety and regulation of high flows. In the context of country's present reservoir positions and fluctuating temperatures upstream Tarbela, IRSA & Tarbela Dam Management Authorities are advised for judicious releases to ensure maximum filling.

2. As per FFD Lahore, Seasonal Low continues to prevail over Eastern Balochistan with Arabian Sea's moist currents are penetrating into upper parts of the country upto 3000 feet which may likely to intensify. Yesterday's Westerly Wave trough over Northern parts of Afghanistan remained stationary. It may likely to strengthen further in the coming hours.

3. Scattered thunderstorm/rain of moderate intensity may occur during the next 24 hours over Rawalpindi, Gujranwala, Multan & D.G. Khan Divisions (Punjab), Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions (Khyber Pakhtunkhwa) and Southeastern areas of Sindh. Isolated thunderstorm/ rain is also expected over Punjab (Sargodha, Faisalabad, Lahore & Bahawalpur Divisions) and Eastern Balochistan, besides over upper catchments of all the major rivers during the same period. Hill Torrents of D.G. Khan Division are likely to experience moderate flows during the next 24 hours. Some prominent rainfall across the country has been reported by the FFD, Lahore. **(Annexure-II)**

4. Prevailing meteorological conditions are being closely monitored by Pakistan Meteorological Department through its Central Flood Forecasting Division based at 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 16-07-2020

**Discharges at Important River Sites
July 16, 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	144,000	148,000	650,000	Normal
▪ Kalabagh	950,000	230,000	222,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	650,000	Normal
▪ Taunsa [^]	1,000,000	226,000	198,000	650,000	Normal
▪ Guddu	1,200,000	174,000	137,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	124,000	66,000	700,000	Normal
▪ Kotri	875,000	69,000	26,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		33,000	200,000	Normal
▪ Nowshera			51,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			15,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		12,000	150,000	Normal
▪ Charsadda Road Bridge			10,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	32,000	24,000	225,000	Normal
▪ Rasul	850,000	19,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	63,000	30,000	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	26,000	11,000	450,000	Normal
▪ Panjnad	700,000	14,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		7,000	150,000	Normal
▪ Shahdara	250,000		23,000	135,000	Normal
▪ Balloki	225,000	44,000	13,000	135,000	Normal
▪ Sidhnai	150,000	24,000	9,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	21,000	8,000	175,000	Normal
▪ Islam	300,000	5,000	4,000	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	1456.70	1478.75	1420.17	5.980	1.470	2.453
Minimum Operating Level: 1392.00						
Chashma: Maximum Conservation Level: 649.00	646.50	645.50	643.30	0.278	0.170	0.139
Minimum Operating Level: 637.00						
Mangla: Maximum Conservation Level: 1242.00	1225.65	1165.60	1124.10	<u>7.356</u>	<u>6.097</u>	<u>2.457</u>
Minimum Operating Level: 1050.00						
Total Live Storage				13.614	7.737	5.049

Skardu Temperature	Today 2020	Last year 2019
Maximum	31.1 °C	33.6 °C
Minimum	17.3 °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	Sindh	
1.	Mithi	55
2.	Badin	30
B	Punjab	
1.	Lahore	(Lukshmi= 38, Shahi Qilla= 27, Misri Shah= 23, Airport=19, Upper Mall= 11, Mughal Pura=09, Gulshan e Ravi, Jail Road & Shahdara=05(each)
2.	Mandi Bahauddin	25
3.	D.G. Khan (Fort Munro)	23
4.	Islamabad	(New Airport= 22, Golra=14, Bokra=08, Zeropoint & Shamsabad=06(each)
5.	Noorpur Thal	17
6.	Sahiwal	16
7.	Joharabad	11
8.	Murree	09
C	Azad Jammu and Kashmir	
1.	Haraman	30
2.	Jhelum	27
3.	Kotli	25
4.	Muzaffarabad	(Airport=25 & City=18)
5.	Hajira	21
6.	Tandali	20
7.	Domel	16
8.	Chakothi	13
9.	Palandri	11
10.	Garhi Dopatta	08
D	Khyber Pakhtunkhwa	
1.	Shinkiari	12
2.	Oghi	09
3.	Mohmand Dam	07
4.	Buner & Balakot	06 each
E	Balochistan	
1.	Barkhan	11
2.	Lasbela	08

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