



**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 30, 2020**

Rivers Indus, Jhelum, Chenab, Ravi and Sutlej continue to flow in "Normal Flow Category". **Annexure -I** depicts present inflows/outflows of major rivers including levels and present live storage position of Tarbela, Chashma & Mangla reservoirs.

2. Current level of **Tarbela reservoir** is **1462.58 feet**. It has **87.42 feet** storage space is still available. **Mangla reservoir** at present has **12.70 feet** storage space available. An important noticeable aspect at present is that inflows in both major reservoirs (**Tarbela & Mangla**) are much lower compared to the usual inflows during this period of monsoon season.

3. IRSA is judiciously managing releases from the **Tarbela Dam**. For **Mangla Dam**, Dam Management Authority is exercising strict care and vigilance in reservoir inflow/outflow management in coordination with Flood Mitigation Committee (FMC) members and in accordance with the contemporary guidelines (approved SOPs and Dam Safety Guidelines).

4. At present moist currents from the Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet with Seasonal Low continues to prevail over Northern Balochistan as reported by FFD, Lahore. Westerly Wave trough earlier over Northeastern Afghanistan today lies over Northern parts of Pakistan.

5. For the succeeding 24 hours FFD, Lahore, has predicted scattered thunderstorm/rain of **Moderate Intensity** with a few **Heavy Falls** over Rawalpindi, Sargodha, Gujranwala, & Lahore Divisions of Punjab and Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa including upper catchments of all the major rivers of Indus River System. Isolated thunderstorm/rain is also expected over Faisalabad, Sahiwal, Multan & D.G. Khan Divisions (Punjab) and Northeastern Balochistan during the same period. FFD, Lahore, has predicted sharp peaks upto **Medium Flood** in **River Jhelum upstream Mangla** sometime during the **next 48 hours**. Prominent rainfall events of last the 24 hours are depicted in **Annexure-II**.

6. The prevailing meteorological conditions are being closely watched and 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 30-07-2020

**Discharges at Important River Sites
July 30, 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	178,000	105,000	650,000	Normal
▪ Kalabagh	950,000	197,000	189,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	197,000	190,000	650,000	Normal
▪ Taunsa [^]	1,000,000	189,000	163,000	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	77,000	39,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		31,000	200,000	Normal
▪ Nowshera			50,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		9,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	27,000	15,000	225,000	Normal
▪ Rasul	850,000	19,000	12,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	73,000	40,000	400,000	Normal
▪ Khanki	1,100,000	34,000	27,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	400,000	Normal
▪ Trimmu	645,000	23,000	8,000	450,000	Normal
▪ Panjnad	700,000	33,000	17,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		13,000	150,000	Normal
▪ Shahdara	250,000		25,000	135,000	Normal
▪ Balloki	225,000	44,000	13,000	135,000	Normal
▪ Sidhnai	150,000	18,000	5,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	14,000	NIL	175,000	Normal
▪ Islam	300,000	3,000	1,000	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	1465.35	1528.00	1515.59	5.980	1.824
Minimum Operating Level:	1392.00					4.824
Chashma: Maximum Conservation Level:	649.00	648.00	640.00	647.80	0.278	0.227
Minimum Operating Level:	637.00					0.024
Mangla: Maximum Conservation Level:	1242.00	1229.30	1187.80	1148.90	<u>7.356</u>	<u>6.368</u>
Minimum Operating Level:	1050.00					<u>3.606</u>
Total Live Storage				13.614	8.419	8.454

Skardu Temperature	Today 2020	Last year 2019
Maximum	34.8 °C	29.1 °C
Minimum	16.7 °C	19.0 °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		
Azad Jammu & Kashmir		
1.	Haraman	79
2.	Kotli & Brarkot	30 each
3.	Domel	20
4.	Muzzafarabad	19
5.	Garhi Dupatta	18
B		
Punjab		
1.	Lahore	(Airport=68, Taj Pura=45, Jail Road=16, Upper Mall & Gulberg=15 (each) & Mughal Pura=10)
2.	Gujranwala	53
3.	Sialkot	41
4.	Narowal & Attock	33 each
5.	Islamabad	(New Airport=25, Golra=16, Bokra=14, Zeropoint=11 & Shamsabad=10)
6.	Kamra	23
7.	Kallar	19
8.	Mianwali	16
9.	Kasur	14
10.	Chakwal	11
C		
Khyber Pakhtunkhwa		
1.	Daggar	13
2.	Bannu	12
3.	Cherat & Saidu Sharif	10 each
4.	Buner, Balakot & Boun	09 each
5.	Ghariaala	08
6.	Risalpur	06

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