



**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 31, 2020**

All main rivers of Indus River System are flowing with normal discharges and there is no riverine flood situation in the country. Today's water levels and storage position of all the major reservoirs (Tarbela, Chashma & Mangla) including main river flows at important control structures is depicted in **Annexure -I**.


2. At present water level in **Tarbela reservoir** is **1468.60 feet** which is **61.40 feet** and **48.84 feet** lower than the water levels of the last two years on the same date. IRSA has been advised for judicious releases.

3. Water level in **Mangla reservoir** is **1229.80 feet** meaning thereby a storage space of **12.20 feet** is still available to reach its Maximum Conservation Level (MCL) of **1242.00 feet**. Mangla Dam Management Authority is exercising strict care and vigilance in reservoir regulations in coordination with Flood Mitigation Committee (FMC) members as per approved SOPs and Dam Safety Guidelines.

4. Trough of Westerly Wave continues to prevail over Northern parts of Pakistan with Seasonal Low persisting over Northern Balochistan. Arabian Sea's moist currents are penetrating into upper parts of Pakistan upto 5000 feet. (Refer FFD, Lahore Bulletin No.A-047/20 dated 31st July, 2020).

5. According to Flood Forecasting Division, Lahore, scattered thunderstorm/rain of **Moderate Intensity** with a few **Heavy Falls** is expected over Rawalpindi, Sargodha, Gujranwala, & Lahore Divisions of Punjab and Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa, besides over upper catchments of all the major rivers during the next 24 hours. Isolated thunderstorm/rain may also occur 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)** including mild flows in Hill Torrents of D.G. Khan Division during the succeeding **24 hours**. Prominent rainfall events of the last 24 hours are depicted in **Annexure-II**.

6. Pakistan Meteorological Department (PMD) is actively monitoring the prevailing weather situation on Round-the-Clock basis 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 31-07-2020

**Discharges at Important River Sites
July 31, 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 | 196,000 | 114,000 | 650,000 | Normal |
| ▪ Kalabagh | 950,000 | 183,000 | 175,000 | 650,000 | Normal |
| ▪ Chashma Reservoir | 1,000,000 | 196,000 | 190,000 | 650,000 | Normal |
| ▪ Taunsa [^] | 1,000,000 | 198,000 | 172,000 | 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 | 70,000 | 30,000 | 650,000 | Normal |
| River Kabul | | | | | |
| ▪ Warsak | 540,000 | | 34,000 | 200,000 | Normal |
| ▪ Nowshera | | | 50,000 | 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 | 33,000 | 13,000 | 225,000 | Normal |
| ▪ Rasul | 850,000 | 7,000 | NIL | 225,000 | Normal |
| River Chenab | | | | | |
| ▪ Marala | 1,100,000 | 61,000 | 30,000 | 400,000 | Normal |
| ▪ Khanki | 1,100,000 | 40,000 | 32,000 | 400,000 | Normal |
| ▪ Qadirabad | 900,000 | 39,000 | 17,000 | 400,000 | Normal |
| ▪ Trimmu | 645,000 | 30,000 | 16,000 | 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 | | 27,000 | 135,000 | Normal |
| ▪ Balloki | 225,000 | 45,000 | 14,000 | 135,000 | Normal |
| ▪ Sidhnai | 150,000 | 19,000 | 5,000 | 90,000 | Normal |
| River Sutlej | | | | | |
| ▪ Suleimanki | 325,000 | 14,000 | 1,000 | 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 | 1468.60 | 1530.00 | 1517.44 | 5.980 | 1.959 | 4.929 |
| Minimum Operating Level: | 1392.00 | | | | | | |
| Chashma: Maximum Conservation Level: | 649.00 | 647.90 | 640.00 | 648.00 | 0.278 | 0.186 | 0.024 |
| Minimum Operating Level: | 637.00 | | | | | | |
| Mangla: Maximum Conservation Level: | 1242.00 | 1229.80 | 1189.05 | 1148.95 | <u>7.356</u> | <u>6.403</u> | <u>3.675</u> |
| Minimum Operating Level: | 1050.00 | | | | | | |
| Total Live Storage | | | | | 13.614 | 8.548 | 8.628 |

| Skardu Temperature | Today 2020 | Last year 2019 |
|--------------------|------------|----------------|
| Maximum | 35.1 °C | 33.6 °C |
| Minimum | 17.8 °C | 23.0 °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 | 60 |
| 2. | Malam Jabba | 31 |
| B | Azad Jammu & Kashmir | |
| 1. | Haraman | 26 |
| 2. | Brarkot | 12 |
| 3. | Garhi Dupatta & Tandali | 05 each |
| C | Punjab | |
| 1. | Toba Tek Singh | 34 |
| 2. | Kot Addu & D.G. Khan | 16 each |
| 3. | Kallar | 08 |
| 4. | Attock | 07 |
| D | Balochistan | |
| 1. | Ziarat | 10 |
| 2. | Lasbela | 05 |

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