



**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
SUNDAY JULY 25, 2021**


All main rivers (**Indus, Jhelum, Chenab, Ravi and Sutlej**) are flowing normal and at present there is no Flood Situation in any of the main rivers of Indus River System. For river inflows/ outflows at important locations alongwith major reservoirs water levels & storage positions **Annexure-I** is referred. As of today, Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **6.262 MAF (46.33%** of the total Combined Live Storage Capacity of **13.516 MAF**).

2. Weak moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country up to 3000 feet and are likely to become strong. A trough of Westerly Wave lies over Northwestern parts of Afghanistan whereas weak Seasonal Low continues to persist over Northern Balochistan. Yesterday's well marked Low Pressure Area over Northern Orissa (India) has moved Northwestwards, weakened into Low and today lies over Northeastern Madhya Pradesh (India).

3. Under the influence of prevailing weather situation, scattered thunderstorm/rains of light to moderate intensity over Southeastern Sindh including upper catchments of rivers Jhelum, Chenab, Ravi and Sutlej have been predicted by FFD, Lahore for the next 24 hours. Isolated thunderstorm/ rain may also occur over Gujranwala, Lahore & D.G. Khan Divisions of the Punjab and Northeastern Balochistan during the same period. No significant rainfall event has been reported during the last 24 hours except for Khuzdar = 13 mm.

4. **For the ensuing 48 hours**, FFD, Lahore has also predicted scattered thunderstorm/rains of moderate intensity over Northern & Northeastern Punjab including upper catchments of all major rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej.

5. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all the 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. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore

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10. Member (Infrastructure), Planning Commission, Islamabad.
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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. General Manager, 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
43. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 25-07-2021

Rivers and Reservoir Positions July 25, 2021 at 0600 Hours

A. River Flow Situation:

| Structures | Designed Capacity | Last Year Flow | | Today Actual Flow | | Comparative Danger (VHF) Classification | Flood Classification* (Based on today's Outflow) |
|--|-------------------|----------------|----------|-------------------|----------|---|--|
| | | Inflow | Out Flow | In Flow | Out Flow | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| River Indus | | | | | | | |
| ▪ Tarbela Reservoir | 1,500,000 | 140,000 | 146,000 | 167,000 | 121,000 | 650,000 | Normal |
| ▪ Kalabagh | 950,000 | 198,000 | 190,000 | 178,000 | 170,000 | 650,000 | Normal |
| ▪ Chashma Reservoir | 1,000,000 | 204,000 | 200,000 | 192,000 | 180,000 | 650,000 | Normal |
| ▪ Taunsa | 1,000,000 | 201,000 | 175,000 | 195,000 | 166,000 | 650,000 | Normal |
| ▪ Guddu | 1,200,000 | 177,000 | 138,000 | 202,000 | 159,000 | 700,000 | Normal |
| ▪ Sukkur | 900,000 | 128,000 | 70,000 | 122,000 | 66,000 | 700,000 | Normal |
| ▪ Kotri | 875,000 | 72,000 | 30,000 | 30,000 | NIL | 650,000 | Normal |
| River Kabul | | | | | | | |
| ▪ Warsak | 540,000 | | 34,000 | | 24,000 | 200,000 | Normal |
| ▪ Nowshera | | | 42,000 | | 48,000 | 200,000 | Normal |
| River Swat (Tributary of Kabul) | | | | | | | |
| ▪ Chakdara Bridge | | | 15,000 | | 13,000 | 150,000 | Normal |
| ▪ Munda Head Works | 150,000 | | 11,000 | | 11,000 | 150,000 | Normal |
| ▪ Charsadda Road Bridge | | | 10,000 | | 10,000 | 100,000 | Normal |
| River Jhelum | | | | | | | |
| ▪ Mangla Reservoir | 1,060,000 | 42,000 | 30,000 | 42,000 | 10,000 | 225,000 | Normal |
| ▪ Rasul | 850,000 | 16,000 | 8,000 | 7,000 | NIL | 225,000 | Normal |
| River Chenab | | | | | | | |
| ▪ Marala | 1,100,000 | 54,000 | 24,000 | 63,000 | 30,000 | 400,000 | Normal |
| ▪ Khanki | 1,100,000 | 17,000 | 10,000 | 34,000 | 27,000 | 400,000 | Normal |
| ▪ Qadirabad | 900,000 | 20,000 | NIL | 27,000 | 7,000 | 400,000 | Normal |
| ▪ Trimmu | 875,000 | 27,000 | 12,000 | 55,000 | 39,000 | 450,000 | Normal |
| ▪ Panjnad | 865,000 | 22,000 | 7,000 | 16,000 | NIL | 450,000 | Normal |
| River Ravi | | | | | | | |
| ▪ Jassar | 275,000 | | 5,000 | | 7,000 | 150,000 | Normal |
| ▪ Shahdara | 250,000 | | 19,000 | | 25,000 | 135,000 | Normal |
| ▪ Balloki | 380,000 | 40,000 | 11,000 | 42,000 | 14,000 | 135,000 | Normal |
| ▪ Sidhnai | 150,000 | 28,000 | 17,000 | 26,000 | 9,000 | 90,000 | Normal |
| River Sutlej | | | | | | | |
| ▪ Suleimanki | 325,000 | 22,000 | 10,000 | 15,000 | 4,000 | 175,000 | Normal |
| ▪ Islam | 300,000 | 6,000 | 5,000 | 2,000 | 1,000 | 175,000 | Normal |

B. Reservoir Storage Position:

| Reservoir | Maximum Conservation Level (ft-AMSL) | Minimum Operating Level (ft-AMSL) | Water Level (Feet-AMSL) | | | Live Storage (MAF) | | | Present Storage (%age of total storage) |
|---------------------------|--------------------------------------|-----------------------------------|--------------------------|---------|---------|--------------------|--------------|--------------|---|
| | | | 2019 | 2020 | 2021 | Maximum | Last Year | Today | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Tarbela | 1550.00 | 1392.00 | 1508.48 | 1459.57 | 1492.36 | 5.882 | 1.585 | 2.903 | 49.35 % |
| Chashma | 649.00 | 638.15 | 643.50 | 648.20 | 648.20 | 0.278 | 0.237 | 0.237 | 85.25 % |
| Mangla | 1242.00 | 1050.00 | 1180.20 | 1229.00 | 1179.00 | 7.356 | 6.344 | 3.122 | 42.44 % |
| Total Live Storage | | | | | | 13.516 | 8.166 | 6.262 | 46.33 % |

C. Skardu Temperature:

| Skardu Temperature | Last year 2020 | Today 2021 |
|--------------------|----------------|------------|
| Maximum | 32.3 °C | 34.6 °C |
| Minimum | 12.3 °C | 17.3 °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"