



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
TUESDAY AUGUST 03, 2021

Not much rain activity has been experienced over the upper catchment areas of main rivers during the last 24 hours. Presently **Indus** is in mild flood situation with **Low Flood** in **Kalabagh-Chashma & Chashma-Taunsa** reaches. Jhelum, Chenab, Ravi and Sutlej are flowing with "Normal Discharges". Inflows/outflows of main rivers (at 0600 hours today at designated control structures) alongwith storage position of Tarbela, Chashma & Mangla reservoirs may be seen at **Annexure-I**. Tarbela reservoir on **July 15, 2021** was just **23%** filled which has now gained **78%** storage owing to healthy upstream inflows. Combined Live Storage of country's three major reservoirs has also improved (i.e. about **63%** of the total value of **13.516 MAF**).

2. Bay of Bengal's **Well Marked Monsoon Low** earlier over Southern Uttar Pradesh (India) is presently prevailing over Northern Madhya Pradesh (India) after moving North-Westwards. At the reporting time, weak moist currents from Bay of Bengal were penetrating into upper parts of Pakistan upto 5000 feet. As regards other weather systems, a weak Seasonal Low continues to prevail over Northern Balochistan whereas trough of Westerly Wave exists over North-Eastern parts of Afghanistan.

3. Scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Rawalpindi Division** with scattered thunderstorm/rain (**light to Moderate Intensity**) over **D.G. Khan & Bahawalpur Divisions (Punjab)** and **Peshawar, Kohat, Bannu & D.I. Khan Divisions (Khyber Pakhtunkhwa)** including upper catchments of all main rivers is expected during the next 24 hours. **Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal & Multan Divisions of Punjab Province** may also experience **Moderate Intensity** isolated thunderstorm/rain during the same period. Few rainfall events occurred during the past 24 hours (**Annexure-II**).

4. Effective and Round-the-Clock monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department and keeping all concerned fully abreast of the situation through its Flood Forecasting Division 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. Minister for Information & Broadcasting, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
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17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
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22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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26. Secretary, Irrigation Department, Government of Sindh, Karachi.
27. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
28. Secretary, Irrigation Department, Government of Balochistan, Quetta.
29. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
32. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
33. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
34. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
35. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
36. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
37. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
38. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
39. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
40. Principal Information Officer, Press Information Department, Islamabad.
41. Director (News), Associated Press of Pakistan, Islamabad.
42. Director (News), Pakistan Television, Islamabad.
43. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
44. PS to CEA/ CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 03-08-2021

Rivers and Reservoir Positions August 03, 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 | 214,000 | 131,000 | 297,000 | 159,000 | 650,000 | Normal |
| ▪ Kalabagh | 950,000 | 190,000 | 182,000 | 269,000 | 263,000 | 650,000 | Low Flood ↓ |
| ▪ Chashma Reservoir | 950,000 | 196,000 | 140,000 | 318,000 | 310,000 | 650,000 | Low Flood ↓ |
| ▪ Taunsa | 1,000,000 | 188,000 | 165,000 | 318,000 | 295,000 | 650,000 | Low Flood ↑ |
| ▪ Guddu | 1,200,000 | 150,000 | 120,000 | 234,000 | 192,000 | 700,000 | Normal |
| ▪ Sukkur | 900,000 | 117,000 | 60,000 | 122,000 | 65,000 | 700,000 | Normal |
| ▪ Kotri | 875,000 | 58,000 | 17,000 | 46,000 | 10,000 | 650,000 | Normal |
| River Kabul | | | | | | | |
| ▪ Warsak | 540,000 | | 35,000 | | 34,000 | 200,000 | Normal |
| ▪ Nowshera | | | 52,000 | | 70,000 | 200,000 | Normal |
| River Swat (Tributary of Kabul) | | | | | | | |
| ▪ Chakdara Bridge | | | 12,000 | | 17,000 | 150,000 | Normal |
| ▪ Munda Head Works | 150,000 | | 10,000 | | 13,000 | 150,000 | Normal |
| ▪ Charsadda Road Bridge | | | 9,000 | | 10,000 | 100,000 | Normal |
| River Jhelum | | | | | | | |
| ▪ Mangla Reservoir | 1,060,000 | 27,000 | 17,000 | 50,000 | 9,000 | 225,000 | Normal |
| ▪ Rasul | 850,000 | 12,000 | 5,000 | 4,000 | NIL | 225,000 | Normal |
| River Chenab | | | | | | | |
| ▪ Marala | 1,100,000 | 55,000 | 24,000 | 98,000 | 65,000 | 400,000 | Normal |
| ▪ Khanki | 1,100,000 | 43,000 | 36,000 | 83,000 | 76,000 | 400,000 | Normal |
| ▪ Qadirabad | 900,000 | 42,000 | 20,000 | 71,000 | 51,000 | 400,000 | Normal |
| ▪ Trimmu | 875,000 | 22,000 | 7,000 | 83,000 | 67,000 | 450,000 | Normal |
| ▪ Panjnad | 865,000 | 16,000 | NIL | 67,000 | 51,000 | 450,000 | Normal |
| River Ravi | | | | | | | |
| ▪ Jassar | 275,000 | | 14,000 | | 6,000 | 150,000 | Normal |
| ▪ Shahdara | 250,000 | | 27,000 | | 23,000 | 135,000 | Normal |
| ▪ Balloki | 380,000 | 51,000 | 20,000 | 38,000 | 9,000 | 135,000 | Normal |
| ▪ Sidhnai | 150,000 | 21,000 | 7,000 | 32,000 | 16,000 | 90,000 | Normal |
| River Sutlej | | | | | | | |
| ▪ Suleimanki | 325,000 | 16,000 | 2,000 | 18,000 | 4,000 | 175,000 | Normal |
| ▪ Islam | 332,000 | 2,000 | NIL | 1,000 | NIL | 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 | 1536.00 | 1479.00 | 1527.00 | 5.882 | 2.424 | 4.604 | 78.27 % |
| Chashma | 649.00 | 638.15 | 641.00 | 646.30 | 639.50 | 0.278 | 0.163 | 0.017 | 6.11 % |
| Mangla | 1242.00 | 1050.00 | 1194.10 | 1231.05 | 1193.60 | 7.356 | 6.499 | 3.944 | 53.61 % |
| Total Live Storage | | | | | | 13.516 | 9.086 | 8.565 | 63.36 % |

C. Skardu Temperature:

| Skardu Temperature | Last year 2020 | Today 2021 |
|--------------------|----------------|------------|
| Maximum | 34.4 °C | 28.4 °C |
| Minimum | 14.4 °C | 15.0 °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)

* (↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (→) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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Significant Rainfall Events during the Past 24 Hours

| Sr. No. | City/Observatory | Rainfall (mm) |
|----------------|---------------------------|---|
| A | Punjab | |
| 1. | Lahore | (Johar Town=30, Township=28, Gulshan e Ravi=14, Gulburg & Punjab University=06 (each), & Misri Shah=05) |
| 2. | Sharqpur | 30 |
| 3. | Kasur | 22 |
| 4. | DG Khan | 09 |
| 5. | Gujranwala | 05 |
| B | Khyber Pakhtunkhwa | |
| 6. | D.I.Khan | 16 |
| C | Balochistan | |
| 7. | Zhob | 36 |
| D | Gilgit-Baltistan | |
| 8. | Babusar | 06 |

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