



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 09, 2020


All main rivers are flowing with normal discharges and presently there is no riverine flood situation in the country. The combined Live Storage of Tarbela, Chashma & Mangla alongwith river discharges as of 0600 hours today may be seen at **Annexure-I**. Tarbela Dam has **88.40 feet** storage space still available for impounding water whereas Mangla Dam has attained water level of **1222.75 feet (19.25 feet below its Maximum Conservation Level of 1242.00 feet)**. The Dam management authorities alongwith Flood Mitigation Committee are fully cognizant of the situation to ensure flood flows regulation as per existing SOPs of Mangla Dam and dam safety guidelines.

2. As reported by FFD, Lahore, trough of Westerly Wave earlier over Northern parts Afghanistan today lies over Northeastern Afghanistan, whereas "**Well Marked Low Pressure Area**" over Gulf of Kutch has weakened into trough. Weak Seasonal Low lies over Northern Balochistan. Moist currents of mild intensity from Arabian Sea are penetrating into upper parts of the country & lower Sindh upto 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore, has predicted scattered wind-thunderstorm/rain of moderate intensity over Punjab (Rawalpindi & Gujranwala Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar, Kohat & Bannu Divisions) including upper catchments of all the major rivers. Isolated wind-thunderstorm/rain may also occur over Karachi, Makran Coast, Punjab (Sargodha, Faisalabad, Lahore, Multan, D.G. Khan & Bahawalpur Divisions), D.I. Khan Division of Khyber Pakhtunkhwa and Northeastern Balochistan during the same period. Rainfall events reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. During the next 48 hours (Ref: FFD Bulletin dated July 09, 2020) wet spell is likely to increase over the upper parts of the country and vanish from Sindh & Coastal Balochistan.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on round the clock basis and keeping all 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. 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
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12. Chairman, Indus River System Authority, Islamabad.
13. Member (Water), WAPDA, WAPDA House, Lahore.
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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 09-07-2020

**Discharges at Important River Sites
July 09, 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 | 146,000 | 153,000 | 650,000 | Normal |
| ▪ Kalabagh | 950,000 | 217,000 | 209,000 | 650,000 | Normal |
| ▪ Chashma Reservoir | 1,000,000 | 217,000 | 210,000 | 650,000 | Normal |
| ▪ Taunsa ^ | 1,000,000 | 216,000 | 190,000 | 650,000 | Normal |
| ▪ Guddu | 1,200,000 | 184,000 | 147,000 | 700,000 | Normal |
| ▪ Sukkur ^^ | 900,000 | 137,000 | 81,000 | 700,000 | Normal |
| ▪ Kotri | 875,000 | 47,000 | 7,000 | 650,000 | Normal |
| River Kabul | | | | | |
| ▪ Warsak | 540,000 | | 40,000 | 200,000 | Normal |
| ▪ Nowshera | | | 60,000 | 200,000 | Normal |
| River Swat (Tributary of Kabul) | | | | | |
| ▪ Chakdara Bridge | | | 16,000 | 150,000 | Normal |
| ▪ Munda Head Works ^^^ | 150,000 | | 14,000 | 150,000 | Normal |
| ▪ Charsadda Road Bridge | | | 13,000 | 100,000 | Normal |
| River Jhelum | | | | | |
| ▪ Mangla Reservoir | 1,060,000 | 41,000 | 19,000 | 225,000 | Normal |
| ▪ Rasul | 850,000 | 7,000 | NIL | 225,000 | Normal |
| River Chenab | | | | | |
| ▪ Marala | 1,100,000 | 73,000 | 40,000 | 400,000 | Normal |
| ▪ Khanki | 1,100,000 | 37,000 | 29,000 | 400,000 | Normal |
| ▪ Qadirabad | 900,000 | 27,000 | 5,000 | 400,000 | Normal |
| ▪ Trimmu | 645,000 | 28,000 | 13,000 | 450,000 | Normal |
| ▪ Panjnad | 700,000 | 21,000 | 5,000 | 450,000 | Normal |
| River Ravi | | | | | |
| ▪ Jassar | 275,000 | | 15,000 | 150,000 | Normal |
| ▪ Shahdara | 250,000 | | 23,000 | 135,000 | Normal |
| ▪ Balloki | 225,000 | 41,000 | 9,000 | 135,000 | Normal |
| ▪ Sidhnai | 150,000 | 20,000 | 5,000 | 90,000 | Normal |
| River Sutlej | | | | | |
| ▪ Suleimanki | 325,000 | 16,000 | 3,000 | 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 | 1461.60 | 1431.35 | 1386.00 | 5.980 | 1.669 | 0.788 |
| Minimum Operating Level: 1392.00 | | | | | | |
| Chashma: Maximum Conservation Level: 649.00 | 645.80 | 645.90 | 643.60 | 0.278 | 0.147 | 0.150 |
| Minimum Operating Level: 637.00 | | | | | | |
| Mangla: Maximum Conservation Level: 1242.00 | 1222.75 | 1149.40 | 1121.55 | <u>7.356</u> | <u>5.883</u> | <u>1.751</u> |
| Minimum Operating Level: 1050.00 | | | | | | |
| Total Live Storage | | | | 13.614 | 7.699 | 2.689 |

| Skardu Temperature | Today 2020 | Last year 2019 |
|--------------------|----------------|----------------|
| Maximum | 30.9 °C | 34.6 °C |
| Minimum | 16.4 °C | 16.3 °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"

+ 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 and Kashmir | |
| 1. | Balakot | 47 |
| 2. | Haraman | 12 |
| 3. | Garhi Dopatta | 07 |
| B | Punjab | |
| 1. | Kasur | 12 |
| C | Sindh | |
| 1. | Karachi | (Surjani Town= 31, North Karachi=23, Masroor Base=10, Faisal Base=08, Airport=07, Saddar, University Road & Nazimabad=06(each) |
| 2. | Padidan | 20 |
| D | Khyber Pakhtunkhwa | |
| 1. | Kakul | 32 |
| 2. | Daggar | 15 |
| 3. | Oghi | 11 |

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