



**Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

**DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY AUGUST 06, 2020**

The rivers discharge situation continues to be Normal with no flood in any of the rivers of Indus River System (IRS). The present combined live storage of three reservoirs (Tarbela, Chashma & Mangla) is **9.482 MAF** (i.e **69.65%** of the total live storage of **13.614 MAF**).

2. **Tarbela reservoir** is at **1487.67 feet** at the reporting time compared to yesterday's **1485.14 feet** indicating an increase of **2.53 feet** in reservoir's level accumulating a storage of 0.111 MAF during the past 24 hours. Subject to enhanced inflows upstream Tarbela, live storage in the reservoir is expected to increase.

3. In **Mangla reservoir** just **10.15 feet** storage space is left to attain **MCL:1242.00 feet**. Compared to last year, this year, as of today, Mangla reservoir has a storage in excess of **2.356 MAF** (i.e. August 06, 2020= 6.561 MAF Vs August 06, 2019 = 4.205 MAF). Mangla Dam Management & Flood Mitigation Committee (FMC) are advised to ensure that Reservoir (inflow/ outflow) regulation is being done in line with the approved SOPs, dam safety guidelines & IRSA's advice.


4. FFD, Lahore has reported rapid Westwards movement of yesterday's **Well Marked Monsoon Low** (earlier over Northwestern Bay of Bengal) which is now prevailing over Western Madhya Pradesh (India) with Cyclonic Circulation (extension of monsoon low in upper air) continues to persist over South Gujrat (India). Moderate to strong moist currents from the Arabian Sea and Bay of Bengal are penetrating into the Southern parts of Pakistan upto 7000 feet with weak Seasonal Low lying over West Balochistan.

5. Latest bulletin of weather prediction of FFD, Lahore, indicates likelihood of isolated thunderstorm/rain over Rawalpindi, Gujranwala, Sargodha, Lahore & D.G Khan Divisions of Punjab, Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa and Northeastern Balochistan, besides over the upper catchments of all the main rivers during the next 24 hours. Few noticeable rainfall events of last 24 hours may be seen at **Annexure-II**.

6. **Weather Prediction (6th-8th August, 2020):**

- Widespread rain/wind-thundershowers with **Isolated Heavy to Very Heavy Falls** are expected over Karachi, Hyderabad, Thatta, Badin, Tharparker, Umerkot, Mirpurkhas, Sanghar, Tando Allah Yar, Matiyari, Tando Muhammad Khan, Jamshoro, Dadu and Shaheed Benazirabad of **Sindh Province from 6th to 8th August, 2020**.
- Scattered rain-thundershowers with **Isolated Heavy Falls** are also expected in Bahawalpur & Rahim Yar Khan (Punjab), Khairpur, Sukkur, Larkana, Qambar Shahdad Kot, Jacobabad, Kashmore & Ghotki (Sindh) and Kalat, Jaffarabad, Jhal Magsi, Khuzdar, Lasbella & Awaran (Balochistan Province), besides **Urban Flooding** in Karachi & Hyderabad and **Flash Flooding** in the Hill Torrents of Eastern Balochistan and Nullahs/Rivers of Coastal Balochistan on **7th & 8th August, 2020**.

7. Round-the-clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) especially with regard to further movement, intensity and impact of **Well Marked Monsoon Low** on Pakistan. FFD, Lahore, is keeping all concerned fully abreast of the situation.


(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, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore.
10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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. Project Director/Chief Engineer, 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.

U.O. No.FC-I (31)/2020, dated 06-08-2020

**Discharges at Important River Sites
August 06, 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 | 188,000 | 113,000 | 650,000 | Normal |
| ▪ Kalabagh | 950,000 | 191,000 | 183,000 | 650,000 | Normal |
| ▪ Chashma Reservoir | 1,000,000 | 201,000 | 195,000 | 650,000 | Normal |
| ▪ Taunsa [^] | 1,000,000 | 191,000 | 166,000 | 650,000 | Normal |
| ▪ Guddu | 1,200,000 | 143,000 | 110,000 | 700,000 | Normal |
| ▪ Sukkur ^{^^} | 900,000 | 98,000 | 46,000 | 700,000 | Normal |
| ▪ Kotri | 875,000 | 49,000 | 11,000 | 650,000 | Normal |
| River Kabul | | | | | |
| ▪ Warsak | 540,000 | | 35,000 | 200,000 | Normal |
| ▪ Nowshera | | | 52,000 | 200,000 | Normal |
| River Swat (Tributary of Kabul) | | | | | |
| ▪ Chakdara Bridge | | | 10,000 | 150,000 | Normal |
| ▪ Munda Head Works ^{^^^} | 150,000 | | 8,000 | 150,000 | Normal |
| ▪ Charsadda Road Bridge | | | 8,000 | 100,000 | Normal |
| River Jhelum | | | | | |
| ▪ Mangla Reservoir | 1,060,000 | 22,000 | 13,000 | 225,000 | Normal |
| ▪ Rasul | 850,000 | 8,000 | NIL | 225,000 | Normal |
| River Chenab | | | | | |
| ▪ Marala | 1,100,000 | 66,000 | 35,000 | 400,000 | Normal |
| ▪ Khanki | 1,100,000 | 31,000 | 23,000 | 400,000 | Normal |
| ▪ Qadirabad | 900,000 | 35,000 | 13,000 | 400,000 | Normal |
| ▪ Trimmu | 645,000 | 22,000 | 7,000 | 450,000 | Normal |
| ▪ Panjnad | 700,000 | 16,000 | NIL | 450,000 | Normal |
| River Ravi | | | | | |
| ▪ Jassar | 275,000 | | 9,000 | 150,000 | Normal |
| ▪ Shahdara | 250,000 | | 24,000 | 135,000 | Normal |
| ▪ Balloki | 225,000 | 46,000 | 15,000 | 135,000 | Normal |
| ▪ Sidhnai | 150,000 | 26,000 | 11,000 | 90,000 | Normal |
| River Sutlej | | | | | |
| ▪ Suleimanki | 325,000 | 18,000 | 4,000 | 175,000 | Normal |
| ▪ Islam | 300,000 | 2,000 | 1,000 | 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 | 1487.67 | 1541.00 | 1519.75 | 5.980 | 2.782 | 5.535 |
| | Minimum Operating Level: | 1392.00 | | | | | | |
| Chashma: | Maximum Conservation Level: | 649.00 | 645.50 | 641.00 | 641.10 | 0.278 | 0.139 | 0.040 |
| | Minimum Operating Level: | 637.00 | | | | | | |
| Mangla: | Maximum Conservation Level: | 1242.00 | 1231.85 | 1197.95 | 1153.00 | <u>7.356</u> | <u>6.561</u> | <u>4.205</u> |
| | Minimum Operating Level: | 1050.00 | | | | | | |
| Total Live Storage | | | | | | 13.614 | 9.482 | 9.780 |

| Skardu Temperature | Today 2020 | Last year 2019 |
|--------------------|----------------|----------------|
| Maximum | 30.4 °C | 34.7 °C |
| Minimum | 17.4 °C | 21.0 °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. | Tandali | 24 |
| 2. | Muzaffarabad | 19 |
| 3. | Chattar Kallas & Bandi Abbaspur | 06 each |
| B | Punjab | |
| 1. | Layyah | 10 |
| 2. | Sialkot | 09 |

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