



**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 FLOOD SITUATION REPORT  
WEDNESDAY JULY 11, 2018**


All main rivers i.e. Indus, Jhelum, Chenab, Ravi & Sutlej are flowing normal, except for River Kabul which is flowing in Low Flood at Warsak. Today's actual river flows and reservoir elevations may be seen at **Annexure-I**, indicating Tarbela & Mangla reservoirs at elevations of 1388.27 feet (161.73 feet below MCL) and 1119.55 feet (122.45 feet below MCL) respectively. Country being in the grip of climate change impact is experiencing extreme water scarcity situation with Tarbela & Mangla Reservoirs only 0.4 % and 10.5 % filled compared to their full live water storage capacities. **Present reservoirs position depicts a very grim position of water availability, however, it is expected that the rainfall activity predicted between 12<sup>th</sup> July to 18<sup>th</sup> July will augment them to a certain extent.**

2. As per FFD, Lahore, yesterday's trough of Westerly Wave continues to prevail over Northeastern Afghanistan, besides, Seasonal Low over Northern Balochistan. Moderate intensity moist currents from Arabian Sea and Bay of Bengal have started to penetrate into upper parts of the country upto 5000 feet with existing Monsoon Low over Eastern Madhya Pradesh (India) has weakened into a trough.

3. Under the influence of aforementioned Meteorological conditions, scattered wind thunderstorm/ rain (with isolated heavy rains) is expected over the upper catchments of all major rivers, besides over Rawalpindi, Gujranwala & Lahore Divisions (Punjab) and Kashmir during the next 24 hours. Further, scattered wind thunderstorm/rain (moderate to heavy falls at isolated places) is expected over the upper catchments of all the major rivers, in addition to Rawalpindi, Gujranwala & Lahore Divisions (including Kashmir) from 12<sup>th</sup> July to 13<sup>th</sup> July 2018. For the longer time frame (7 days) one/ two heavy rain showers may occur over the upper catchments of Rivers Jhelum, Chenab & Ravi (Period from 12<sup>th</sup> July to 18<sup>th</sup> July 2018). As a consequence, Low to Medium level flood is expected in River Chenab alongwith its associated Nullahs in addition to the Nullahs of River Ravi.

4. Significant rainfall events reported by FFD, Lahore during the past 24 hours may be seen at **Annexure-II**.

5. The prevailing meteorological system is being closely monitored by the PMD/ FFD, Lahore with specific reference to its impact on our reservoirs and likely low to medium flooding in River Chenab and associated Nullahs. All concerned are being informed by FFD, Lahore on Round-the-Clock basis.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission  
Tel: 051-9244616

## **Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Reforms, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
4. Secretary, Ministry of Water Resources, Islamabad
5. Director General (Co-ord-I), 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, Islamabad.
8. Member (Infrastructure), Planning Commission, Islamabad.
9. Pakistan Commissioner for Indus Waters (PCIW), Lahore.
10. Chairman, WAPDA, WAPDA House, Lahore.
11. Chairman, National Highway Authority, Islamabad.
12. Chairman, Indus River System Authority, Islamabad.
13. Member (Water), WAPDA, WAPDA House, Lahore.
14. Director General, Pakistan Meteorological Department, Islamabad.
15. Chief Secretary, Government of the Punjab, Lahore.
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. Additional Chief Secretary (FATA), FATA Secretariat, Peshawar.
22. Secretary, Irrigation Department, Government of the Punjab, Lahore.
23. Secretary, Irrigation Department, Government of Sindh, Karachi.
24. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
25. Secretary, Irrigation Department, Government of Balochistan, Quetta.
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, FATA Disaster Management Authority, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. Principal Information Officer, Press Information Department, Islamabad.
36. Director (News), APP, Islamabad.
37. Director (News), PTV, Islamabad.
38. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
39. Director, Irrigation & Hydel Power, FATA Secretariat, Warsak Road, Peshawar.

U.O. No. FC-I (31)/2018, dated 11-07-2018

**Discharges at Important River Sites  
July 11, 2018 at 0600 Hours**

(Figures in Cusecs)

| Structures                             | Designed Capacity | Actual Flow |          | Comparative Danger (VHF) Classification | Actual Flood Classification* |
|--|-------------------|-------------|----------|---|------------------------------|
|  |                   | In Flow     | Out Flow |   |                              |
| <b>River Indus</b>                     |                   |             |          |   |                              |
| ▪ Tarbela Reservoir                    | 1,500,000         | 162,000     | 160,000  | 650,000                                 | Normal                       |
| ▪ Kalabagh                             | 950,000           | 142,000     | 137,000  | 650,000                                 | Normal                       |
| ▪ Chashma Reservoir                    | 1,000,000         | 169,000     | 164,000  | 650,000                                 | Normal                       |
| ▪ Taunsa <sup>^</sup>                  | 1,000,000         | 184,000     | 169,000  | 650,000                                 | Normal                       |
| ▪ Guddu                                | 1,200,000         | 149,000     | 110,000  | 700,000                                 | Normal                       |
| ▪ Sukkur <sup>^^</sup>                 | 900,000           | 92,000      | 40,000   | 700,000                                 | Normal                       |
| ▪ Kotri                                | 875,000           | 30,000      | NIL      | 650,000                                 | Normal                       |
| <b>River Kabul</b>                     |                   |             |          |   |                              |
| ▪ Warsak                               | 540,000           |             | 31,000   | 200,000                                 | Low Flood (R)**              |
| ▪ Nowshera                             |                   |             | 37,000   | 200,000                                 | Normal                       |
| <b>River Swat (Tributary of Kabul)</b> |                   |             |          |   |                              |
| ▪ Chakdara Bridge                      |                   |             | 16,000   | 150,000                                 | Normal                       |
| ▪ Munda Head Works                     |                   |             | 10,000   | 150,000                                 | Normal                       |
| ▪ Charsadda Road Bridge                |                   |             | 7,000    | 100,000                                 | Normal                       |
| <b>River Jhelum</b>                    |                   |             |          |   |                              |
| ▪ Mangla Reservoir                     | 1,060,000         | 43,000      | 55,000   | 225,000                                 | Normal                       |
| ▪ Rasul                                | 850,000           | 41,000      | 20,000   | 225,000                                 | Normal                       |
| <b>River Chenab</b>                    |                   |             |          |   |                              |
| ▪ Marala                               | 1,100,000         | 73,000      | 40,000   | 400,000                                 | Normal                       |
| ▪ Khanki                               | 1,100,000         | 35,000      | 27,000   | 400,000                                 | Normal                       |
| ▪ Qadirabad                            | 900,000           | 44,000      | 22,000   | 400,000                                 | Normal                       |
| ▪ Trimmu                               | 645,000           | 15,000      | 1,000    | 450,000                                 | Normal                       |
| ▪ Panjnad                              | 700,000           | 15,000      | NIL      | 450,000                                 | Normal                       |
| <b>River Ravi</b>                      |                   |             |          |   |                              |
| ▪ Jassar                               | 275,000           |             | 1,000    | 150,000                                 |                              |
| ▪ Shahdara                             | 250,000           |             | 19,000   | 135,000                                 | Normal                       |
| ▪ Balloki                              | 225,000           | 34,000      | 5,000    | 135,000                                 | Normal                       |
| ▪ Sidhnai                              | 150,000           | 16,000      | 1,000    | 90,000                                  | Normal                       |
| <b>River Sutlej</b>                    |                   |             |          |   |                              |
| ▪ Suleimanki                           | 325,000           | 13,000      | 2,000    | 175,000                                 | Normal                       |
| ▪ Islam                                | 300,000           | 2,000       | 1,000    | 175,000                                 | Normal                       |

Live Storage (MAF)<sup>+</sup>

| Reservoir Elevation (Feet Above Mean Sea Level) |          | 2018    | 2017    | 2016    | Maximum       | Today        | Last Year    |
|---|----------|---------|---------|---------|---------------|--------------|--------------|
| Tarbela (Maximum Conservation Level)            | 1550.00) | 1388.27 | 1481.64 | 1511.00 | 6.047         | 0.023        | 2.716        |
| (Dead Level)                                    | 1386.00) |         |         |         |               |              |              |
| Chashma (Maximum Conservation Level)            | 649.00)  | 638.15  | 643.60  | 642.00  | 0.278         | 0.000        | 0.094        |
| (Dead Level)                                    | 638.15)  |         |         |         |               |              |              |
| Mangla (Maximum Conservation Level)             | 1242.00) | 1119.55 | 1208.30 | 1220.25 | 7.358         | 0.774        | 4.923        |
| (Dead Level)                                    | 1050.00) |         |         |         |               |              |              |
| <b>Total Live Storage</b>                       |          |         |         |         | <b>13.683</b> | <b>0.797</b> | <b>7.733</b> |

**Today's Skardu Temperature: Maximum 35.6 °C Minimum 17.2 °C**  
**Last Year's Skardu Temperature: Maximum 37.3 °C Minimum 18.0 °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 &amp; 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&amp;R/14/1108/04/97 dated 17-09-2014

**Significant rainfall events reported by FFD, Lahore during the past 24 hours**

| <b>Sr. No</b> | <b>City</b>         | <b>Rainfall</b>                   |
|---------------|---------------------|-----------------------------------|
| 1.            | Garhiduppatta       | 63 mm                             |
| 2.            | Tandali             | 61 mm                             |
| 3.            | Sialkot             | (Airport = 61 mm & Cantt = 38 mm) |
| 4.            | Zafarwal            | 59 mm                             |
| 5.            | Murree              | 57 mm                             |
| 6.            | Hattian Bala        | 53 mm                             |
| 7.            | Domel               | 47 mm                             |
| 8.            | Palandri            | 40 mm                             |
| 9.            | Brarkot             | 37 mm                             |
| 10.           | Muzaffarabad        | 26 mm                             |
| 11.           | Balakot             | 23 mm                             |
| 12.           | Kotli               | 21 mm                             |
| 13.           | Rawalakot           | 18 mm                             |
| 14.           | Chattar Kallas      | 16 mm                             |
| 15.           | Chakothi            | 15 mm                             |
| 16.           | Haraman             | 12 mm                             |
| 17.           | Malamjabba          | 08 mm                             |
| 18.           | Sehrkakota & Gujrat | 07 mm each                        |