



**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**  
**FRIDAY SEPTEMBER 10, 2021**

Ongoing country-wide rains, started on 8<sup>th</sup> September 2021, are continuing. But this has no impact on the overall existing storage of major reservoirs. All main rivers of the Indus River System continue to flow with "Normal Discharges". Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **8.874 MAF (66%** of the existing Combined Live Storage Capacity of **13.516 MAF**). For main rivers flow details and major dams position **Annexure-I** is referred.

2. **Monsoon Low** continues to persist over Western Madhya Pradesh (India) with Seasonal Low prevailing over Northeastern Balochistan. Moist currents of **Moderate Intensity** from both Arabian Sea (Seasonal Low) and Bay of Bengal (Monsoon) are penetrating upto 5000 feet into Sindh, Eastern Balochistan and upper parts of Pakistan. In addition to this, Westerly Wave trough, earlier over Northern parts of Pakistan, continues to persist.

3. Scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** are expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Southern & Southeastern Sindh and Eastern Balochistan**, besides upper catchments of all main rivers during the next 24 hours. During the same period, isolated thunderstorm/ rain may also occur over **Sahiwal, Multan & Bahawalpur Divisions of Punjab Province**. The prevailing weather system may result **Low to Medium Level Floods** in nullahs/ tributaries of river Ravi (Deg, Basanter & Sakki) during the next 24 hours. Significant rainfall recorded in various parts of the country during the last 24 hours may be seen at **Annexure-II**.

4. Pakistan Meteorological Department (PMD) is monitoring the present weather system 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. 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.
7. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
8. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
9. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
10. Chief Executive Officer, Pakistan Railways, Lahore

## **Distribution:**

11. Member (Infrastructure), Planning Commission, Islamabad
12. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, National Highway Authority, Islamabad
15. Chairman, Indus River System Authority, Islamabad.
16. Member (Water), WAPDA, WAPDA House, Lahore.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Chief Secretary, Government of the Punjab, Lahore.
19. Chief Secretary, Government of Sindh, Karachi.
20. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
21. Chief Secretary, Government of Balochistan, Quetta.
22. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
23. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
24. Chief Commissioner, Islamabad.
25. Secretary, Irrigation Department, Government of the Punjab, Lahore.
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 10-09-2021

## Rivers and Reservoir Positions September 10, 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
<b>River Indus</b>							
▪ <i>Tarbela Reservoir</i>	1,500,000	127,000	110,000	130,000	138,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	188,000	183,000	179,000	172,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	162,000	149,000	185,000	164,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	195,000	185,000	159,000	140,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	570,000	541,000	133,000	102,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	489,000	447,000	75,000	24,000	700,000	Normal
▪ <i>Kotri</i>	875,000	213,000	207,000	32,000	3,000	650,000	Normal
<b>River Kabul</b>							
▪ <i>Warsak</i>	540,000		16,000		19,000	200,000	Normal
▪ <i>Nowshera</i>			32,000		18,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ <i>Chakdara Bridge</i>			8,000		9,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		10,000		2,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			9,000		3,000	100,000	Normal
<b>River Jhelum</b>							
▪ <i>Mangla Reservoir</i>	1,060,000	37,000	38,000	15,000	18,000	225,000	Normal
▪ <i>Rasul</i>	850,000	31,000	30,000	23,000	5,000	225,000	Normal
<b>River Chenab</b>							
▪ <i>Marala</i>	1,100,000	49,000	22,000	48,000	13,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	25,000	17,000	31,000	24,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	19,000	NIL	45,000	23,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	106,000	93,000	33,000	16,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	103,000	89,000	10,000	NIL	450,000	Normal
<b>River Ravi</b>							
▪ <i>Jassar</i>	275,000		5,000		12,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		18,000		29,000	135,000	Normal
▪ <i>Balloki</i>	380,000	35,000	5,000	39,000	9,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	23,000	7,000	14,000	NIL	90,000	Normal
<b>River Sutlej</b>							
▪ <i>Suleimanki</i>	325,000	19,000	6,000	15,000	2,000	175,000	Normal
▪ <i>Islam</i>	332,000	8,000	7,000	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	1550.00	1550.00	1531.50	5.882	5.980	4.845	82.36 %
Chashma	649.00	638.15	648.80	647.50	646.40	0.278	0.207	0.166	60.00 %
Mangla	1242.00	1050.00	1222.65	1242.00	1192.25	7.356	7.356	3.863	52.51 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>13.543</b>	<b>8.874</b>	<b>66.00 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	24.4 °C	31.0 °C
Minimum	15.6 °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)

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

**Government of Pakistan**  
**Ministry of Water Resources**  
**Office of Chief Engineering Adviser/**  
**Chairman, Federal Flood Commission**  
**DAILY WEATHER AND FLOOD SITUATION REPORT**  
**FRIDAY SEPTEMBER 10, 2021**

**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Lahore	174
2.	Ravi Syphon	83
3.	Hafizabad	43
4.	Okara	37
5.	Mandibahauddin, Bandi & Abbaspur	33 each
6.	Kasur	32
7.	Tandali	26
8.	Narowal	21
9.	Daulatnagar & Sahiwal	09 each
10.	Sharqpur	06
11.	Murree	05
<b>B Sindh</b>		
12.	Karachi	21
13.	Thatta	19
14.	Chhor	14
<b>C Khyber Pakhtunkhwa</b>		
15.	Shinkiari	77
16.	Kakul, Oghi & Buner	35 each
17.	Balakot	28
18.	Besham	26
19.	Saidu Sharif	24
20.	Lower Dir	18
21.	Malam Jabba	10
22.	Peshawar	06
<b>D Balochistan</b>		
23.	Barkhan	06
<b>E AJ&amp;K</b>		
24.	Muzaffarabad	84
25.	Domel	62
26.	Brarkot	44
27.	Garhi Dopatta	23
28.	Hajira	21
29.	Haraman	16
30.	Deolian	12
31.	Chattar Kallas	09
32.	Dhulli	08
33.	Rawalakot	06

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