



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

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FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**SATURDAY, SEPTEMBER 16, 2023**

There is no riverine flood situation in the country as all the major rivers of Indus River System (IRS) i.e. Rivers Indus, Jhelum, Chenab, Ravi & Sutlej are flowing in "Normal Flow Condition". River Indus continues to experience increased inflows at Tarbela (Today's **inflow-150,000 cusecs** against yesterday's **139,000 cusecs**) by virtue of high temperature in the upper catchment areas of River Indus (Skardu) since last few days. Today's **Tarbela** water level is **1546.18 feet** against yesterday's **1545.43 feet**. At present, Water level in **Mangla reservoir** is **1235.70 feet**. (**Annexure-I**). Managements of both Tarbela and Mangla reservoirs need to exercise extreme care in reservoir operation in accordance with the respective SOPs and dam safety guidelines.

2. According to FFD Lahore, yesterday's trough of Westerly Wave over Northern parts of the country persists. Yesterday's **Well Marked Low** over Northern Chhattisgarh (India) today lies over central parts of Madhya Pradesh (India) whereas **Seasonal Low** continues to persist over Northeastern Balochistan. As a result, light to moderate moist currents from both Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan upto 5000 feet.

3. **Weather and Flood Forecast for next 24 hours (Source: FFD, Lahore):**

**Scattered Wind Thunderstorm/ Rain of Moderate Intensity with Isolated Heavy Falls** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal, Multan, D.G. Khan & Bahawalpur Divisions), Southeastern Sindh, Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) & Northeastern Balochistan** including upper catchments of all the major rivers of IRS.

4. **Extended Period Weather and Flood Forecast (upto 20<sup>th</sup> September 2023):**

**Scattered wind thunderstorm/rain of moderate intensity with heavy falls at isolated places** is expected over **Islamabad, Punjab, Sindh, Khyber Pakhtunkhwa & Eastern Balochistan** including upper catchments of all the major rivers of Indus River System.

**According to latest Hydro-meteorological conditions, FFD, Lahore has predicted as follows:**

- **River Jhelum** at Mangla (upstream) is likely to attain **Low to Medium flood level** during next 72 hours
- **River Chenab & River Kabul** are likely to attain **Low to Medium flood level** during next 72 hours

5. Some good rains have been experienced during the past 24 hours in Punjab, Khyber Pakhtunkhwa and AJ&K. Details may be seen at **Annexure-II**.

6. All concerned organizations are advised to remain **ALERT**, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant 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.

## **Distribution:**

3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coord-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Deptt., Govt. of Khyber Pakhtunkhwa, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Govt. of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Govt. of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
48. Director (News), Pakistan Television, Islamabad.
49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

**U.O. No. FC-I (31)/2023, dated 16-09-2023**

## Rivers and Reservoir Positions September 16, 2023 at 0600 Hours

### A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	100,000	121,000	150,000	134,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	111,000	103,000	129,000	121,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	148,000	129,000	148,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	178,000	159,000	142,000	124,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	168,000	153,000	128,000	99,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	155,000	152,000	95,000	44,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	410,000	386,000	48,000	7,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				15,000		18,000	Normal	200,000
• Nowshera					32,000		21,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					7,000		5,000	Normal	150,000
• Munda( H. Works)					10,000		5,000	Normal	150,000
• Charsadda Road	150,000				9,000		3,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	17,000	13,000	32,000	23,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	39,000	20,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	38,000	8,000	74,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	15,000	7,000	62,000	54,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	22,000	2,000	66,000	44,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	30,000	15,000	23,000	7,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	17,000	3,000	18,000	1,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		10,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	2,000	43,000	15,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	19,000	2,000	23,000	5,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala							NIL	Normal	
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	18,000	4,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	3,000	1,000	Normal	175,000

### 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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1529.78	1550.00	1546.18	5.809	5.827	5.589	96.21 %
Chashma	649.00	638.15	647.30	648.60	644.10	0.278	0.258	0.103	37.05 %
Mangla	1242.00	1050.00	1191.65	1193.05	1235.70	7.356	3.911	6.860	93.26 %
<b>Total Live Storage</b>						<b>13.443</b>	9.996	<b>12.552</b>	<b>93.37 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + / - )
Maximum	29.4 °C	32.4 °C	+ 3.0 °C
Minimum	10.1 °C	14.2 °C	+ 4.1 °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"

\* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

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

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Islamabad/Rawalpindi	(Chaklala Airbase=72, Bokra=57, Zeropoint=53, Shamsabad-50, Saidpur=37, New Airport=36, Golra=19)
2.	Faisalabad	(Allama Iqbal colony-48, Madina Town=47, Dogar Basti-40, Gulam Muhammad Abad=35, Gulistan Colony-14)
3.	Toba Tek Singh	28
4.	Jhelum & Mangla	23 each
5.	Shorkot (Airbase)	17
6.	Jhang, Sahiwal & Kallar	15 each
7.	Kamra (Airbase)	14
8.	Bahawalnagar	13
9.	Murree & Attock	12 each
10.	Gojra	06
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
11.	Khaar-Bajaur	60
12.	Lower Dir	45
13.	Pashat-Bajaur	31
14.	Kakul	27
15.	Daggar	24
16.	Buner	22
17.	Saidu Sharif	18
18.	Besham	17
19.	Domel, Tarbela & Malam Jabba	13 each
20.	Shinkiari	11
21.	Phulra	09
22.	Bosak Bidge	08
23.	Balakot	07
24.	Oghi	06
<b>D</b>	<b>AJ &amp; K</b>	
25.	Muzaffarabad	(City=10, Airport-08)
26.	Palandri	31
27.	Chattar Kallas	19
28.	Garhi Dopatta & Rawalakot	18 each
29.	Bandi Abbaspur	06

Source: FFD, Lahore: 042-99200139