



**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  
SUNDAY, SEPTEMBER 03, 2023**

**Rivers Indus at Guddu and Sutlej at Head Islam** are experiencing **Low Flood** presently. Rest of the rivers of IRS (Jhelum, Chenab & Ravi) are discharging normal flows. **Annexure-I** indicates discharges (inflows/ outflows) of major rivers including storage position of country's major reservoirs.

2. **Tarbela and Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550 feet** and **1242 feet** since **28<sup>th</sup> August** and **29<sup>th</sup> August 2023** respectively. The dam operating authorities of both Tarbela and Mangla Dams are exercising utmost care and vigilance in reservoir's operation by following SOPs and associated Dam Safety Guidelines.

3. A **Low Pressure Area** has developed over North Bay of Bengal (India), whereas **Seasonal Low** continues to prevail over Northeastern Balochistan. Yesterday's trough of **Westerly Wave** continues to persist over Northeastern Afghanistan. Light moist currents from Arabian Sea are penetrating into central and upper parts of Pakistan up to 4000 feet.

4. For the next 24 hours, foregoing on above meteorological conditions, FFD, Lahore has predicted as under:

- **Scattered wind thunderstorm/rain of light to moderate intensity** over **Islamabad, Punjab (Rawalpindi, Sargodha & Gujranwala Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including upper catchments of Rivers **Jhelum, Chenab, Ravi & Sutlej**.
- **Scattered wind thunderstorm/rain of moderate intensity** over the upper catchments of Rivers **Indus & Kabul**.
- **Isolated wind thunderstorm/rain** over **Punjab (Lahore Division)**.
- **Scattered thunderstorm/rain of moderate intensity** likely over the upper catchments of all the major rivers of IRS up to **06<sup>th</sup> September 2023**.

5. During the preceding 24 hours, few rainfall events have been observed in **Punjab, Khyber Pakhtunkhwa, GB and AJ&K**. Details may be seen at **Annexure-II**.

6. **Punjab Irrigation Department** and **PDMA Punjab** are advised to continue state of **High Alertness**, enforce fool proof measures when needed as per Contingency/ Flood Fighting Plans for the safety of human life, properties etc. including irrigation, drainage and flood protection infrastructures.

7. Round-the-Clock monitoring of the prevailing weather conditions is being done by Pakistan Meteorological Department through FFD, Lahore and is keeping all concerned organizations fully abreast of the situation.

*for*   
(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 Climate Change, Islamabad.

## **Distribution:**

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 (Coordination-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 Department, Government of K.P, 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, Government 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, Government 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 03-09-2023**

## Rivers and Reservoir Positions September 03, 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	169,000	156,000	137,000	148,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	191,000	183,000	139,000	131,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	225,000	207,000	137,000	120,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	296,000	296,000	115,000	94,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	553,000	553,000	245,000	213,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	560,000	560,000	238,000	184,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	514,000	503,000	149,000	108,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				31,000		20,000	Normal	200,000
• Nowshera					73,000		23,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					13,000		6,000	Normal	150,000
• Munda( H. Works)					14,000		6,000	Normal	150,000
• Charsadda Road	150,000				15,000		5,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	25,000	10,000	16,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	6,000	NIL	8,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	47,000	17,000	48,000	17,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	32,000	24,000	18,000	9,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	30,000	10,000	23,000	3,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	38,000	23,000	29,000	13,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	28,000	15,000	89,000	72,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		15,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	8,000	34,000	11,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	20,000	3,000	24,000	6,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala							38,966	Normal	
• Suleimanki	325,000	598,872	08-10-1955	18,000	6,000	40,000	26,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	8,000	6,000	67,000	64,000	Low Flood (F)	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	1546.34	1550.00	1550.00	5.809	5.827	5.809	100 %
Chashma	649.00	638.15	640.50	648.60	648.10	0.278	0.258	0.232	83.45 %
Mangla	1242.00	1050.00	1196.60	1188.00	1242.00	7.356	3.617	7.356	100 %
<b>Total Live Storage</b>						<b>13.443</b>	9.702	<b>13.397</b>	<b>99.66 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference ( + /- )
Maximum	30.4 °C	31.2 °C	0.8 °C
Minimum	12.2 °C	15.4 °C	3.2 °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.	Haraman	43
<b>B</b>	<b>Khyber Pakhtunkhwa</b>	
2.	Pashat-Bajaur	45
3.	Kakul	16
4.	Oghi	14
5.	Saidu Sharif	12
6.	Kohat Airbase & Domel	10 each
7.	Cherat	08
8.	Mamad Gut	06
9.	Islampur	05
<b>C</b>	<b>Gilgit-Baltistan</b>	
10.	Astore	08
<b>D</b>	<b>AJ &amp; K</b>	
11.	Palandri	23
12.	Muzaffarabad	18

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