



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**  
**WEDNESDAY, JULY 26, 2023**

**Rivers Indus at Chashma and Sutlej at Head Suleimanki** are experiencing **Medium Flood** presently. Also **Rivers Indus, Kabul and Sutlej** are flowing with mild category flood (**Low Flood**) at (**Tarbela, Kalabagh, Taunsa, Guddu & Sukkur**), at (**Warsak & Nowshera**) and at (**Ganda Singh Wala**) respectively. 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. Present Combined Live Storage of major reservoirs (Tarbela, Chashma & Mangla) is **10.455 MAF** i.e. **77.77%** of the total value of **13.443 MAF**.

2. **Tarbela Reservoir** has attained water level of **1531 feet** i.e. **19 feet** below against its Maximum Conservation Level (MCL) of **1550 feet** whereas **Mangla Reservoir** is at an elevation of **1220.25 feet (21.75 feet below its MCL:1242.00 feet)**. In view of higher water levels, Tarbela Dam Management and Flood Mitigation Committee (FMC) of Mangla Dam are advised to remain vigilant and ensure filling of reservoirs as per approved SOPs and dam safety guidelines.

3. **A Well-Marked Low Pressure Area** has developed over Northwest Bay of Bengal (India), whereas Seasonal Low continues to prevail over Northern Balochistan. Yesterday's trough of Westerly Wave continues to persist over Northern parts of Afghanistan. Light moist currents both from Bay of Bengal and Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet, nevertheless Arabian Sea's Light moist currents are likely to intensify.

4. **Scattered Wind Thunderstorm/ Rain of Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Multan, DG Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) and Balochistan (Zhob, Loralai, Kalat, Sibbi, Makran & Nasirabad Divisions)** including upper catchments of all the major rivers of IRS are expected during the ensuing 24 hours. **Isolated Wind Thunderstorm/Rain of Light to Moderate Intensity** may also occur over **upper Sindh** during the same period.

5. During the past 24 hours, **Heavy Rainfall** has been experienced in **Sindh (Padidan=163 mm)** and **Balochistan (Sibbi=127 mm)** including light rains in Punjab, Khyber Pakhtunkhwa and AJ&K. **Annexure-II** is referred for details. Current Monsoon activity is likely to increase over **Islamabad, Punjab (Rawalpindi, Gujranwala & Lahore Divisions)** including upper catchments of all the major rivers during the next 48 hours.

6. For the extended period (**27<sup>th</sup> July to 2<sup>nd</sup> August 2023**), **Scattered to Widespread Thunderstorm/ Rain** with **isolated heavy to very heavy falls** are expected over the upper catchments of rivers Indus & Kabul from **27<sup>th</sup> to 30<sup>th</sup> July 2023**. In addition, **Scattered thunderstorm/ rain of moderate intensity** with **isolated heavy falls** may also occur over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej from **27<sup>th</sup> July to 2<sup>nd</sup> August 2023**. This may result into:

- **Moderate to Heavy Flash Flooding** is expected in the tributaries of River Kabul from **27<sup>th</sup> to 30<sup>th</sup> July 2023**.
- **Moderate to Heavy Flash Flooding** in the Hill torrents of DG Khan Division from **27<sup>th</sup> to 30<sup>th</sup> July 2023**.

7. All concerned organizations are advised to remain **Alert & Vigilant**, take prompt actions on warnings issued, to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage, flood protection & river training infrastructure etc.

8. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned organizations fully cognizant of the situation.

**Distribution:**

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

## **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 (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. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
29. Secretary, Irrigation Department, Government of the Punjab, Lahore.
30. Secretary, Irrigation Department, Government of Sindh, Karachi
31. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
32. Secretary, Irrigation Department, Government of Balochistan, Quetta.
33. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
34. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
35. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
36. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
37. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
38. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
39. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
40. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
41. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
42. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
43. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
44. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
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 26-07-2023**

## Rivers and Reservoir Positions July 26, 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	249,000	165,000	299,000	262,000	Low Flood (F)	650,000
• Kalabagh	950,000	950,000	14-7-1942	188,000	185,000	332,000	325,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	258,000	250,000	390,000	386,000	Med Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	259,000	254,000	372,000	372,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	274,000	269,000	296,000	296,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	191,000	169,000	222,000	218,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	95,000	95,000	72,000	48,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				38,000		43,000	Low Flood (R)	200,000
• Nowshera					72,000		79,000	Low Flood (R)	200,000
<b>River Swat</b>									
• Chakdara Bridge					17,000		13,000	Normal	150,000
• Munda( H. Works)					12,000		16,000	Normal	150,000
• Charsadda Road	150,000				13,000		15,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	34,000	8,000	64,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	3,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	104,000	95,000	112,000	95,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	161,000	155,000	84,000	77,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	137,000	118,000	73,000	63,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	94,000	87,000	125,000	117,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	32,000	27,000	78,000	71,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		11,000		38,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		10,000		31,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	43,000	25,000	63,000	38,000	Normal	135,000
• Sidhnaï	150,000	330,210	02-10-1988	22,000	21,000	31,000	21,000	Normal	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 20.40	76,000	Low Flood (R)	
• Suleimanki	325,000	598,872	08-10-1955	17,000	12,000	84,000	84,000	Med Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	12,000	12,000	38,000	38,000	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	1494.24	1514.49	1531.00	5.809	3.906	4.739	81.58 %
Chashma	649.00	638.15	647.70	640.50	639.50	0.278	0.032	0.017	06.12 %
Mangla	1242.00	1050.00	1180.45	1139.60	1220.25	7.356	1.386	5.699	77.47 %
<b>Total Live Storage</b>						<b>13.443</b>	5.324	10.455	77.77 %

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /- )
Maximum	29.6 °C	25.6 °C	- 4.0 °C
Minimum	19.0 °C	15.4 °C	- 3.6 °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 Punjab</b>		
1.	Bhandu Wala	36
2.	Sargodha	31
3.	Rahim Yar Khan	30
4.	Gujrat	26
5.	Bahawalpur	16
6.	Layyah	11
7.	Chunian	09
8.	Kallar	02
<b>B Sindh</b>		
9.	Padidan	163
10.	Mirpur Khas	39
11.	Karachi	23
12.	Shaheed Benazirabad	20
13.	Rohri	19
14.	Moin-Jo-Daro	16
15.	Sukkur	13
16.	Thatta	11
17.	Dadu	09
<b>C Khyber Pakhtunkhwa</b>		
18.	Kakul	19
19.	Phulra	15
20.	Ghalanai	09
21.	Shinkiari	05
<b>D Balochistan</b>		
22.	Sibbi	127
23.	Barkhan	66
24.	Turbat	12
25.	Kalat	08
26.	Panjugur	07
27.	Loralai	05
<b>E AJ &amp; K</b>		
28.	Rawalakot	19
29.	Garhi Dopatta	14
30.	Chattar Kallas & Domel	08 each
31.	Muzaffarabad	06

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