



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
WEDNESDAY, AUGUST 02, 2023

While the inflow/outflows in River Indus (upstream Taunsa) are receding gradually as compared to last 24 hours, however it is still flowing in **Medium Flood** at **Guddu & Sukkur** and in **Low Flood** at **Taunsa Barrage** (upstream **Guddu**) at the reporting time today (0600 hours). Similarly **Rivers Ravi at Head Sidhnai and Sutlej at Suleimanki & Islam** are experiencing in **Low Flood** while Rivers Jhelum & Chenab are discharging normal flows. **Annexure-I** indicates major rivers Inflows/ Outflows at specified locations including country's major reservoir live storage position.

2. **Tarbela Reservoir** has attained water level of **1539.79 feet (10.21 feet** below against its **MCL:1550 feet)** whereas, **Mangla Reservoir** is at an elevation of **1230.30 feet (11.7 feet** below its **MCL:1242 feet)**. Both Tarbela Dam Management and Mangla Dam Flood Mitigation Committee (FMC) are ensuring reservoirs filling efficiently in accordance with approved SOPs.

3. **Well Marked Monsoon Low** yesterday over Northeastern Bay of Bengal (India) has moved Northwestwards, converted into **DEPRESSION** and presently lies over West Bengal (India). With regards to other weather systems: Trough of Westerly Wave earlier over Northern parts of Afghanistan today lies over Northeastern Afghanistan with Seasonal Low persisting over Northern Balochistan. These weather systems causing thereby penetration of Light to moderate moist currents from Arabian Sea into upper parts of Pakistan up to 3000 feet.

4. **Scattered Wind Thunderstorm/ Rain of Light to Moderate Intensity** with **Isolated Heavy Falls** have been predicted by FFD, Lahore over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions)** including upper catchments of all the major rivers of IRS during the next 24 hours. No appreciable rainfall events have been experienced during past 24 hours except for Punjab (63 mm in Lahore, 14 mm in Chakwal & 11 mm in Gujranwala).

5. **Monsoon activity** over upper half of Pakistan may increase during the upcoming 48 hours. Also wet spell of **Moderate Intensity** with **Heavy Falls at scattered places** is expected over upper catchments of all the major rivers from **4th August 2023** which may continue till **7th August 2023**.

6. Tarbela and Mangla Dam Management organizations including all other relevant departments are advised to remain **Alert & Vigilant**. Take prompt response on warnings issued and ensured safety of communities living in low lying areas including the public & private properties, irrigation, drainage, flood protection & river training infrastructure etc.

7. Pakistan Meteorological Department (PMD) is closely monitoring the prevailing weather system especially the **DEPRESSION** (lying over West Bengal, India), its further movement, intensity and likely impact over Pakistan on Round-the-Clock basis through FFD, Lahore and is keeping all concerned organizations 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.
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 02-08-2023

Rivers and Reservoir Positions August 02, 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	248,000	228,000	183,000	115,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	285,000	281,000	196,000	188,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	384,000	376,000	200,000	193,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	354,000	347,000	320,000	311,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	358,000	329,000	452,000	422,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	295,000	259,000	443,000	401,000	Med Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	174,000	147,000	193,000	155,000	Normal	650,000
River Kabul									
• Warsak	540,000				35,000		27,000	Normal	200,000
• Nowshera					75,000		46,000	Normal	200,000
River Swat									
• Chakdara Bridge					21,000		12,000	Normal	150,000
• Munda(H. Works)					18,000		13,000	Normal	150,000
• Charsadda Road	150,000				16,000		12,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	59,000	8,000	45,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	15,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	72,000	55,000	81,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	86,000	80,000	59,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	102,000	83,000	57,000	47,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	86,000	83,000	93,000	88,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	104,000	96,000	121,000	108,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		26,000		24,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		31,000		22,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	48,000	31,000	48,000	26,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	21,000	16,000	57,000	43,000	Low Flood (R)	90,000
River Sutlej									
• G.S. Wala						Gauge 19.30	60,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	15,000	12,000	72,000	63,000	Low Flood (S)	175,000
• Islam	332,000	492,581	11-10-1955	5,000	5,000	59,000	58,000	Low Flood (R)	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	1524.00	1532.00	1539.79	5.809	4.816	5.222	89.89 %
Chashma	649.00	638.15	639.50	639.00	641.00	0.278	0.010	0.040	14.39 %
Mangla	1242.00	1050.00	1192.20	1155.80	1230.30	7.356	2.019	6.441	87.56 %
Total Live Storage						13.443	6.845	11.703	87.06 %

C. Skardu Temperature:

Skardu Temperature	Last Year 2022	Today 2023	Difference (+ / -)
Maximum	21.0 °C	29.8 °C	8.8 °C
Minimum	14.1 °C	16.4 °C	2.3 °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)

- * (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.