



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

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Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY, AUGUST 01, 2023

Tarbela Dam Management is maintaining good reservoir inflow/ outflow regime aligned to SOPs. Resultantly discharges downstream at various control structures are being effectively regulated.

2. **Medium Flood at Guddu & Sukkur on River Indus** is being experienced since **26th and 30th July 2023** respectively, besides **Low Flood at Taunsa Barrage** (upstream **Guddu**). Eastern rivers i.e. **Ravi at Head Sidhnai and Sutlej at Suleimanki & Islam** are also experiencing **Low Flood**. Rest of the major rivers (Jhelum & Chenab) are flowing with normal flows. Inflows/ Outflows of major rivers and reservoir live storage position may be seen at **Annexure-I**.

3. **Tarbela Reservoir** has attained water level of **1537.79 feet (12% storage space still available)** whereas, **Mangla Reservoir** is at an elevation of **1229.35 feet (13.4% storage space still available)**. Tarbela Dam Management and Flood Mitigation Committee (FMC) of Mangla Dam are ensuring reservoirs filling well in accordance with approved SOPs.

4. A **Well-Marked Monsoon Low** has developed over Northeastern Bay of Bengal (India) with a fresh trough of Westerly Wave presently prevailing over Northern parts of Afghanistan. Seasonal Low earlier over Northwestern Balochistan now lies over Northern Balochistan resulting into penetration of mild moist currents into upper parts of Pakistan up to 3000 feet.

5. For the ensuing 24 hours, mainly dry weather has been predicted by FFD, Lahore over most parts of the country. However **isolated wind thunderstorm/rain of light to moderate intensity** may occur over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions), Khyber Pakhtunkhwa (D.I. Khan Division)** and **Northeastern Balochistan** including upper catchments of all the major rivers of IRS during the same period of 24 hours.

6. During the next 48 hours, rainfall activity is likely to increase slightly over Northern & Northeastern Punjab including upper catchments of all the major rivers. Further a fresh wet spell of **moderate intensity with heavy falls** at scattered places may occur over upper catchments of all the major rivers of IRS from **5th to 7th August 2023**. Few rainfall events have been experienced during the past 24 hours. **Annexure-II** is referred for details.

7. Tarbela and Mangla dam management organizations including all other related departments are advised to remain **Alert & Vigilant**. Prompt response on warnings issued be ensured including safety of communities living in low lying areas, the public & private property, irrigation, drainage, flood protection & river training infrastructure etc.

8. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system 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

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

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4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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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 01-08-2023

Rivers and Reservoir Positions August 01, 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	295,000	240,000	211,000	159,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	287,000	283,000	207,000	179,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	381,000	373,000	234,000	229,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	336,000	329,000	357,000	357,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	324,000	304,000	470,000	443,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	278,000	237,000	444,000	406,000	Med Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	154,000	127,000	182,000	145,000	Normal	650,000
River Kabul									
• Warsak	540,000				40,000		27,000	Normal	200,000
• Nowshera					75,000		48,000	Normal	200,000
River Swat									
• Chakdara Bridge					18,000		13,000	Normal	150,000
• Munda(H. Works)					17,000		14,000	Normal	150,000
• Charsadda Road	150,000				15,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	60,000	13,000	52,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	14,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	94,000	77,000	76,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	96,000	90,000	69,000	62,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	91,000	72,000	61,000	51,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	112,000	104,000	101,000	96,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	104,000	96,000	106,000	94,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		34,000		35,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		29,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	47,000	30,000	57,000	35,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	18,000	14,000	52,000	40,000	Low Flood (F)	90,000
River Sutlej									
• G.S. Wala						Gauge 19.10	57,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	14,000	8,000	71,000	63,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	5,000	5,000	54,000	54,000	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	1521.00	1531.00	1537.79	5.809	4.761	5.112	88.00 %
Chashma	649.00	638.15	639.50	639.00	638.50	0.278	0.010	0.004	01.44 %
Mangla	1242.00	1050.00	1190.80	1153.30	1229.35	7.356	1.913	6.370	86.60 %
Total Live Storage						13.443	6.684	11.486	85.44 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /-)
Maximum	24.0 °C	28.6 °C	4.6 °C
Minimum	15.0 °C	16.4 °C	1.4 °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)
A	Punjab	
1.	Joharabad	50
2.	Kallar	18
3.	Islamabad & Murree	09 each
4.	Attock	08
5.	Mangla	06
B	Khyber Pakhtunkhwa	
6.	Cherat	21
7.	Kakul	17
8.	Malam Jabba	10
9.	Dir, Kamra (Airbase) & Pashat-Bajaur	05 each
C	Sindh	
10.	Dadu	15
D	Balochistan	
11.	Ziarat	11
E	AJ&K	
12.	Kotli	17
13.	Palandri	09

Source: FFD, Lahor (042-99200139)