



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
FRIDAY, AUGUST 11, 2023

By the grace of Almighty Allah, today **Tarbela reservoir** has attained its Maximum Conservation Level (MCL) i.e. **1550.00 feet**. This has become possible with exceptionally good reservoir operation by the Tarbela Dam Management.

2. **Mangla reservoir** is also approaching its MCL and at present it is at an elevation of **1238.15 feet** (i.e. **3.85 feet** below its MCL of **1242.00 feet**). Managements of both Tarbela and Mangla reservoirs are exercising extreme care in reservoir operation in accordance with the respective SOPs and dam safety guidelines.

3. Excerpt for **River Indus** which is in Mild Category Flood (**Low Flood**) at its three (3) control structures (**Taunsa, Guddu & Kotri**), all major rivers of Indus River System are experiencing normal flows. Discharges (inflows/outflows) of major rivers at specified control structures including major reservoir storage position today at 0600 hours may be seen at **Annexure-I**.

4. Yesterday's Trough of Westerly Wave is persisting over Northern parts of Afghanistan. Arabian Sea Seasonal Low continues to prevail over Northern Balochistan causing thereby generation of Light to Moderate moist currents which at present are penetrating into upper parts of Pakistan up to 5000 feet.

5. For the ensuing 24 hours, FFD, Lahore has predicted, **Scattered Wind Thunderstorm/Rain of Moderate Intensity** over **Gujranwala & Lahore Divisions of Punjab** including over upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej. During the same period, **Isolated Wind Thunderstorm/Rain of Moderate Intensity** may occur over **Islamabad, Punjab (Rawalpindi, Sargodha & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar & D.I. Khan Divisions)**, besides over the upper catchment of River Indus. Some good rains have been experienced in Punjab, Khyber Pakhtunkhwa and AJ&K during the past 24 hours. Details are given in **Annexure-II**.

6. For the next 48 hours, Rainfall activity may increase slightly. A fresh wet spell of **moderate intensity** at **scattered to widespread places with isolated heavy falls** may also occur over the upper catchments of all the major rivers of IRS during **13th to 15th August 2023**.

7. 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.

8. 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.
3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.

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14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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18. Member (Water), WAPDA, WAPDA House, Lahore.
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20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
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23. Chief Secretary, Government of Balochistan, Quetta
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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 11-08-2023

Rivers and Reservoir Positions August 11, 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	216,000	248,000	209,000	155,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	145,000	138,000	225,000	217,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	295,000	280,000	246,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	152,000	136,000	311,000	293,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	183,000	146,000	278,000	244,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	163,000	126,000	234,000	180,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	213,000	201,000	247,000	208,000	Low Flood (F)	650,000
River Kabul									
• Warsak	540,000				29,000		25,000	Normal	200,000
• Nowshera					46,000		40,000	Normal	200,000
River Swat									
• Chakdara Bridge					12,000		13,000	Normal	150,000
• Munda(H. Works)					9,000		14,000	Normal	150,000
• Charsadda Road	150,000				10,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	34,000	7,000	30,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	88,000	62,000	83,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	66,000	59,000	55,000	47,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	56,000	37,000	43,000	33,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	41,000	34,000	69,000	60,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	56,000	44,000	70,000	54,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		13,000		17,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		18,000		23,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	20,000	39,000	16,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	22,000	8,000	36,000	19,000	Normal	90,000
River Sutlej									
• G.S. Wala	325,000	598,872	08-10-1955	12,000	3,000	Gauge 18.80	53,000	Normal	175,000
• Suleimanki	332,000	492,581	11-10-1955	6,000	5,000	59,000	47,000	Normal	175,000
• Islam						51,590	49,607	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	1541.15	1543.70	1550.00	5.809	5.466	5.809	100 %
Chashma	649.00	638.15	642.60	645.70	644.00	0.278	0.145	0.100	35.97 %
Mangla	1242.00	1050.00	1201.20	1166.70	1238.15	7.356	2.508	7.050	95.84 %
Total Live Storage						13.443	8.119	12.959	96.40 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /-)
Maximum	34.6 °C	32.6 °C	- 2.0 °C
Minimum	18.3 °C	15.4 °C	- 2.9 °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.	Islamabad	72
2.	Lahore	71
3.	Kallar	41
4.	Murree	19
5.	Kotnaina	11
6.	Gujranwala	10
7.	Shakar Garh	07
8.	Daulatnagar	05
B	Khyber Pakhtunkhwa	
9.	Daggar	28
10.	Besham	22
11.	Kakul	19
12.	Takht Bai & Mardan	13 each
13.	Buner & Malam Jabba	09 each
14.	Bosak Bridge & Bannu	08 ach
15.	Pashat-Bajaur & Shinkiari	06 each
C	Balochistan	
16.	Zhob	08
D	AJ&K	
17.	Palandri & Barnala	19 each
18.	Rawalakot	06
<i>Source: FFD, Lahore (042-99200139)</i>		