



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
THURSDAY, AUGUST 03, 2023

River Indus has been experiencing **Medium Flood** at **Guddu & Sukkur** since **26th July** and **30th July 2023** respectively, however, flows have now receded (Outflows at **Guddu** receded from **461,353 Cusecs** to **400,000** & at **Sukkur** from **410,860 Cusecs** to **385,000 cusecs**). The maximum peak discharges were observed at **Guddu** on **30th July 2023** and at **Sukkur** on **31st July 2023**. Further to above, **Rivers Indus** at **Taunsa Barrage** (upstream **Guddu**), **Ravi** at **Sidhnai** and **Sutlej** at **Suleimanki & Islam** are also flowing in Mild Category Flood (**Low Flood**). Rivers **Jhelum & Chenab** are discharging normal flows. Major rivers discharges and reservoir's storage position may be seen at **Annexure-I**.

2. **Tarbela** and **Mangla Reservoirs** are at **1541.29 feet** and **1231.90 feet** respectively (i.e. **8.71 feet** and **10.10 feet** are below their respective MCL of **1550.00 feet** and **1242.00 feet**). In view of higher water levels in both the reservoirs, **Tarbela Dam Management** and **Mangla Dam Flood Mitigation Committee (FMC)** are advised to remain vigilant and take utmost care in reservoirs filling in accordance with the respective SOPs and Dam Safety Guidelines. Timely dissemination of flood warnings, in case of any abnormal outflows, to the concerned District Administrations and local population in the downstream areas may also be ensured by the concerned departments.

3. Yesterday's **DEPRESSION** over West Bengal (India) has moved Westwards and today lies over North Chattisgarh (India) which would not affect Pakistan significantly. Trough of Westerly Wave is persisting over Northeastern Afghanistan with Seasonal Low lies over Northwestern Balochistan. At present, Light to moderate moist currents from Arabian Sea are penetrating into upper parts of Pakistan up to 3000 feet.

4. **For the ensuing 24 hours**, FFD, Lahore has predicted **Scattered Wind Thunderstorm/Rain of Light to Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha & Lahore Divisions)** and **Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** including the upper catchments of all major rivers of IRS. Significant rainfall have been experienced during past 24 hours in Punjab, Khyber Pakhtunkhwa and AJ&K. Details may be seen at **Annexure-II**.

5. For the extended period (**4th to 7th August 2023**), wet spell of **moderate intensity** with **heavy falls** at **scattered places** may occur over upper catchments of all the major rivers of IRS.

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 on Round-the-Clock basis through FFD, Lahore and is keeping all concerned organizations fully cognizant of the situation.


(Ahmed Kamal)
Chief Engineering Adviser/
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 03-08-2023

Rivers and Reservoir Positions August 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
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	215,000	199,000	204,000	240,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	241,000	236,000	158,000	150,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	317,000	306,000	176,000	171,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	381,000	381,000	270,000	257,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	361,000	332,000	434,000	400,000	Med Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	270,000	305,000	430,000	385,000	Med Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	181,000	153,000	211,000	172,000	Normal	650,000
River Kabul									
• Warsak	540,000				32,000		27,000	Normal	200,000
• Nowshera					61,000		43,000	Normal	200,000
River Swat									
• Chakdara Bridge					20,000		13,000	Normal	150,000
• Munda(H. Works)					14,000		15,000	Normal	150,000
• Charsadda Road	150,000				14,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	34,000	8,000	56,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	9,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	33,000	87,000	60,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	59,000	53,000	59,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	69,000	50,000	52,000	42,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	86,000	83,000	74,000	68,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	122,000	113,000	124,000	111,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		15,000		20,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		21,000		26,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	52,000	35,000	45,000	23,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	20,000	13,000	59,000	44,000	Low Flood (R)	90,000
River Sutlej									
• G.S. Wala						Gauge 19.40	62,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	16,000	13,000	73,000	63,000	Low Flood (S)	175,000
• Islam	332,000	492,581	11-10-1955	7,000	6,000	65,000	64,000	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	1527.00	1534.00	1541.29	5.809	4.926	5.308	91.38 %
Chashma	649.00	638.15	639.50	641.50	642.80	0.278	0.049	0.074	26.62 %
Mangla	1242.00	1050.00	1193.60	1157.45	1231.90	7.356	2.088	6.565	89.25 %
Total Live Storage						13.443	7.063	11.947	88.87 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.7 °C	32.4 °C	3.7 °C
Minimum	14.6 °C	18.2 °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)
A.	Punjab	
1.	Mangla	41
2.	Mandibahauddin	32
3.	Jhelum	28
4.	Attock	23
5.	Murree & Gujranwala	22 each
6.	Rohtas & Daulatnagar	19 each
7.	Kamra	16
8.	Narowal	12
9.	Sialkot & Lahore	10 each
10.	Gujrat	09
11.	Ravi Syphon	06
B.	Khyber Pakhtunkhwa	
12.	Bosak Bridge	54
13.	Balakot	38
14.	Saidu Sharif	33
15.	Takht Bai	23
16.	Mardan	22
17.	Kakul	21
18.	Malam Jabba & Besham	18 each
19.	Cherat	14
20.	Lower Dir	12
21.	Khawagoobo Bridge	11
22.	Pashat-Bajaur & Daggar	10 each
23.	Dir	09
24.	Buner & Tarbela	08 each
25.	Shinkiari	07
26.	Oghi	05
C.	A J & K	
27.	Palandri	45
28.	Kotli	21

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