



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY AUGUST 09, 2022

Except for River Indus which is flowing in “**Low Flood**” at **Sukkur**, all the other main Rivers of the Indus River System (i.e. rivers Jhelum, Chenab, Ravi, Sutlej & Kabul) are discharging Normal Flows. Today's Inflows/ Outflows of main rivers at important control structures, reservoir's storage position and Skardu temperature may be seen at **Annexure-I**. Present Combined Live Storage of the Tarbela, Mangla & Chashma is **8.009 MAF** (i.e. **59.50%** of the total **13.461 MAF**).

2. Yesterday's “**Well Marked Monsoon Low**” over Northwestern Bay of Bengal (India) has slightly moved Northwestwards and today lies over Coastal Orissa (India). Trough of Westerly Wave continues to prevail over Northeastern Afghanistan and adjoining areas, whereas Seasonal Low lies over Northwestern Balochistan. Mild moist currents from Bay of Bengal are penetrating into upper parts of the country up to 5000 feet.


3. For the ensuing 24 hours, FFD, Lahore has forecasted scattered thunderstorm/rain of **Moderate Intensity** over **South & Southeastern Sindh, Eastern Balochistan** and **D.G Khan Division** including upper catchments of Rivers Indus & Jhelum. Isolated thunderstorm/rain may also occur over rest of the country during the same period. Few rainfall events reported by FFD Lahore during the past 24 hours may be seen at **Annexure-II**.

4. **Weather Outlook & Significant Flood Forecast from 10th to 16th August 2022**

According to FFD Lahore, **Intense Monsoon Activity** is likely over **Punjab (D.G. Khan Division), Sindh, Khyber Pakhtunkhwa (Kohat, Bannu & D.I. Khan Divisions)** and **Balochistan** from **10th to 13th August 2022**. Monsoon activity is also expected over upper catchments of all the Major Rivers and rest of the **Punjab & Khyber Pakhtunkhwa** including **Islamabad** but with relatively less intensity from **11th to 13th August 2022**. It may result in scattered rainfall of **Moderate to Heavy Intensity** with **Isolated Very Heavy Falls** over upper catchments of all the Major Rivers and widespread rainfall of **Heavy to Very Heavy Intensity** over **Suleman Range (D.G. Khan & Rajanpur Districts of the Punjab province)** including **Sindh & Balochistan** from **10th to 13th August 2022**. As a consequence, **Urban Flooding** is expected in **Sindh** and **Flash Flooding** in Rivers/Nullahs of **Balochistan & Hill Torrents of D.G. Khan Division** from **11th to 13th August 2022**.

5. All concerned organizations are strictly advised to remain **Fully Alert & Vigilant**, take timely actions on warnings issued by the concerned organizations to ensure safety of low lying area communities, public & private property besides irrigation, drainage & flood protection infrastructure etc.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and keeping all concerned informed through FFD, Lahore.


(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.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.

Distribution:

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)/2022, Dated 09-08-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions August 09, 2022 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 _n
		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	167,000	91,000	180,000	158,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	138,000	132,000	155,000	149,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	190,000	176,000	176,000	159,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	191,000	167,000	144,000	128,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	278,000	240,000	213,000	181,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	248,000	191,000	329,000	288,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	92,000	57,000	205,000	192,000	Normal	650,000
River Kabul									
• Warsak	540,000				24,000		24,000	Normal	200,000
• Nowshera		450,000	29-07-2010		39,000		38,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		11,000		12,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		8,000		8,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		8,000		8,000	Normal	100,000
River Jhelum								Normal	
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	30,000	8,000	40,000	6,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	8,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	62,000	28,000	92,000	66,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	24,000	17,000	63,000	57,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	26,000	6,000	46,000	27,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	36,000	20,000	52,000	46,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	50,000	34,000	65,000	54,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		15,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		23,000		17,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	11,000	44,000	25,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	24,000	8,000	20,000	9,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	16,000	3,000	12,000	6,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	4,000	2,000	12,000	11,000	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1496.85	1540.00	1541.70	5.827	5.310	5.352	91.85 %
Chashma	649.00	638.15	644.10	645.00	648.50	0.278	0.125	0.253	91.00 %
Mangla	1242.00	1050.00	1232.81	1200.35	1164.90	7.356	4.351	2.404	32.68 %
Total Live Storage						13.461	9.786	8.009	59.50 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	29.4 °C	35.7 °C	+ 6.3 °C
Minimum	18.4 °C	19.0 °C	+ 0.6 °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 freeboards

"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/ Historic Peak Floods: (applied on downstream discharge/Outflow)

(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Murree	18
B	Sindh	
2.	Tando Jam	30
3.	Shaheed Benazirabad	16
4.	Thatta	12
5.	Mithi	08
6.	Hyderabad	06
C	Khyber Pakhtunkhwa	
7.	Peshawar	(Airbase = 49, Bacha Khan Airport = 45 & City = 13)
8.	Mohmand Dam	40
9.	Takht Bai	38
10.	Mardan	36
11.	Ghalanai	35
12.	Risalpur	26
13.	Pashat-Bajaur & Phulra	18 (each)
14.	Dir	16
D	AJ&K	
15.	Rawalakot	16

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