



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
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
FRIDAY AUGUST, 05 2022

Except for River Indus which is flowing in “**Medium Flood**” at **Guddu** (downstream Taunsa) and in “**Low Flood**” at **Taunsa** and **Sukkur** respectively all other main rivers of Indus River System (Jhelum, Chenab, Ravi and Sutlej including Indus at Tarbela, Kalabagh, Chashma & Kotri) are flowing in Normal Flow Conditions. For today's Inflows/ Outflows (0600 hours) of main rivers at important control structures, reservoirs storage position, besides Skardu temperature **Annexure-I** is referred. Combined Live Storage of country's three major reservoirs (Tarbela, Mangla & Chashma) has reached **56.21%** during current Monsoon Season (Present live storage is **7.566 MAF** Vs total of **13.461 MAF**).

2. FFD, Lahore, has predicted likelihood of development of a **Monsoon Low** over Northwestern Bay of Bengal (India) during next 24 hours which may **SIGNIFICANTLY** affect lower half of Pakistan & relativity with less intensity over the upper half of Pakistan from **10th August 2022**. Trough of Westerly Wave continues to prevail over Northeastern Afghanistan and adjoining areas with Seasonal Low lies over Northwestern Balochistan. Mild moist currents both from Arabian Sea and Bay of Bengal are penetrating into upper parts of the country up to 5000 feet. (Source: FFD, Lahore).

3. For the ensuing 24 hours FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** over **upper catchment of River Indus**. Isolated thunderstorm/rain may also occur over **Northern & Northeastern Punjab** including **D.G. Khan & Bahawalpur Divisions, Sindh, Khyber Pakhtunkhwa, Eastern Balochistan** and upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej during the next 24 hours. Few rainfall events have been reported by FFD, Lahore during past 24 hours which may be seen at **Annexure-II**.

10th August 2022 onward: Weather Outlook & Flood Forecast

4. As per FFD, Lahore “Weekly Significant Weather Outlook” for river catchments, scattered rainfall of **Moderate to Heavy Intensity** with **Isolated Very Heavy Fall** is expected 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 Punjab Province)** including **Balochistan** from **10th August 2022**. As a consequence, there is likelihood of increase in the inflows of all **Major Rivers** (including their tributaries), **Hill Torrents of D.G. Khan Division** and **Rivers/Nullahs of Balochistan** from **10th of August 2022**.

5. All related organizations are advised to remain **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

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5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Ministry of Climate Change, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, 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. 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 05-08-2022

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**Rivers and Reservoir Positions
August 05, 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
		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	236,000	157,000	152,000	116,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	226,000	219,000	102,000	96,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	265,000	256,000	124,000	107,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	330,000	306,000	284,000	284,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	303,000	262,000	398,000	368,000	Med. Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	202,000	145,000	330,000	294,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	40,000	4,000	184,000	157,000	Normal	650,000
River Kabul									
• Warsak	540,000				30,000		24,000	Normal	200,000
• Nowshera		450,000	29-07-2010		53,000		47,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		14,000		16,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		13,000		10,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		9,000		12,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	43,000	7,000	35,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	3,000	NIL	9,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	78,000	44,000	63,000	38,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	54,000	46,000	37,000	31,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	50,000	30,000	44,000	25,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	54,000	38,000	88,000	84,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	66,000	50,000	96,000	85,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		10,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	40,000	22,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	28,000	13,000	21,000	13,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	17,000	4,000	20,000	16,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	8,000	7,000	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1485.14	1532.00	1537.56	5.827	4.872	5.121	87.88 %
Chashma	649.00	638.15	645.90	640.70	648.50	0.278	0.035	0.253	91.01 %
Mangla	1242.00	1050.00	1231.65	1196.05	1159.90	7.356	4.091	2.192	29.80 %
Total Live Storage						13.461	8.998	7.566	56.21 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	30.4 °C	31.0 °C	+ 0.6 °C
Minimum	13.4 °C	15.5 °C	+ 2.1 °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.	Ravi Syphon	47
2.	Islamabad	26
3.	Mangla & Gujrat	08 each
4.	Bahawalpur	07
5.	Sialkot	06
6.	Jhelum	05
B	Khyber Pakhtunkhwa	
7.	Buner	38
C	Balochistan	
8.	Lasbela	15
9.	Khuzdar	09
D	AJ&K	
10.	Kotli	20

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