



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
FRIDAY, JULY 08, 2022

Presently, all main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing Normal, except for **River Kabul**, which continues to flow in '**Low Flood Stage**' in "Warsak- Nowshera Reach". **Annexure-I** depicts inflows/outflows of main rivers alongwith storage position of Tarbela, Chashma & Mangla reservoirs at 0600 hours today besides, Skardu Temperature. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Chashma & Mangla) is **2.195 MAF** which is **16.30 % of 13.461 MAF** (Total existing Live Storage Capacity).

Flood Damages to Wala Delay Action Dam in Kaker Khurasan area, District Zhob, Balochistan:

2. Due to heavy rainfall occurred during the past 24-48 hours in the catchment areas of Wala Delay Action Dam (located at a distance of 250 km from Zhob Town towards Northwest Direction in Kaker Khurasan Area District Zhob), extra ordinary flood flows were generated in Wala River which had reportedly breached the right marginal bund in the length of 400 feet. No damages have so far been reported by PID, Balochistan. Field formation of PID, Balochistan has informed that work on plugging the breach in coordination with District Administration would be started as soon as the flood water recedes.

Weather and Rainfall forecast for next 24 hours:


3. According to Flood Forecasting Division (FFD), Lahore, yesterday's Monsoon Low over South of Gawadar (Balochistan) in Arabian Sea has become insignificant. However, its remnants (leftover) of less intensity are still affecting Southern parts of Pakistan. Low Pressure Area, yesterday over central parts of Madhya Pradesh (India) remained stationary. Trough of Westerly Wave continues to prevail over Northern parts of Afghanistan, whereas yesterday's Seasonal Low still lies over Western Balochistan. Light moist currents from Bay of Bengal are penetrating into most parts of the country up to 3,000 feet.

4. As per FFD, Lahore **scattered** thunderstorm/rain of moderate intensity with **Isolated Heavy Falls** is expected over **South & Southeastern Sindh** including **coastal Balochistan** during the next 24 hours. Scattered thunderstorm/rain of moderate intensity may also occur over **Islamabad, Punjab (Rawalpindi, Gujranwala and D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Kohat, Bannu & D.I. Khan Divisions)** including over the upper catchments of all major rivers in addition to isolated thunderstorm/rain over rest of Pakistan during the same period. Significant rainfall events reported by FFD, Lahore during the past 24 hours may be seen at **Annexure-II**.

FFD's Weather Outlook /Flood Forecast from 9th July to 11th July 2022

5. A fresh wet spell of **Moderate to Heavy** intensity with **Isolated Very Heavy Falls** is expected over **Punjab and Khyber Pakhtunkhwa** including the upper catchments of all the major rivers from **9th to 10th July 2022**. Under the influence of this spell, discharges of Rivers Ravi, Chenab, Jhelum (upstream Mangla) and Kabul are likely to increase including the local nullahs/tributaries of Rivers Ravi & Chenab (between **9th to 11th July 2022**). **Light to Moderate** flooding is expected in the Hill Torrents of **D.G. Khan Division (Punjab)** and Tributaries of River Kabul during the forecasted period.

6. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system specifically with reference to the intensity and movement of **Low Pressure area (presently lying over central parts of Madhya Pradesh, India)** and its likely impact on Pakistan's weather system and is keeping all concerned fully cognizant of the situation.


(Ahmed Kamal)
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Distribution:

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

Distribution:

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, 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 08-07-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 08, 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	139,000	133,000	288,000	200,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	156,000	150,000	180,000	173,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	167,000	158,000	214,000	205,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	158,000	140,000	178,000	157,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	121,000	87,000	97,000	72,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	58,000	25,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	32,000	1,000	22,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				28,000		45,000	Low Flood(F)	200,000
• Nowshera		450,000	29-07-2010		39,000		67,000	Low Flood(R)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		13,000		17,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		11,000		13,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		7,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	36,000	32,000	28,000	17,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	38,000	16,000	10,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	55,000	21,000	81,000	55,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	23,000	15,000	63,000	57,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	35,000	15,000	66,000	44,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	25,000	9,000	44,000	27,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	10,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	5,000	32,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	13,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	13,000	2,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	NIL	NIL	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	1462.02	1436.70	1459.08	5.827	0.809	1.434	24.60 %
Chashma	649.00	638.15	645.60	641.40	643.40	0.278	0.047	0.087	31.29 %
Mangla	1242.00	1050.00	1222.05	1154.20	1117.35	7.356	1.951	0.674	09.16 %
Total Live Storage						13.461	2.807	2.195	16.30 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	31.8 °C	33.0 °C	+ 1.2 °C
Minimum	16.3 °C	17.0 °C	+ 0.7 °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/ Historic Peak Floods: (applied on downstream discharge/Outflow)

(↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (↔) 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	Sindh	
1.	Padidan	122
2.	Karachi	Surjani Town=68, Gulshan e Hadeed=60, North Karachi=52, Quaidabad=49, Faisal Base=42, Orangi Town=26, Saadi Town=24, Gadap Town=21, Nazimabad=20, Masroor=16, Airport=14 & University Road=12.
3.	Moin-Jo-Daro	47
4.	Dadu	34
5.	Rohri	25
6.	Larkana	24
7.	Tando Jam	21
8.	Sukkur	18
9.	Khairpur & Sakrand	14 each
10.	Hyderabad & Shaheed Benazirabad	10 each
B	Khyber Pakhtunkhwa	
11.	Malam Jabba	35
12.	Saidu Sharif	24
C	Balochistan	
13.	Pasni	34
14.	Khuzdar	19
15.	Zhob	12
16.	Gawadar	10

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