



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
THURSDAY, JULY 07, 2022

Except for **River Kabul**, which at present is flowing in “**Low Flood Stage**” in “Warsak- Nowshera Reach”, all other major rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing Normal. Inflows/outflows of main rivers within different control structures including both storage & water levels in Tarbela, Chashma and Mangla reservoirs as of 0600 hours today may be seen at **Annexure-I**. Present Total Live Storage of Tarbela, Chashma & Mangla reservoirs is **1.851 MAF (13.75% of Maximum Live Storage of 13.461 MAF)**.

2. Yesterday's Monsoon Low over central parts of Gujarat (India) presently prevails over South of Gwadar (Balochistan) in Arabian Sea and its remnants (leftover) are still affecting Southern parts of Pakistan with less intensity. Sequel to this another fresh Low Pressure Area has developed over central parts of Madhya Pradesh (India). Also a fresh trough of Westerly Wave lies over Northern parts of Afghanistan whereas Seasonal Low has shifted towards Western Balochistan. At present the country is influenced by moderate moist currents from Bay of Bengal & Arabian Sea which are penetrating into lower half of Pakistan up to 5,000 feet: **(Source FFD, Lahore)**

3. For the next 24 hours, **scattered to Wide Spread** thunderstorm/rain with **Heavy Falls** at isolated places has been predicted by FFD, Lahore over **Sindh and Balochistan**. Scattered thunderstorm/rain is also likely over **Punjab (Rawalpindi, Gujranwala and D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Kohat, Bannu & D.I. Khan Divisions)** besides over the upper catchments of all major rivers in addition to isolated thunderstorm/rain over rest of Pakistan during the same period.

4. Well distributed and appreciable amount of rainfall has occurred all over Pakistan including AJ&K during the past 24 hours. **Annexure-II** depicts the details.

Weather/Flood Forecast (9th July to 10th 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 over the upper catchments of all the major rivers from **9th to 10th July 2022**. Rivers Chenab and Jhelum (upstream Mangla) discharges are likely to increase under its influence besides the local nullahs/tributaries of Rivers Ravi & Chenab (between **9th to 11th July 2022**). Hill Torrents of **D.G. Khan Division (Punjab)** may also experience **Light to Moderate** flooding during this period.

6. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to further movement, intensity and impact of **Low Pressure areas (presently lies over central parts of Madhya Pradesh, India)** over Pakistan and all concerned are being kept fully abreast of the situation 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, Ministry of Climate Change, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.

Distribution:

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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.
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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.
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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 07-07-2022

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PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 07, 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	129,000	133,000	287,000	202,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	166,000	160,000	180,000	173,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	175,000	165,000	226,000	221,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	162,000	144,000	124,000	110,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	118,000	85,000	92,000	72,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	55,000	23,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	35,000	1,000	20,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				28,000		47,000	Low Flood(R)	200,000
• Nowshera		450,000	29-07-2010		38,000		66,000	Low Flood(R)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		13,000		13,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		11,000		14,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		7,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	34,000	36,000	29,000	17,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	38,000	16,000	8,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	55,000	21,000	86,000	61,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	18,000	11,000	74,000	67,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	32,000	12,000	77,000	55,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	26,000	10,000	45,000	28,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	10,000	NIL	6,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		9,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	3,000	29,000	5,000	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	12,000	NIL	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 (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	1462.22	1436.70	1452.30	5.827	0.809	1.171	20.10 %
Chashma	649.00	638.15	645.10	640.80	641.40	0.278	0.037	0.047	16.91 %
Mangla	1242.00	1050.00	1221.30	1154.35	1115.75	7.356	1.957	0.633	8.60 %
Total Live Storage						13.461	2.803	1.851	13.75 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	32.1 °C	26.4 °C	- 5.7 °C
Minimum	14.2 °C	18.3 °C	+ 4.1 °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 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 Punjab		
1.	Gujranwala	161
2.	D.G. Khan	83
3.	Khanpur	61
4.	Islamabad	59
5.	Multan	54
6.	Rahim Yar Khan	35
7.	Sialkot	30
8.	Joharabad	26
9.	Haraman	23
10.	Okara	22
11.	Murree & Gujrat	20 each
12.	Bhandu Wala	18
13.	Sharqpur	17
14.	Noorpur Thal	14
15.	Bahawalpur	12
16.	Khanewal	10
B Sindh		
17.	Hyderabad	59
18.	Jacobabad	43
19.	Karachi	39
20.	Dadu	30
21.	Moin-Jo-Daro	25
22.	Sukkur	23
23.	Thatta	22
24.	Khairpur	21
25.	Padidan	20
26.	Shaheed Benazirabad	19
27.	Tando Jam	18
28.	Sakrand	15
29.	Rohri	14
C Khyber Pakhtunkhwa		
30.	Tirah-Khyber	51
31.	Mamad Gut	44
32.	Buner	22
33.	Balakot	16
34.	Malam Jabba	12
35.	Tarbela	10
D Balochistan		
36.	Panjgur	40
37.	Chaman	37
38.	Barkhan	24
39.	Ormara	20
40.	Khuzdar	19
41.	Ziarat	18
42.	Quetta	18
43.	Turbat	14
44.	Muslim Bagh	11
E A J & K		
45.	Kotli	15
46.	Garhi Dopatta	10

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