



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
WEDNESDAY, JULY 27, 2022

At present, **River Indus** in **Chashma-Taunsa, Taunsa-Guddu** and **Guddu-Sukkur** reaches and **River Kabul** at **Nowshera** (downstream Warsak) are flowing in “**Low Flood**”. Other main rivers of the Indus River System (i.e. Rivers **Jhelum, Chenab, Ravi & Sutlej** including River Indus at rest of the control points) are flowing in Normal Flow condition. For main rivers inflows/ outflows at important control structures, reservoirs storage position and Skardu temperature, **Annexure-I** may be seen. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.541 MAF (41.16% of 13.461 MAF)**.

2. As reported by FFD, Lahore trough of Westerly Wave earlier over Northeastern Iran today lies over Northern parts of Afghanistan with weak Seasonal Low continues to prevail over Western Balochistan. At present, Light to Moderate moist currents both from Arabian Sea & Bay of Bengal are penetrating into upper half of Pakistan upto 5000 feet.

3. For the ensuing 24 hours FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, D.G. Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Sindh** and **Eastern & Coastal Balochistan** including upper catchments of all the major rivers. Isolated thunderstorm/rain may also occur over rest of the country during the same period. As a result, likelihood of Flood Situation in the Rivers/Nullahs of Balochistan exists during the next 24 hours. Significant rainfall events during the past 24 hours as reported by FFD, Lahore may be seen at **Annexure-II**.

4. **Weather Outlook & Flood Forecast for next 48 hours** (Source: FFD, Lahore):

Scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** with **Isolated Very Heavy Falls** are expected over **Rawalpindi, Sargodha, Gujranwala & Lahore Divisions of Punjab, Peshawar (KP)** and **Islamabad**, besides over upper catchments of all the major rivers. **Medium to High Level Flooding** is expected in rivers Chenab (Marala, Khanki & Qadirabad) and Jhelum (Upstream Mangla) including its tributaries/Nullahs during the next 48 hours as a consequence.

5. All concerned authorities, especially PDMA, DDMA, GBDMA, SDMA and Provincial Irrigation Departments are strictly advised to remain **Fully Alert & Vigilant**, ensure 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), Islamabad through FFD, Lahore is constantly monitoring the present weather system in the country and is keeping all concerned fully abreast of the situation on round-the-clock basis through Flood Forecasting Division (FFD), Lahore.

(Ahmed Kamal)
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Distribution:

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2. Minister for Planning, Development & Special Initiatives, Islamabad.

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3. Minister for Climate Change, Islamabad
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11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
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14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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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 27-07-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 27, 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	228,000	136,000	254,000	159,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	167,000	160,000	174,000	171,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	197,000	180,000	289,000	281,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	172,000	151,000	283,000	278,000	Low Flood (S)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	165,000	121,000	283,000	273,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	127,000	70,000	259,000	238,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	38,000	1,000	90,000	79,000	Normal	650,000
River Kabul									
• Warsak	540,000				26,000		37,000	Normal	200,000
• Nowshera		450,000	29-07-2010		37,000		61,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		15,000		16,000	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		9,000		8,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	10,000	95,000	9,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	6,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	107,000	74,000	75,000	60,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	99,000	93,000	94,000	88,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	96,000	76,000	97,000	78,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	29,000	13,000	89,000	82,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	47,000	32,000	41,000	36,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		14,000	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	40,000	11,000	39,000	21,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	29,000	13,000	21,000	20,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	15,000	9,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	11,000	10,000	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	1459.22	1497.60	1517.89	5.827	3.140	4.077	69.97 %
Chashma	649.00	638.15	648.00	646.70	639.00	0.278	0.176	0.010	3.60 %
Mangla	1242.00	1050.00	1228.80	1182.15	1141.45	7.356	3.292	1.454	19.77 %
Total Live Storage						13.461	6.608	5.541	41.16 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	38.2 °C	36.1 °C	- 2.1
Minimum	19.0 °C	19.3 °C	+ 0.3

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)

(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.	Haraman	38
2.	Islamabad	11
3.	Mangla	09
4.	Noorpur Thal	08
5.	DG Khan, Murree & Khanpur	05 each
B	Sindh	
6.	Khairpur	71
7.	Dadu	45
8.	Larkana	32
9.	Karachi	30
10.	Chhor	19
11.	Rohri	11
12.	Sukkur	08
13.	Jacobabad	05
C	Khyber Pakhtunkhwa	
14.	Balakot	23
15.	Ghalanai	22
16.	Tirah-Khyber	11
17.	Malam Jabba	07
18.	Takht Bai & Mardan	06 each
D	Balochistan	
19.	Turbat	41
20.	Lasbela	28
21.	Kalat	22
22.	Gawadar	07
23.	Pasni	05
E	A J & K	
24.	Kotli	19
25.	Palandri	13

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