



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 20, 2022

All main rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Flow Condition" and there is no riverine flood situation in the country. **Annexures-I** shows inflows/outflows of main rivers, reservoir storage position, besides Skardu Temperature at 0600 hours today. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Chashma & Mangla) is **4.384 MAF (32.57 % of 13.461 MAF)**.


2. According to FFD, Lahore, yesterday's **Monsoon Low** over central parts of Madhya Pradesh (India) has weakened and converted into trough whereas Seasonal Low continues to prevail over Northeastern Balochistan. At present, moderate moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet which is very likely to become further stronger during the next 24 hours.

3. Scattered thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** has been predicted by FFD, Lahore over **Islamabad** and **Rawalpindi** Division including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej, besides scattered to widespread thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy to Very Heavy Falls** over **Gujranwala & Lahore Divisions** of **Punjab** during the next 24 hours. For the same time span, scattered thunderstorm/rain of **Moderate Intensity** is expected over **Punjab (Sargodha, Faisalabad & Sahiwal Divisions)** and **Balochistan (Kalat Division)** alongwith upper catchment of river Indus. Further to above, isolated thunderstorm/rain may also occur over **rest of Punjab** and **Khyber-Pakhtunkhwa**. Very few rainfall events have been reported by FFD, Lahore over Punjab, Balochistan and AJ&K during past 24 hours. This may be seen at **Annexure-II**.

4. **Weather Outlook and Flood Forecast for next 24- 48 hours** Source: (FFD, Lahore)

Monsoon activity is likely to increase over upper half of Pakistan which may cause **Low to Medium Level Flooding** in the Hill Torrents of **D.G.Khan Division** after 24 hours and **Urban Flooding** in **Lahore & Gujranwala Divisions** during next 48 hours. All related organizations are required to remain vigilant to cater for any likely flooding during the forecasted period.

5. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis. All concerned are being kept fully abreast of the situation by FFD, Lahore.


(Ahmed Kamal)
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Tel: 051-9244604

Distribution:

1. Minister for Water Resources, Islamabad.
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 20. Chief Secretary, Government of the Punjab, Lahore.
 21. Chief Secretary, Government of Sindh, Karachi.
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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 20-07-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 20, 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	279,000	137,000	168,000	156,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	211,000	206,000	131,000	130,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	254,000	239,000	203,000	190,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	193,000	164,000	196,000	170,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	138,000	95,000	204,000	166,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	94,000	39,000	181,000	141,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	25,000	NIL	63,000	33,000	Normal	650,000
River Kabul									
• Warsak	540,000				38,000		25,000	Normal	200,000
• Nowshera		450,000	29-07-2010		61,000		52,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		19,000		10,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		16,000		10,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		14,000		10,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	74,000	12,000	30,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	10,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	96,000	62,000	61,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	52,000	45,000	29,000	23,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	53,000	33,000	28,000	6,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	7,000	49,000	34,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	21,000	6,000	27,000	17,000	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		25,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	5,000	34,000	8,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	19,000	3,000	21,000	12,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	25,000	18,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	1,000	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 (% 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	1456.11	1470.21	1499.00	5.827	1.952	3.146	53.99 %
Chashma	649.00	638.15	648.00	642.70	645.50	0.278	0.072	0.139	50.00 %
Mangla	1242.00	1050.00	1226.70	1170.20	1130.95	7.356	2.673	1.099	14.94 %
Total Live Storage						13.461	4.697	4.384	32.57 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	30.4 °C	36.6 °C	+ 6.2
Minimum	16.0 °C	19.2 °C	+ 3.2

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.	Narowal	16
2.	Kotnaina	12
3.	Islamabad	11
4.	Daulatnagar	10
5.	Sialkot	09
6.	Zafarwal	07
7.	Murree	05
B	Balochistan	
8.	Ziarat	23
9.	Pishin	16
10.	Mastung	06
C	AJ & K	
11.	Muzaffarabad	20
12.	Kotli	19
13.	Haraman	11

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