



**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  
SATURDAY, JULY 02, 2022**

At present all main rivers of the Indus River System are flowing with "Normal Discharges" (**Annexure-I**). Inflows at Tarbela Dam have increased (i.e. **191,000 cusecs today at 0600 Hours Vs 160,000 cusecs at same time yesterday**). This has resulted in good augmentation of filling in Tarbela Reservoir. As of today, Combined Live Storage of Tarbela, Mangla & Chashma reservoirs is **0.603 MAF (4.48 % of Total Live Storage Capacity of 13.461 MAF)**.


2. According to Flood Forecasting Division (FFD), Lahore, a fresh strong trough of Westerly Wave lies over Northwestern parts of Iran. Yesterday's trough of Westerly Wave over Northern parts of the country has moved and today lies over Kashmir & adjoining areas. Moderate moist currents from Arabian Sea are still penetrating into upper parts of the country up to 5000 feet whereas marked Seasonal Low lies over Northeastern Balochistan and its trough is extending towards Northwards.

3. As per FFD, Lahore, scattered thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** is expected over **Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & Faisalabad Divisions), South & Southeastern Sindh** and **Eastern Balochistan**, besides, over the upper catchments of all the major rivers during the next 24 hours. Further, isolated thunderstorm/rain may also occur over **Sahiwal, Bahawalpur & D.G.Khan Divisions of Punjab** during the same period. Current wet spell is likely to continue over the Country with same intensity during the next 48 hours. Few rainfall events occurred in the country during the past 24 hours (**Annexure-II**).

**Weather Outlook from 3<sup>rd</sup> to 9<sup>th</sup> July 2022**

4. FFD Lahore, has also predicted moderate rain with isolated **Heavy Falls** and one or two **Very Heavy Falls** over upper catchments of all the major rivers from **5<sup>th</sup> to 7<sup>th</sup> July, 2022**. As a result, flows in Rivers Indus, Kabul, Jhelum (Mangla upstream) & Chenab including local nullahs/ tributaries are likely to increase from **5<sup>th</sup> to 8<sup>th</sup> July, 2022**.

5. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant of the situation.

  
(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.

## **Distribution:**

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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.
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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 02-07-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad.

## Rivers and Reservoir Positions July 02, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	157,000	127,000	191,000	126,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	156,000	150,000	135,000	131,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	180,000	170,000	151,000	146,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	167,000	141,000	99,000	93,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	134,000	98,000	73,000	56,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	89,000	37,000	58,000	24,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	42,000	2,000	19,000	NIL	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				25,000		24,000	Normal	200,000
• Nowshera					36,000		40,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					15,000		14,000	Normal	150,000
• Munda( H. Works)					8,000		12,000	Normal	150,000
• Charsadda Road	150,000				6,000		12,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	44,000	36,000	43,000	11,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	34,000	12,000	27,000	5,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	67,000	34,000	77,000	56,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	25,000	17,000	60,000	53,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	38,000	18,000	66,000	44,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	23,000	7,000	24,000	7,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	10,000	NIL	7,000	NIL	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		2,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	5,000	19,000	NIL	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	NIL	12,000	NIL	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	10,000	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 (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	1461.99	1432.05	1412.80	5.827	0.696	0.184	03.16 %
Chashma	649.00	638.15	640.20	644.60	641.10	0.278	0.115	0.042	15.11 %
Mangla	1242.00	1050.00	1217.70	1153.15	1101.60	7.356	1.907	0.377	05.13 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>2.718</b>	<b>0.603</b>	<b>04.48 %</b>

## C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+/-)
Maximum	29.0 °C	37.6 °C	+ 8.6 °C
Minimum	14.4 °C	17.0 °C	+ 2.6 °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 &amp; NR stands for "Not Received"

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**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Bahawalnagar	20
2.	Haraman	11
3.	Narowal	10
<b>B</b>	<b>Sindh</b>	
4.	Mithi	05
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
5.	Buner	23
6.	Malam Jabba	13
7.	Cherat	10
8.	Balakot	06
<b>D</b>	<b>Balochistan</b>	
9.	Barkhan	13
<b>E</b>	<b>A J &amp; K</b>	
10.	Muzaffarabad	07

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