



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**  
**TUESDAY, JULY 26, 2022**

Heavy rainfall in the catchment areas of some of the main rivers of Indus River System has resulted in Mild Flood situation at some of their control structures. As may be seen from **Annexure-I, River Chenab** is flowing in **Medium Flood** at **Khanki** (downstream Marala) whereas **River Indus** is in **Low Flood** in **Chashma-Taunsa** and **Taunsa-Guddu** reaches. Also **River Kabul** at **Nowshera** (downstream Warsak) and **River Chenab** at **Qadirabad** (upstream Trimmu) are experiencing **Low Flood** at the reporting time today. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.324 MAF (39.55% of 13.461 MAF)**.

2. According to FFD, Lahore at present **Well Marked Low-Pressure Area** earlier over Southern Sindh has moved away in westwards direction towards Iran whereas Light to Moderate moist currents from both Arabian Sea & Bay of Bengal are penetrating into upper half of Pakistan upto 5000 feet. Seasonal Low (although weak) continues to prevail over Western Balochistan with trough of Westerly wave lies over Northeastern Iran.

3. For the ensuing 24 hours FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala & D.G. 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 time period. As a consequence there is a likelihood of **High to Very High Category Flash flooding** in the Hill Torrents of D.G. Khan Division and **Medium to High Level Flash flooding** in the Rivers/Nullahs of Eastern and Coastal Balochistan during the next 24 hours.

4. During the past 24 hours heavy rainfall has been experienced in Islamabad (100 mm), Punjab (D.G Khan= 91 mm, Mandi Bahauddin = 87 mm & Gujrat = 62 mm), Sindh (Karachi= 67 mm) and Balochistan (Lasbela=74 mm). Overall details may be seen at **Annexure-II** (Source: FFD, Lahore).

5. **Weather Outlook & Flood Forecast from 27<sup>th</sup> to 28<sup>th</sup> July 2022** (Source: FFD, Lahore):

Rainfall activity is likely to subdue further over lower half of the country after July 27, 2022. Scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** is expected over **Rawalpindi, Gujranwala & Lahore Divisions of Punjab** and **Islamabad** including upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej from **28<sup>th</sup> July 2022** which may result in **Medium to High Level Flooding** in rivers **Chenab (Marala, Khanki & Qadirabad)** and **Jhelum (Upstream Mangla)** besides nullahs/tributaries of rivers **Ravi & Chenab** after 48 hours.

6. **Precautionary Measures by all Concerned:**

All concerned authorities, especially PDMAs, DDMA's, 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.

7. 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)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

**Distribution:**

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

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11. Chairman, WAPDA, WAPDA House, Lahore.
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14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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21. Chief Secretary, Government of Sindh, Karachi.
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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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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 26-07-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad.

## Rivers and Reservoir Positions July 26, 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	179,000	116,000	249,000	165,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	167,000	160,000	188,000	185,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	201,000	180,000	258,000	250,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	180,000	159,000	259,000	254,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	186,000	143,000	274,000	269,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	133,000	77,000	191,000	169,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	35,000	1,000	95,000	95,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				24,000		38,000	Normal	200,000
• Nowshera		450,000	29-07-2010		36,000		72,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		13,000		17,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		11,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		11,000		13,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	64,000	10,000	34,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	9,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	87,000	54,000	104,000	95,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	52,000	45,000	161,000	155,000	Medium Flood (R)	400,000
• Qadirabad	900,000	948,530	11-9-1992	39,000	19,000	137,000	118,000	Low Flood (R)	400,000
• Trimmu	875,000	943,225	08-7-1959	41,000	25,000	94,000	87,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	38,000	22,000	32,000	27,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		11,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		26,000		10,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	11,000	43,000	25,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	28,000	12,000	22,000	21,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	17,000	12,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	12,000	12,000	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	1459.24	1494.24	1514.49	5.827	2.988	3.906	67.03 %
Chashma	649.00	638.15	648.10	647.70	640.50	0.278	0.223	0.032	11.51 %
Mangla	1242.00	1050.00	1228.90	1180.45	1139.60	7.356	3.198	1.386	18.84 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>6.409</b>	<b>5.324</b>	<b>39.55 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+/-)
Maximum	37.6 °C	29.6 °C	- 8.0
Minimum	18.4 °C	19.0 °C	+ 0.6

#### 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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**TUESDAY, JULY 26, 2022**  
**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Islamabad	100
2.	DG Khan	91
3.	Mandibahauddin	87
4.	Gujrat	62
5.	Kallar	59
6.	Multan	52
7.	Bahawalpur	34
8.	Chakwal	28
9.	Daulatnagar	26
10.	Kot Addu	24
11.	Layyah	21
12.	Bhakkar & Bhandu Wala	19 each
13.	Rahim Yar Khan	18
14.	Murree	17
15.	Mianwali	15
16.	Bahawalnagar	13
17.	Sialkot	12
18.	Mangla	11
19.	Kotnaina	09
20.	Jhelum & Khanpur	08 each
21.	Rohtas	07
<b>B</b>	<b>Sindh</b>	
22.	Karachi	67
23.	Rohri	49
24.	Dadu	39
25.	Jacobabad	32
26.	Sukkur	26
27.	Larkana	22
28.	Khairpur	16
29.	Padidan & Chhor	12 each
30.	Moin-Jo-Daro	11
31.	Shaheed Benazirabad	10
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
32.	Kakul	23
33.	Parachinar	20
34.	Balakot & Tirah-Khyber	19 each
35.	Takht Bai	13
36.	Malam Jabba	12
37.	D.I.Khan & Shinkiari	08 each
<b>D</b>	<b>Balochistan</b>	
38.	Lasbela	74
39.	Panjgur	31
40.	Khuzdar	26
41.	Kalat	19
42.	Jiwani	15
43.	Turbat	10
<b>E</b>	<b>A J &amp; K</b>	
44.	Palandri	65
45.	Rawalakot	12
46.	Bandi Abbaspur & Kotli	09 each
47.	Chattar Kallas	07

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