



Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Advisor/  
Chairman, Federal Flood Commission

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Fax No. 051-9244621 & www.ffc.gov.pk

FFC's  
DAILY WEATHER & FLOOD SITUATION REPORT  
THURSDAY, JULY 28, 2022

**River Indus** in **Guddu-Sukkur** reach and at **Chashma (upstream Taunsa)** while **River Chenab** at **Khanki** (downstream Marala) are flowing in “**Low Flood**” besides, **River Kabul** (a tributary of River Indus) also in “**Low Flood**” in **Warsak-Nowshera reach** at the reporting time. Other main rivers (Rivers **Jhelum, Ravi & Sutlej** including River Indus and Chenab at rest of the control points) are flowing in Normal Flow condition. **Annexure-I** may be seen for the latest on river inflows/ outflows, reservoir levels and storage etc. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **5.768 MAF (42.84% of 13.461 MAF)**.

2. At present trough of Westerly Wave lies over Northeastern Afghanistan and adjoining areas with weak Seasonal Low continues to prevail over Western Balochistan. Moist currents both from Arabian Sea & Bay of Bengal (Light to Moderate) are penetrating into upper half of Pakistan upto 5000 feet. (Source: FFD Lahore)

3. Scattered to widespread thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** are expected during the next 24 hours over **Islamabad, Rawalpindi, Sargodha, Gujranwala, Lahore, Sahiwal & D.G.Khan Divisions of Punjab, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa, Upper Sindh** and **Eastern Balochistan** including over the upper catchments of all the major rivers. Isolated thunderstorm/rain may also occur over the rest of the country during the same period. The forecasted weather system for the next 24 hours may cause **Low to Medium Category Flooding** in the Rivers/Nullahs of Balochistan and Hill Torrents of D.G.Khan Division. Except for Gilgit-Baltistan all the four provinces including AJ&K have experienced good rains during the past 24 hours (**Annexure-II** is referred).

4. The current wet spell is likely to continue during the next 48 hours that may result into **Medium to High Flood** in **River Chenab (Marala, Khanki & Qadirabad)** and as well as in **River Jhelum (Upstream Mangla)** including the tributaries/nullahs of rivers Chenab & Ravi. Scattered to widespread thunderstorm/rain of **Moderate Intensity** with **Isolated Heavy Falls** may also occur over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej from **29<sup>th</sup> July to 4<sup>th</sup> August 2022**. (Source: FFD, Lahore).

5. PDMA's, DDMA's, GBDMA, SDMA, the District Administrations (along Rivers Chenab & Jhelum) and Provincial Irrigation Departments besides other related departments are strictly advised to remain **Fully Alert & Vigilant**, take 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 informed.

  
(Ahmed Kamal)  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

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2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad

## **Distribution:**

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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 28-07-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad.

## Rivers and Reservoir Positions July 28, 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	273,000	142,000	293,000	214,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	171,000	163,000	164,000	161,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	214,000	201,000	262,000	254,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	172,000	151,000	250,000	245,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	161,000	118,000	313,000	292,000	Low Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	112,000	56,000	269,000	248,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	44,000	3,000	98,000	79,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				31,000		40,000	Low Flood (F)	200,000
• Nowshera		450,000	29-07-2010		48,000		67,000	Low Flood (R)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		20,000		17,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		13,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		9,000		15,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	45,000	11,000	30,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	10,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	107,000	74,000	95,000	80,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	79,000	73,000	126,000	120,000	Low Flood (R)	400,000
• Qadirabad	900,000	948,530	11-9-1992	81,000	61,000	86,000	67,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	27,000	11,000	100,000	92,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	44,000	28,000	75,000	73,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		15,000		9,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		36,000		5,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	39,000	10,000	36,000	18,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	28,000	12,000	23,000	22,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	13,000	6,000	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 (FL-AMSL)	Minimum Operating Level (FI-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	1460.74	1502.36	1521.00	5.827	3.363	4.235	72.68 %
Chashma	649.00	638.15	648.50	643.80	639.00	0.278	0.096	0.010	03.60 %
Mangla	1242.00	1050.00	1228.90	1183.60	1143.30	7.356	3.373	1.523	20.70 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>6.832</b>	<b>5.768</b>	<b>42.84 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference ( + / - )
Maximum	38.6 °C	32.6 °C	- 6.0 °C
Minimum	20.3 °C	17.3 °C	- 3.0 °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)

( 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)
<b>A</b>	<b>Punjab</b>	
1.	Khanpur	49
2.	Sialkot	34
3.	Gujranwala	32
4.	Mianwali	30
5.	Rahim Yar Khan	20
6.	Hafizabad	19
7.	Lahore, DG Khan, Narowal & Shakar Garh	17 each
8.	Haraman	14
9.	Islamabad	12
10.	Kamra	10
11.	Murree	09
12.	Layyah	08
13.	Shahdara	07
14.	Zafarwal	06
<b>B</b>	<b>Sindh</b>	
15.	Mithi	22
16.	Khairpur	17
17.	Jacobabad	15
18.	Karachi	13
19.	Badin	10
20.	Sukkur	08
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
21.	Shinkhari	88
22.	Kakul	69
23.	Besham & Peshawar	19 each
24.	Risalpur & Cherat	15 each
25.	Phulra	11
26.	Malam Jabba, Daggar & Tarbela	10 each
27.	Kohat & Kurrum Garhi	06 each
<b>D</b>	<b>Balochistan</b>	
28.	Chaman	23
29.	Quetta	13
30.	Pishin	11
31.	Dalbandin	06
<b>E</b>	<b>Gilgit-Baltistan</b>	
32.	Astore	07
<b>F</b>	<b>A J &amp; K</b>	
33.	Bandi Abbaspur	54
34.	Muzaffarabad	44
35.	Domel	42
36.	Kotli	23
37.	Chakothe	22
38.	Garhi Dopatta	11
39.	Rawalakot	08

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