



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

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FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**SUNDAY, JULY 30, 2023**

**Tarbela Reservoir** has attained water level of **1534.61 feet (15.39 feet below against its Maximum Conservation Level (MCL) of 1550 feet)** whereas **Mangla Reservoir** is at an elevation of **1227.00 feet (15.00 feet below its MCL of 1242.00 feet)**. *In view of higher water levels, Tarbela Dam Management and Flood Mitigation Committee (FMC) of Mangla Dam are advised to remain vigilant and ensure filling of reservoirs as per approved SOPs and dam safety guidelines.*

2. Presently, **River Indus** is experiencing **Medium Flood** in **Guddu-Sukkur Reach** with rising trend whereas it is in **Low Flood** situation at four locations (**Tarbela-Kalabagh-Chashma-Taunsa**). **Rivers Sutlej at Head Suleimanki, Ravi in Balloki-Sidhnai Reach and Kabul at Nowshera** are flowing in **Low Flood**. **Rivers Jhelum and Chenab** are discharging **Normal flows**. **Annexure-I** demonstrates overall rivers' flows situation.

3. According to FFD, Lahore, yesterday's trough of **Westerly Wave** over **Northern parts** of Pakistan today lies over Kashmir and adjoining areas. **Seasonal Low** today lies over **North-western Balochistan**. Mild moist currents from **Arabian Sea** are penetrating into upper parts of the country upto 5,000 feet.

4. For the next 24 hours, FFD, Lahore has forecasted **Scattered Wind Thunderstorm/ Rain** of **Light to Moderate Intensity** over **Islamabad, Punjab (Rawalpindi, Multan, D.G. Khan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** and **Balochistan (Zhob, Sibbi, Nasirabad & Kalat Divisions)** including the upper catchments of all the major rivers. **Isolated Wind Thunderstorm/ Rain** of **Light to Moderate Intensity** is also expected over **Gujranwala, Sargodha, Lahore, Faisalabad & Sahiwal Divisions** including the **upper Sindh** during the same period.


5. Very Heavy rainfall has been experienced in **Lahore = 156 mm** during the past 24 hours. Details of appreciable rainfall events occurred during the last 24 hours have been indicated at **Annexure-II**.

6. **Flood Forecast-Next 24-48 Hours:**

As per PMD, the prevailing weather situation may result into **Moderate Flash Flooding** in the **Hill Torrents of D.G. Khan Division** and nullahs of **Sibbi & Nasirabad Divisions** during the next **24 hours**.

7. All concerned organizations especially the dam management organizations (Tarbela on Indus, Mangla on Jhelum) are advised to remain **Alert & Vigilant**, take prompt actions on warnings issued, avoid synchronization of flows from Indus & Punjnad at Guddu to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage, flood protection & river training infrastructure etc.

8. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) through FFD, Lahore and is keeping all concerned organizations fully cognizant of the situation.

  
( Ahmed Kamal )  
Chief Engineering Adviser/  
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.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
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30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
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)/2023, dated 30-07-2023**

## Rivers and Reservoir Positions July 30, 2023 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	323,000	262,000	284,000	257,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	241,000	238,000	323,000	315,000	Low Flood (S)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	336,000	328,000	356,000	352,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	274,000	269,000	368,000	368,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	291,000	268,000	467,000	450,000	Med Flood (R)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	275,000	241,000	391,000	360,000	Med Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	118,000	91,000	144,000	109,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				48,000		34,000	Normal	200,000
• Nowshera					101,000		73,000	Low Flood (S)	200,000
<b>River Swat</b>									
• Chakdara Bridge					21,000		14,000	Normal	150,000
• Munda (H. Works)					23,000		20,000	Normal	150,000
• Charsadda Road	150,000				26,000		19,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	55,000	12,000	75,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	11,000	NIL	8,000	5,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	98,000	83,000	96,000	79,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	97,000	90,000	85,000	78,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	107,000	88,000	83,000	73,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	94,000	86,000	87,000	78,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	102,000	99,000	104,000	94,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		21,000		42,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		34,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	33,000	15,000	74,000	59,000	Low Flood (R)	135,000
• Sidhnaï	150,000	330,210	02-10-1988	24,000	23,000	45,000	34,000	Low Flood (R)	90,000
<b>River Sutlej</b>									
• G.S. Wala						Gauge 19.20	58,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	12,000	7,000	72,000	72,000	Low Flood (F)	175,000
• Islam	332,000	492,581	11-10-1955	9,000	9,000	46,000	46,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1512.36	1527.00	1534.61	5.809	4.550	4.938	85.01 %
Chashma	649.00	638.15	639.50	639.00	638.50	0.278	0.010	0.004	01.44 %
Mangla	1242.00	1050.00	1187.60	1149.30	1227.00	7.356	1.748	6.196	84.23 %
<b>Total Live Storage</b>						<b>13.443</b>	6.308	11.138	82.85 %

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / - )
Maximum	32.6 °C	21.6 °C	- 11.0 °C
Minimum	17.6 °C	13.5 °C	- 4.1 °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: (applied on downstream discharge/Outflow)

\* (R) Signifies "Rising" Flood, ( F ) Signifies "Falling" Flood, ( S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

\* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

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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.	Lahore	[Gulshan e Ravi-156, Shahi Qilla-147, Qurtba chock-109, Township -107, Luckshami-101, Johar Town-96, Taj Pura-82. Iqbal Town-60, Samanabad & Upper Mall-44(each), Mughal Pura 12, Gulburg-35, Jail Road-34, Shahdara 27, Misri Shah-24, Airport-14]
2.	Khanewal	64
3.	Hafizabad	52
4.	Gojra	40
5.	Khanpur	28
6.	Faisalabad	22
7.	Sahiwal & Kasur	20 (each)
8.	Bahawalnagar	19
9.	Multan	10
10.	Jhang	08
11.	Okara , Ravi Syphon, Gujranwala & Gujrat	05 (each)
<b>B</b>	<b>Sindh</b>	
12.	Jacobabad	25
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
13.	Bannu	14
14.	Tirah-Khyber	05
<b>D</b>	<b>Balochistan</b>	
15.	Jiwani	05
<b>E</b>	<b>Gilgit Baltistan</b>	
16.	Astore	08

Source: FFD, Lahore: 042-99200139