



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

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY, JULY 14, 2022**

All main rivers are flowing with Normal Flow Condition except for River Indus at Chashma where it is in Low Flood since **1200 hours of 13th July 2022**. Owing to healthy inflows upstream Tarbela in Indus River overall combined storage has risen to **29.33 % (Annexure-I is referred)**.

2. According to FFD, Lahore, yesterday's **Well Marked Monsoon Low** over central parts of Orissa (India) is remained stationary and its trough is extending up to Rajasthan (India). A fresh trough of Westerly Wave lies over Northeastern Afghanistan with Seasonal Low continues to persist over Northeastern Balochistan. Moderate moist currents from Bay of Bengal are penetrating into upper parts of the country up to 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** over **Punjab (Lahore, Multan, Bahawalpur & D.G. Khan Divisions)** and **Balochistan (Kalat Division & Northeast Balochistan)**. For the same time span, scattered thunderstorm/rain of **Moderate Intensity** may also occur over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Faisalabad & Sahiwal Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions), Sindh and rest of Balochistan** including the upper catchments of all the major rivers of the Indus River System. Rivers Ravi and Chenab Nullahs may experience **Low to Medium Level flooding** as a consequence. Punjab province in particular has experienced good rains during the past 24 hours (**Annexure-II**, Source: FFD, Lahore).

4. **Next 72 hours: Weather Outlook & Flood Forecast:**

Widespread thunderstorm/ rain with scattered **Heavy Falls** and isolated **Very Heavy Falls** is expected over **Punjab (D.G. Khan Division), Sindh and Balochistan**. This may cause **Medium to High Level flooding** in the hill torrents of D.G. Khan Division, besides in the Rivers/ Nullahs of Balochistan between **14th-17th July 2022**. There is a likelihood of **Urban flooding** in Sindh during the same period. (Source: FFD, Lahore)

5. All concerned authorities are advised to remain **ALERT**, monitor the weather and flood situation (in particular urban) constantly and ensure fool proof precautionary measures so that loss of precious human lives and damage to public & private properties is avoided.

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


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

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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, Ministry of Climate Change, Islamabad.
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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 14-07-2022

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PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 14, 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	235,000	95,000	200,000	95,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	188,000	180,000	191,000	183,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	205,000	196,000	273,000	263,000	Low Flood (S)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	162,000	144,000	203,000	177,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	113,000	81,000	169,000	134,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	107,000	67,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	27,000	NIL	20,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				37,000		34,000	Normal	200,000
• Nowshera		450,000	29-07-2010		64,000		59,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		18,000		18,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		16,000		13,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		13,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	64,000	10,000	30,000	12,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	15,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	88,000	54,000	71,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	77,000	69,000	51,000	45,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	85,000	65,000	50,000	28,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	34,000	18,000	57,000	42,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	27,000	16,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		11,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		36,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	40,000	11,000	32,000	6,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	1,000	16,000	4,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	14,000	4,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	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	1459.15	1450.44	1489.82	5.827	1.159	2.729	46.83 %
Chashma	649.00	638.15	645.80	645.50	649.00	0.278	0.139	0.278	100 %
Mangla	1242.00	1050.00	1225.25	1161.00	1125.55	7.356	2.242	0.941	12.79 %
Total Live Storage						13.461	3.540	3.948	29.33 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	21.1 °C	23.3 °C	+ 2.2
Minimum	15.1 °C	14.6 °C	- 0.5

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.	Mangla	169
2.	Jhelum	111
3.	Chakwal	105
4.	Kallar	98
5.	Islamabad	97
6.	Gujranwala	93
7.	Attock	84
8.	Hafizabad	75
9.	Mandibahauddin	62
10.	T.T. Singh	55
11.	Haraman	51
12.	Kamra	40
13.	Sialkot	39
14.	Gujrat	37
15.	Lahore	36
16.	Bahawalpur	28
17.	Sargodha	26
18.	Sahiwal	23
19.	Murree	20
20.	Okara	16
21.	Joharabad	15
22.	Jhang	14
23.	DG Khan	12
B	Khyber Pakhtunkhwa	
24.	Kakul	38
25.	Tirah-Khyber	31
26.	Cherat	25
27.	Kohat	24
28.	Parachinar	19
29.	Shinkiari & Saidu Sharif	18 each
30.	Dir	17
31.	Balakot	16
32.	Buner	15
33.	Tarbela & Malam Jabba	13 each
34.	Kalam	12
35.	Risalpur & Pattan	10 each
C	Balochistan	
36.	Zhob	10
D	AJ&K	
37.	Bandi Abbaspur	23
38.	Rawalakot	20
39.	Chakothi & Kotli	16 each
40.	Hajira & Muzaffarabad	14 each
41.	Garhi Dopatta	13
42.	Chattar Kallas	13

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