



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
FRIDAY, JULY 15, 2022

River Indus at Chashma and River Kabul at Nowshera are presently flowing in **Low Flood**. Rest of the main rivers (Jhelum, Chenab, Ravi & Sutlej) including River Indus at remaining control structures and River Kabul at Warsak are flowing with "Normal Flow Condition". For inflows/outflows of main rivers at important control structures, major reservoir storage position and Skardu Temperature at 0600 hours today, **Annexure-I** is referred. Today's Combined Live Storage of three main reservoirs is **30.88 %** of total (**13.461 MAF**) compared to last year's **28.48%**.

2. Yesterday's **Well Marked Monsoon Low** over central parts of Orissa (India) has weakened, converted into a Low and is remained stationary, while another **Low-Pressure Area** has developed over the Northeastern Arabian Sea and adjoining Gujarat (India). At the reporting time, Moderate to Strong moist currents from Bay of Bengal were penetrating into most parts of Pakistan upto 7000 feet. With regard to other weather systems, at present Trough of Westerly Wave (earlier over Northeastern Afghanistan) lies over Northern parts of Pakistan whereas Arabian Sea Seasonal Low (although weak) over Western Balochistan (Source: FFD, Lahore).

Next 24 hours: Rain/Flood Prediction and likely impact:

3. Scattered to widespread thunderstorm/rain of **Moderate to Heavy Intensity** with isolated **Very Heavy Falls** is expected over **Sindh** and **Balochistan** including **Bahawalpur & D.G. Khan Divisions** of **Punjab**. Scattered thunderstorm/rain of **Moderate Intensity** may also occur over **Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad & Sahiwal Divisions** of **Punjab** and **Peshawar Kohat, Bannu & D.I. Khan Divisions** of **Khyber Pakhtunkhwa** including upper catchments of all the major rivers of Indus River System. Nullahs of Rivers Ravi and Chenab may experience **Low to Medium Category Flooding**.

Next 48 hours: Weather Outlook & Flood Forecast:

4. The on-going wet spell is likely to persist over the country upto **17th July 2022**. This may result into **Medium to High Category Flooding** in the Hill Torrents of **D.G. Khan Division (Punjab)** and in the Rivers/Nullahs of **Balochistan**, besides **Urban Flooding in Sindh** (between **15th to 17th July 2022**).

5. During the past 24 hours all the four provinces besides Gilgit-Baltistan and AJ&K received rains (**Annexure-II** is referred).

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

7. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather system on Round-the-Clock basis. All concerned are being kept fully abreast of the situation by 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.
3. Minister for Climate Change, Islamabad.

Distribution:

4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
 5. Secretary, Ministry of Water Resources, Islamabad.
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 9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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 11. Chairman, WAPDA, WAPDA House, Lahore.
 12. Chief Executive Officer, Pakistan Railways, Lahore.
 13. Chairman, Indus River System Authority, Islamabad.
 14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
 15. Chairman, National Highway Authority, Islamabad.
 16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
 17. Director General, Pakistan Meteorological Department, Islamabad.
 18. Member (Water), WAPDA, WAPDA House, Lahore.
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 20. Chief Secretary, Government of the Punjab, Lahore.
 21. Chief Secretary, Government of Sindh, Karachi.
 22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
 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 15-07-2022**

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PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 15, 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	225,000	148,000	206,000	103,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	168,000	160,000	152,000	150,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	201,000	193,000	264,000	251,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	177,000	157,000	212,000	191,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	113,000	81,000	185,000	165,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	129,000	96,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	26,000	NIL	20,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				34,000		33,000	Normal	200,000
• Nowshera		450,000	29-07-2010		61,000		65,000	Low Flood (R)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		15,000		16,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		13,000		15,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		11,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	8,000	31,000	13,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	17,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	68,000	34,000	69,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	42,000	5,000	47,000	41,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	44,000	24,000	57,000	35,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	38,000	22,000	41,000	26,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	28,000	23,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		8,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	46,000	17,000	34,000	10,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	14,000	NIL	16,000	4,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	15,000	7,000	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	1458.07	1454.65	1493.70	5.827	1.325	2.905	49.85 %
Chashma	649.00	638.15	646.20	646.90	649.00	0.278	0.183	0.278	100 %
Mangla	1242.00	1050.00	1225.45	1162.80	1126.70	7.356	2.326	0.974	13.24 %
Total Live Storage						13.461	3.834	4.157	30.88 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	23.0 °C	21.8 °C	- 1.2
Minimum	15.4 °C	12.2 °C	- 3.2

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.	GS Wala	139
2.	Lahore	120
3.	Kasur & Bahawalnagar	80 each
4.	Gujranwala	66
5.	Ravi Syphon	65
6.	Khanpur	46
7.	Hafizabad & Gujrat	39 each
8.	Sialkot	31
9.	D.G. Khan	28
10.	Sargodha & Sharqpur	23 each
11.	Narowal	22
12.	Daulatnagar	19
13.	Bhandu Wala	16
14.	Chakwal & Mandibahauddin	08 each
15.	Rahim Yar Khan & Mangla	07 each
16.	Jhelum & Joharabad	06 each
B	Sindh	
17.	Chhor	88
18.	Badin	22
19.	Rohri	19
20.	Shaheed Benazirabad	14
21.	Karachi	08
22.	Thatta, Khairpur & Sukkur	06 each
23.	Mirpur Khas	05
C	Khyber Pakhtunkhwa	
24.	Dir	26
25.	Malam Jabba	24
26.	Kalam	11
27.	Tirah-Khyber	09
28.	Shinkiari	07
D	Balochistan	
29.	Sibbi	81
30.	Lasbela	14
31.	Khuzdar & Muslim Bagh	05 each
E	Gilgit-Baltistan	
32.	Bagrote	13
F	AJ&K	
33.	Palandri	13

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