



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

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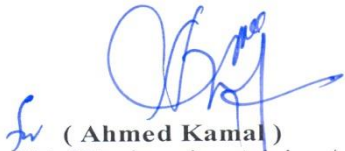
FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SUNDAY, JULY 10, 2022

All major rivers (**Indus, Jhelum, Chenab, Ravi & Sutlej**) are flowing Normal except for **River Kabul**, which continues to flow in 'Low Flood in "Warsak- Nowshera Reach". Actual river inflows/ outflows, reservoir elevations, live storage and today's temperature at Skardu may be seen at **Annexure-I**. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **2.817 MAF (20.93 % of Total Live Storage Capacity of 13.461 MAF)**.

2. According to Flood Forecasting Division (FFD), Lahore, yesterday's trough of Westerly Wave continues to prevail over Northern parts of the country. A Monsoon Low has developed, which at present lies over central parts of Orissa (India). Moist currents from Arabian Sea are penetrating into upper parts of the country upto 3,000 feet and from Bay of Bengal upto 5,000 feet, with Seasonal Low persisting over Northeastern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore, has predicted **scattered** thunderstorm/ rain of **moderate intensity** with **Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad, Sahiwal, D.G. Khan, Multan & Bahawalpur Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)**, besides over upper catchments of all the Major Rivers including **South & Southeastern Sindh** and **Balochistan**. Isolated thunderstorm/ rain may also occur over rest of Pakistan during the same period. As a consequence, **Low to Medium** level flows are expected in Hill Torrents of D.G. Khan Division during the forecasted period. Current Wet spell with the same intensity is likely to continue for further 24 hours. Some of the mentionable rainfall events as reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to further movement, intensity and impact of **Monsoon Low (presently lying over Orissa, India)** over Pakistan and all concerned are being kept fully abreast of the situation through FFD, Lahore.


(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission
Tel: 051-9244604

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.
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6. Secretary, Ministry of Climate Change, Islamabad.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
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9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
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15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.

Distribution:

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.
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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 10-07-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 10, 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	162,000	151,000	274,000	201,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	167,000	161,000	184,000	177,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	170,000	160,000	218,000	211,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	158,000	140,000	197,000	177,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	120,000	86,000	121,000	89,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	79,000	31,000	73,000	33,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	32,000	1,000	21,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				30,000		48,000	L.F (R)	200,000
• Nowshera		450,000	29-07-2010		36,000		71,000	L.F (R)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010				20,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010				12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010				15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	40,000	30,000	32,000	17,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	38,000	16,000	11,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	68,000	34,000	87,000	61,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	30,000	22,000	74,000	67,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	39,000	19,000	72,000	50,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	26,000	9,000	50,000	33,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	12,000	NIL	14,000	4,000	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		28,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	5,000	31,000	5,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	NIL	15,000	5,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	14,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	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	1460.86	1437.20	1471.24	5.827	0.821	1.934	33.19 %
Chashma	649.00	638.15	645.60	643.00	644.70	0.278	0.078	0.118	42.44 %
Mangla	1242.00	1050.00	1223.50	1154.40	1120.70	7.356	1.959	0.765	10.40 %
Total Live Storage						13.461	2.858	2.817	20.93 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	35.7 °C	35.0 °C	-0.7
Minimum	13.1 °C	19.3 °C	+6.2

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.	Islamabad	20
2.	Mandibahauddin	75
3.	Gujrat	67
4.	Chakwal & Kallar	46 each
5.	Rahim Yar Khan & Bhandu Wala	34 each
6.	Sargodha	Airbase = 28, City = 26
7.	Jhelum	26
8.	Hafizabad	25
9.	Murree	23
10.	D.G. Khan	21
11.	Daulatnagar	20
12.	Gujranwala & Vehova	19 each
13.	Sialkot	16
14.	Ganda Singh Wala	14
15.	Sahiwal	13
16.	Fort Munro	11
B	Sindh	
17.	Karachi	Masroor = 59, DHA = 38 & Kemari = 13
18.	Padidan	55
19.	Khanpur	37
20.	Hyderabad	34
21.	Badin	30
22.	Sanghar	21
23.	Khairpur	11
C	Khyber Pakhtunkhwa	
24.	Buner	18
25.	Oghi, Tarbela & Bannu	15 each
26.	Khaar-Bajaur	11 each
27.	Lower Dir & Parachinar	10 each
28.	Balakot	10
D	Balochistan	
29.	Panjgur	15
30.	Quetta	10
E	AJ&K	
31.	Kotli	67
32.	Garhi Dopatta & Haraman	16 each
33.	Bandi Abbaspur	14
34.	Mangla	11

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