



**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
MONDAY, JULY 04, 2022**

Owing to increased temperature at Skardu during the last one week or so enhanced inflows upstream Tarbela are being experienced. Appreciable increase in **Tarbela** reservoir storage is thus witnessed (Present storage **0.534 MAF** compared to **0.010 MAF** on June 30, 2022 and present level of **1428.82 Feet** compared to **1399.48 Feet** on June 30, 2022). **Annexure-I** shows inflows/outflows of main rivers alongwith storage position of major reservoirs of the country at 0600 hours today besides, Skardu Temperature. Present Combined Live Storage of three major reservoirs has now increased to **1.062 MAF** compared to **0.351 MAF** on June 30, 2022.

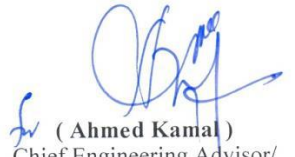
2. According to Flood Forecasting Division (FFD), Lahore, a **Monsoon Low** has developed over North Orissa (India) with moderate moist currents from Bay of Bengal are penetrating in the upper parts of Pakistan up to 3000 feet. Trough of Westerly Wave earlier over Northern parts of Iran today prevails over Northern parts of Afghanistan with Seasonal low continues to persist over Northwestern Balochistan.

3. For the ensuing 24 hours, FFD, Lahore, has predicted scattered thunderstorm/rain of **Moderate Intensity** over **Punjab (Rawalpindi & Gujranwala Divisions)** and **Eastern Balochistan** including upper catchments of all the major rivers of Indus River System. Isolated thunderstorm/rain may also occur over **Sargodha, Lahore, Multan, D.G. Khan & Bahawalpur Divisions of Punjab, Southern & Southeastern Sindh** and **D.I. Khan Division of KP Province** during the same period. Significant rainfall events reported by FFD Lahore during the past 24 hours may be seen at **Annexure-II**.

Weather Outlook for next 48 hours:

4. As per FFD, Lahore, **moderate** rain with **isolated Heavy Falls** is expected over **Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore & D.G. Khan Divisions), KP (Peshawar Division)** and **Balochistan** including upper catchments of all the **major rivers**, besides, **Light to Moderate** rain over rest of the Punjab & Khyber Pakhtunkhwa from **5th to 7th July, 2022**. Under the influence of prevailing meteorological conditions, **Low to Medium** level flows are expected in rivers Indus, Kabul, Chenab & Jhelum (**Mangla upstream**) along with their associated tributaries/Nullahs & Hill Torrents of D.G. Khan Divisions from **5th to 8th July 2022**.

5. Pakistan Meteorological Department (PMD), Islamabad is monitoring the prevailing weather system with regards to further movement and intensity of **Monsoon Low** (presently lies over India) over Pakistan and is keeping all concerned fully informed through its central Flood Forecasting Division (FFD) in 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.
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.
7. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
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.
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.
19. Member (Infrastructure), Planning Commission, Islamabad.
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.
26. Chief Commissioner, ICT, Islamabad.
27. Chairman, Capital Development Authority, Islamabad.
28. Commissioner, Rawalpindi.
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 04-07-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 04, 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	140,000	132,000	252,000	83,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	168,000	162,000	142,000	138,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	181,000	173,000	159,000	155,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	161,000	142,000	109,000	102,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	117,000	86,000	75,000	58,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	86,000	35,000	54,000	22,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	39,000	1,000	22,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000	159,000	06-2005		27,000		34,000	Normal	200,000
• Nowshera		450,000	29-07-2010		36,000		48,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		13,000		11,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		8,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		6,000		12,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	43,000	24,000	32,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	5,000	13,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	51,000	17,000	89,000	66,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	27,000	20,000	72,000	65,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	46,000	26,000	66,000	44,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	28,000	11,000	44,000	26,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	9,000	NIL	4,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		26,000		8,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	6,000	23,000	2,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	NIL	13,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	14,000	2,000	11,000	NIL	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	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	1460.66	1435.59	1428.82	5.827	0.782	0.534	09.16 %
Chashma	649.00	638.15	642.20	641.80	641.80	0.278	0.054	0.054	19.42 %
Mangla	1242.00	1050.00	1219.25	1154.45	1107.75	7.356	1.962	0.474	06.44 %
Total Live Storage						13.461	2.798	1.062	07.89 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	24.4 °C	37.6 °C	+ 13.2 °C
Minimum	13.5 °C	17.7 °C	+ 4.2 °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)

(↑) 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.	Murree	08
B	Sindh	
2.	Jacobabad	16
3.	Mithi	06
C	Khyber Pakhtunkhwa	
4.	Balakot	40
5.	Mardan	09
D	Balochistan	
6.	Panjgur	22
7.	Ormara & Lasbela	09 each
8.	Ziarat	08
9.	Loralai	06
10.	Kalat	05
E	A J & K	
11.	Haraman	69
12.	Muzaffarabad	24
13.	Garhi Dopatta, Chattar Kallas & Rawalakot	15 each

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