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
SUNDAY, JULY 03, 2022

Presently, all main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing in Normal Flow conditions. **Annexure-I** depicts inflows/outflows of main rivers alongwith storage position of Tarbela, Chashma & Mangla reservoirs at 0600 hours today besides, Skardu Temperature. Today's Combined Live Storage of country's three major reservoirs (Tarbela, Mangla & Chashma) is **0.821 MAF** which is **6.10 % of 13.461 MAF** (Total existing Live Storage Capacity).

2. As reported by Flood Forecasting Division (FFD), Lahore, moderate moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country up to 5,000 feet whereas Seasonal Low lies over Northwestern Balochistan. Yesterday's trough of Westerly Wave over Northwestern Iran today lies over Northern parts of Iran, while trough of Westerly Wave earlier over Kashmir has moved away Eastwards.

3. For the ensuing 24 hours, FFD, Lahore, has predicted scattered thunderstorm/rain of **Moderate Intensity** over **Punjab** (**Rawalpindi & Gujranwala Divisions**), **South & Southeastern Sindh** and **Eastern Balochistan**, including upper catchments of all the major rivers. Isolated thunderstorm/rain may also occur over **Sargodha, Lahore, Multan, D.G. Khan & Bahawalpur Divisions of Punjab** and **Khyber Pakhtunkhwa (D.I. Khan Division)** during the same period. No significant rainfall event has been reported by FFD, Lahore, during past 24 hours except for Haraman=33 mm, D.G. Khan =16 mm & Muzaffarabad= 07 mm.

Weather Outlook from 4th to 10th July 2022

4. According to FFD Lahore, Moderate rain with isolated **Heavy Falls** is expected over upper catchments of all the major rivers from **5th to 7th July, 2022.** As a consequence, flows in Rivers Indus, Kabul, Jhelum (Mangla upstream) & Chenab including local nullahs/ tributaries are likely to increase from **5th to 8th July, 2022**.

5. Pakistan Meteorological Department (PMD), Islamabad is monitoring the prevailing weather system on Round-the-Clock basis and is keeping all concerned informed through its central Flood Forecasting Division in Lahore.

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

Distribution:

1. Minister for Water Resources, Islamabad.
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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 03-07-2022

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ANNEXURE-I

Rivers and Reservoir Positions
July 03, 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	158,000	132,000	227,000	137,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	165,000	159,000	140,000	136,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	184,000	176,000	175,000	171,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	157,000	138,000	103,000	97,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	129,000	94,000	75,000	58,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	89,000	37,000	55,000	23,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	41,000	1,000	21,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000	159,000	06-2005		27,000		29,000	Normal	200,000
• Nowshera		450,000	29-07-2010		40,000		44,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		15,000		12,000	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		9,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	43,000	18,000	42,000	15,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	30,000	8,000	13,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	59,000	26,000	71,000	49,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	27,000	20,000	59,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	43,000	23,000	61,000	39,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	27,000	10,000	34,000	16,000	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		5,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		26,000		4,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	34,000	5,000	19,000	NIL	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	10,000	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	1461.13	1434.06	**1420.82**	5.827	0.745	*0.348*	*5.97 %*
Chashma	**649.00**	638.15	640.90	643.30	**641.40**	0.278	0.085	*0.047*	*16.91 %*
Mangla	**1242.00**	1050.00	1218.55	1153.80	**1104.70**	7.356	1.934	*0.426*	*5.79 %*
					Total Live Storage	**13.461**	**2.764**	*0.821*	*6.10 %*

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	**26.2 °C**	**38.2 °C**	**+ 12.0 °C**
Minimum	**12.2 °C**	**17.4 °C**	**+ 5.2 °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"