



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

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FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
SUNDAY, JULY 02, 2023

Except for **River Kabul**, which continues to flow in **Low Flood** (Falling) at Nowshera, all other major rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing Normal. The existing Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **7.135 MAF** i.e. **53.08 %** of **13.443 MAF** (Total Combined Live Storage, **Annexure-I**). It was only **4.49 %** last year.

2. According to Flood Forecasting Division (FFD) Lahore, trough of Westerly Wave earlier over Kashmir and adjoining areas has moved away eastwards, whereas Seasonal Low continues to prevail over Northwestern Balochistan. Mild Moist Currents from Arabian Sea are penetrating into upper parts of the country up to 3000 feet.

3. For the next 24 hours mainly dry weather has been predicted by FFD, Lahore over most parts of the country. However, thunderstorm/rain of **Light to Moderate Intensity** at **isolated places** is expected over **Islamabad, Punjab, Khyber Pakhtunkhwa, Balochistan** (Kalat Division) and over the upper catchments of all the major rivers during the same period. No Significant rainfall event has been reported by FFD, Lahore during the past 24 hours except for Toba Tek Singh = 31 mm, Jhang = 12 mm and Khanpur = 10 mm.

4. **Weather Outlook for rivers catchments for next one week (upto July 09, 2023):**

A fresh rain bearing system of Moderate to Heavy Intensity is likely to affect the upper catchments of all the major Rivers along with Suleiman range, from 5th July 2023. As a consequence, **flash flooding** in the **Hill Torrents of D.G. Khan Division** and **local nullahs of Northern Balochistan** including small rivers in **Khyber Pakhtunkhwa** (Bannu, Kohat and D.I. Khan Divisions) is expected.

5. PMD Islamabad through FFD, Lahore is monitoring the present weather system and is keeping all concerned fully cognizant of the situation.


(Ahmed Kamal)
Chief Engineering Adviser/
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, Planning, Development & Special Initiatives Division, Islamabad.

Distribution:

7. Secretary, Ministry of Climate Change, 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)/2023, dated 02-07-2023

Rivers and Reservoir Positions July 02, 2023 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	191,000	126,000	211,000	119,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	135,000	131,000	144,000	136,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	151,000	146,000	216,000	213,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	99,000	93,000	234,000	212,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	73,000	56,000	164,000	128,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	58,000	24,000	116,000	62,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	19,000	NIL	27,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				24,000		39,000	Normal	200,000
• Nowshera					40,000		62,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge					14,000		14,000	Normal	150,000
• Munda(H. Works)					12,000		16,000	Normal	150,000
• Charsadda Road	150,000				12,000		15,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	43,000	11,000	62,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	27,000	5,000	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	77,000	56,000	70,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	60,000	53,000	51,000	44,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	55,000	33,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	24,000	7,000	43,000	27,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	7,000	NIL	22,000	8,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		2,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	19,000	NIL	38,000	10,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	12,000	NIL	20,000	6,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	10,000	NIL	17,000	5,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	3,000	2,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1432.05	1412.80	1511.27	5.809	0.184	3.712	63.90 %
Chashma	649.00	638.15	644.60	641.10	647.60	0.278	0.042	0.211	75.90 %
Mangla	1242.00	1050.00	1153.15	1101.60	1180.70	7.356	0.377	3.212	43.67 %
Total Live Storage						13.443	0.603	7.135	53.08 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	37.6 °C	26.3 °C	- 11.3 °C
Minimum	17.0 °C	11.4 °C	- 5.6 °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: (applied on downstream discharge/Outflow)

*(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.