



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
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
MONDAY, JULY 24, 2023

Rivers Indus, Kabul, Ravi and Sutlej are presently discharging **Low Flood** in **Tarbela-Kalabagh, Kalabagh-Chashma, Chashma-Taunsa reaches (Indus), at Warsak (Kabul), at Balloki (Ravi)** and at **Suleimanki (Sutlej)**. Also **River Kabul** is in **Medium Flood** at **Nowshera**.

2. Major River's discharges (inflows/ outflows) at important control structures (Dams, Barrages/ Headworks etc.) alongwith water levels and storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure-I**. Present Combined Live Storage of major reservoirs is **10.110 MAF** i.e. **75.21%** of the total storage capacity of **13.443 MAF**. This was just **4.906 MAF** last year on the same date.

3. **Monsoon Low** earlier over Southwest Madhya Pradesh (India) & adjoining Rajasthan (India) has weakened into trough with Seasonal Low prevailing over Northern Balochistan. These two weather systems are bringing **Moderate to Strong moist currents** which are penetrating into lower half of Pakistan up to 5000 feet.

4. **Next 24 Hours Weather Forecast:**

- **Scattered to Widespread Wind Thunderstorm/Rain of Moderate to Heavy Intensity with Isolated Very Heavy Falls over Punjab (D.G. Khan Division), Khyber Pakhtunkhwa (D.I. Khan, Bannu & Kohat Divisions), Southern & Southeastern Sindh and Balochistan (Zhob, Loralai, Kalat, Sibbi, Makran & Nasirabad Divisions).**
- **Scattered Thunderstorm Rain of Moderate Intensity with Isolated Heavy Falls over Islamabad Rawalpindi, Peshawar and upper Sindh including upper catchments of all the major rivers of IRS.**
- **Isolated Thunderstorm/ Rain of Light to Moderate Intensity over rest of Punjab.**

5. During the preceding 24 hours, appreciable amount of rainfall activity has been experienced all over the country. For details **Annexure-II** is referred.

6. **Next 48 Hours and Extended Period Forecast:**

Rainfall activity is likely to subside slightly over most parts of Pakistan during the next 48 hours, however during the same period, **Flash Flooding of Moderate to Heavy Intensity** is expected in the **nullahs of Balochistan (Loralai, Kalat, Sibbi, Makran & Nasirabad Divisions)** including the **Hill Torrents of D.G. Khan Division**.

7. For the extended period (**25th to 31st July 2023**), current monsoon activity over the upper catchments of all the major rivers may subside upto **26th July 2023 (Morning)**, however another fresh monsoon spell of **Moderate intensity** is likely to start over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej from **26th July 2023 (Evening)**.

8. All concerned organizations including Flood Mitigation Committee (FMC), Mangla are advised to remain Alert & Vigilant, take prompt actions on warnings issued, to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage, flood protection & river training infrastructure etc.

9. Round-the-Clock monitoring of current weather situation is being done by FFD, Lahore.

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.


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

Distribution:

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.
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 24-07-2023

Rivers and Reservoir Positions July 24, 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	224,000	138,000	383,000	319,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	150,000	146,000	309,000	302,000	Low Flood (F)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	253,000	243,000	348,000	346,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	214,000	203,000	375,000	363,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	210,000	188,000	195,000	168,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	135,000	111,000	160,000	129,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	99,000	79,000	63,000	34,000	Normal	650,000
River Kabul									
• Warsak	540,000				36,000		52,000	Low Flood (R)	200,000
• Nowshera					56,000		101,000	Med Flood (R)	200,000
River Swat									
• Chakdara Bridge					10,000		29,000	Normal	150,000
• Munda(H. Works)					9,000		29,000	Normal	150,000
• Charsadda Road	150,000				10,000		30,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	31,000	12,000	72,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	2,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	95,000	86,000	109,000	95,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	125,000	119,000	104,000	97,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	134,000	115,000	106,000	96,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	57,000	47,000	107,000	97,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	39,000	32,000	49,000	40,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		21,000		48,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		9,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	46,000	25,000	68,000	43,000	Low Flood (F)	135,000
• Sidhnaï	150,000	330,210	02-10-1988	17,000	14,000	30,000	18,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 19.00	56,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	21,000	15,000	63,000	51,000	Low Flood (R)	175,000
• Islam	332,000	492,581	11-10-1955	13,000	13,000	28,000	27,000	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	1490.58	1507.19	1528.74	5.809	3.542	4.618	79.50 %
Chashma	649.00	638.15	647.90	643.00	640.00	0.278	0.078	0.024	8.333 %
Mangla	1242.00	1050.00	1177.70	1136.60	1216.95	7.356	1.286	5.468	74.33%
Total Live Storage						13.443	4.906	10.110	75.21%

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /-)
Maximum	37.5 °C	20.3 °C	- 17.2 °C
Minimum	24.3 °C	12.6 °C	- 11.7 °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.

Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission
DAILY WEATHER AND FLOOD SITUATION REPORT
MONDAY JULY 24, 2023

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Murree & Phulra	45 each
2.	Khanpur	42
3.	Rahim Yar Khan	26
4.	Islamabad	24
5.	Kot Addu	14
6.	DG Khan	10
7.	Layyah	07
B Sindh		
8.	Padidan	120
9.	Dadu	75
10.	Mirpur Khas	72
11.	Sakrand	53
12.	Chhor	29
13.	Tando Jam	24
14.	Shaheed Benazirabad	23
15.	Rohri	22
16.	Moin-Jo-Daro	21
17.	Mithi & Karachi	20 each
18.	Sukkur	19
19.	Badin	13
20.	Thatta & Jacobabad	10 each
21.	Khairpur	08
22.	Hyderabad & Larkana	07 each
C Khyber Pakhtunkhwa		
23.	Oghi	67
24.	Bosak Bridge	31
25.	Shinkiari	17
26.	Balakot	16
27.	Kakul	14
28.	Buner & Daggar	13 each
29.	Pattan & Besham	08 each
D Balochistan		
30.	Sibbi	15
31.	Lasbela	13
32.	Panjgur	11
33.	Khuzdar & Zhob	10 each
34.	Loralai & Quetta	07 each
E Gilgit-Baltistan		
35.	Astore	38
36.	Bagrote	08
37.	Gilgit	06
F AJ & K		
38.	Domel	36
39.	Muzaffarabad	31
40.	Chattar Kallas	27
41.	Palandri	18
42.	Garhi Dopatta	10
43.	Rawalakot & Haraman	07 each

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