



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
SATURDAY, JULY 08, 2023

Except for **River Kabul** which is flowing in “**Low Flood**” at Nowshera, all major rivers of the country are presently flowing in “Normal Flow Conditions”. **Annexure-I** depicts today’s major river Inflows/Outflows at important control structures besides levels & live storage, temperature at Skardu. At present combined live storage of three major reservoirs show healthy position (**59.52%** of total **13.443 MAF** as against **16.33% last year**).

2. Deep Trough of Westerly Wave continues to prevail over Northern parts of Pakistan whereas Seasonal Low lies over Balochistan. **Moderate to Strong Monsoon Currents** from Bay of Bengal and **Light to Moderate Monsoon Currents** from Arabian Sea are penetrating into the upper parts of Pakistan upto 10,000 feet as a consequence of Upper Air Cyclonic circulation which presently is prevailing over Northwestern Madhya Pradesh (India). (**Source: FFD, Lahore**)

3. **Forecast for Next 24 hours:**

- **Widespread wind thunderstorm/rain** with **Heavy Falls** at scattered places and **Very Heavy Falls** at isolated places over **Gujranwala & Lahore Divisions (Punjab)** including over the upper catchments of rivers **Chenab, Ravi & Sutlej** is expected.
- **Scattered wind thunderstorm rain** of **Moderate Intensity** with **Isolated Heavy Falls** over rest of the **Punjab, Khyber Pakhtunkhwa, Sindh and Kalat, Naseerabad, Loralai, Sibbi & Zhob Divisions of Balochistan** is also expected besides over the upper catchments of rivers **Indus and Jhelum**.


4. Considerable rainfall activity has been experienced all over the country during the past 24 hours. **Annexure-II** is referred.

5. **Weather & Flood Forecast (9th -10th July 2023):**

The current wet spell is likely to continue for the subsequent 24 hours that may result into:

- **Flash flooding** in the **Hill Torrents of D.G. Khan Division** and local Nullahs of **Northern Balochistan** (next **48 hours**).
- **High to Very High-level flooding** in **River Chenab** and associated Nullahs of rivers **Ravi & Chenab** (**July 9-10, 2023**).

6. The current wet spell is likely to subside from July 10, 2023. FFD, Lahore the main National Flood Forecasting arm of PMD is closely monitoring the present weather system and is keeping all concerned organizations fully abreast of the weather and flood situation.


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

Distribution:

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

Distribution:

3. Minister for Climate Change, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
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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.
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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.
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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.
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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 08-07-2023

Rivers and Reservoir Positions July 08, 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	288,000	200,000	199,000	205,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	180,000	173,000	252,000	244,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	214,000	205,000	239,000	225,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	178,000	157,000	211,000	187,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	97,000	72,000	184,000	148,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	58,000	25,000	137,000	82,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	22,000	NIL	58,000	31,000	Normal	650,000
River Kabul									
• Warsak	540,000				45,000		29,000	Normal	200,000
• Nowshera					67,000		69,000	Low Flood (R)	200,000
River Swat									
• Chakdara Bridge					17,000		14,000	Normal	150,000
• Munda(H. Works)					13,000		19,000	Normal	150,000
• Charsadda Road	150,000				14,000		18,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	28,000	17,000	70,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	81,000	55,000	65,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	63,000	57,000	45,000	38,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	46,000	24,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	44,000	27,000	46,000	30,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	10,000	NIL	25,000	10,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		3,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		12,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	32,000	8,000	41,000	14,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	13,000	NIL	20,000	5,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	13,000	2,000	15,000	3,000	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	1436.70	1459.08	1517.19	5.809	1.434	4.013	69.08 %
Chashma	649.00	638.15	641.40	643.40	646.70	0.278	0.087	0.176	63.31 %
Mangla	1242.00	1050.00	1154.20	1117.35	1191.40	7.356	0.674	3.812	51.82 %
Total Live Storage						13.443	2.195	8.001	59.52 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	33.0 °C	21.3 °C	- 11.7 °C
Minimum	17.0 °C	12.0 °C	- 5.0 °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.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A Punjab		
1.	Kasur	125
2.	Lahore	{Township=75, Johar Town=70, Luckshami=44, Gulshan e Ravi=41, Iqbal Town=36, Qurtba chock=25, Taj Pura=23, Samanabad & Airport=22(each), Jail Road=21, Gulburg=17, Mughal Pura & Upper Mall=11(each), Shahi Qilla=10, Shahdara=09}
3.	Daulatnagar	43
4.	Domel	38
5.	Murree	27
6.	Sialkot	{Cantt=28 & Airport=11}
7.	Haraman	13
8.	Chunian	11
9.	Gujrat	10
10.	Bahawalpur & Ravi Syphon	08 each
11.	Multan & Okara	06 each
B Khyber Pakhtunkhwa		
12.	Bosak bridge	24
13.	Phulra	16
14.	Shinkiari	15
15.	Oghi	13
16.	Peshawar (Wapda telemetric)	12
17.	Chitral	{Chouni Bridge=10 & Airport=08}
18.	Tarbela & Kakul	09 each
19.	Kalam & Daggar	08 each
20.	Balakot	07
C Sindh		
21.	Chhor	57
22.	Jacobabad	47
23.	Hyderabad	21
24.	Larkana	20
25.	Mithi	16
26.	Karachi	{Gulshan-e-Hadeed=14 & Faisal Base=07}
27.	Sakrand	12
28.	Benazirabad	07
D Balochistan		
29.	Sibbi	78
30.	Zhob	15
E Gilgit-Baltistan		
31.	Hunza, Khawagoobo Bridge	19

32.	Bagrote & Astore	18 each
33.	Gupis,	13
34.	Gilgit	10
F	A J & K	
35.	Rawalakot	39
36.	Kallar & Palandri	25 each
37.	Islampur	24
38.	Garhi Dopatta	20
39.	Kotli	19
40.	Muzaffarabad	{ Airport=12 & City=09 }
41.	Bandi Abbaspur	09
42.	Chattar Kallas	08

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