



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 25, 2022

River Indus is presently flowing in “**Low Flood**” at **Taunsa Barrage** (downstream Chashma Reservoir) whereas River Kabul (a tributary of River Indus) is in “**Medium Flood**” at Nowshera and in “**Low Flood**” at **Warsak**. All other main rivers of Indus River System (Jhelum, Chenab, Ravi & Sutlej including River Indus at rest of the control points) are flowing in Normal Flow Conditions. For main rivers inflows/outflows at important control structures, reservoirs storage position and Skardu temperature, **Annexure-I** may be seen. Today's Combined Live Storage of country's three major reservoirs is **5.135 MAF (38.15% of 13.461 MAF)** compared to **6.262 MAF (46.52%)** of last year.

2. According to FFD, Lahore yesterday's **Well Marked Low Pressure Area** over Southeastern Sindh at the moment prevails over Southern Sindh with Westerly Wave trough over Northern Parts of Iran besides Seasonal Low over Western Balochistan. **Moderate to Strong** moist currents both from Arabian Sea & Bay of Bengal are penetrating into lower half of Pakistan upto 10,000 feet.

3. For the ensuing 24 hours FFD, Lahore has predicted “**Fairly Widespread**” thunderstorm/rain with “**Heavy to Very Heavy Falls**” at scattered places over **Sindh, Eastern & Coastal Balochistan** besides over **D.G Khan Division (Punjab)**. During the same period, scattered thunderstorm/rain with “**Isolated Heavy Falls**” may also occur over **Rawalpindi, Sargodha, Gujranwala, Multan & Bahawalpur Divisions of Punjab, Peshawar, Kohat, Bannu & D.I. Khan Divisions of Khyber Pakhtunkhwa** including over the upper catchments of entire Indus River System. Additionally isolated thunderstorm/ rain is also expected over **Lahore, Faisalabad & Sahiwal Divisions of Punjab** during the same 24 hours. **Medium to High Category flooding** is expected in the Hill Torrents of **D.G. Khan Division of Punjab** as a consequence.

4. During the past 24 hours heavy rainfall has been experienced in Sindh, Balochistan and Punjab (Sindh: Badin= 219 mm, Karachi = 217 mm & Thatta= 131 mm), (Balochistan: Lasbela = 118 mm) and (Punjab: Faisalabad= 101 mm). Overall details may be seen at **Annexure-II**.

5. **FFD's Weather Outlook & Flood Forecast (25th to 27th July 2022):**

Rainfall activity is likely to subside over lower half of the country whereas Monsoon activity is likely to increase over the Upper half of the country from **27th July 2022**. The **Heavy to Very Heavy** rains may generate **Urban Flooding** in a number of cities of **Sindh** including **Karachi, Hyderabad, Thatta, Badin, Shaheed Benazirabad, Jamshoro, Mirpurkhas, Dadu, Umer Kot, Jacobabad, Larkana and Sukkur** from **25th to 26th July 2022**, besides **Flash Flooding** in local Nullahs/ Tributaries of **Loralai, Barkhan, Kohlu, Mosa Khel, Sherani, Sibbi and Bolan (Balochistan)** during the same period.

6. **Precautionary Measures by all Concerned:**

All concerned authorities, especially PDMAs, DDMA, GBDMA, SDMA and Provincial Irrigation Departments are strictly advised to remain **Fully Alert & Vigilant**, ensure timely actions on warnings issued by the concerned organizations, to ensure safety of low lying area communities, public & private property besides irrigation, drainage & flood protection infrastructure etc.

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is constantly monitoring the present weather system in the country and is keeping all concerned fully abreast of the situation on round-the-clock basis through Flood Forecasting Division (FFD), 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.

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.
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 25-07-2022

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 25, 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	167,000	121,000	243,000	137,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	178,000	170,000	150,000	146,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	192,000	180,000	213,000	206,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	195,000	166,000	273,000	266,000	Low Flood (F)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	202,000	159,000	216,000	197,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	122,000	66,000	179,000	159,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	30,000	NIL	98,000	93,000	Normal	650,000
River Kabul									
• Warsak	540,000				24,000		57,000	Low Flood (F)	200,000
• Nowshera		450,000	29-07-2010		48,000		95,000	Med Flood (R)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		13,000		22,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		11,000		18,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		10,000		16,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	42,000	10,000	34,000	13,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	5,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	63,000	30,000	86,000	77,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	34,000	27,000	66,000	60,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	27,000	7,000	72,000	53,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	55,000	39,000	85,000	78,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	16,000	NIL	38,000	32,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		7,000		13,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		25,000		20,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	42,000	14,000	41,000	23,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	26,000	9,000	22,000	22,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	4,000	22,000	16,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	12,000	12,000	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1459.57	1492.36	1511.23	5.827	2.903	3.741	64.20 %
Chashma	649.00	638.15	648.20	648.20	642.00	0.278	0.237	0.058	20.86 %
Mangla	1242.00	1050.00	1229.00	1179.00	1138.10	7.356	3.122	1.336	18.16 %
Total Live Storage						13.461	6.262	5.135	38.15 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ /-)
Maximum	34.6 °C	32.6 °C	- 2.0
Minimum	17.3 °C	16.3 °C	- 1.0

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)

(R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) 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.	Faisalabad	101
2.	Bhakkar	55
3.	Bahawalpur	52
4.	Chakwal	51
5.	Kot Addu	47
6.	Gujrat	42
7.	DG Khan	40
8.	Bahawalnagar	39
9.	Layyah	36
10.	Multan	35
11.	Joharabad	27
12.	Noorpur Thal	24
13.	Sargodha	15
14.	Islamabad	13
15.	Lahore & Khanpur	10 each
16.	Khanewal	09
17.	Attock	08
18.	Kamra	06
B	Sindh	
19.	Badin	219
20.	Karachi	217
21.	Thatta	131
22.	Padidan	46
23.	Jacobabad & Moin-Jo-Daro	45 each
24.	Hyderabad	40
25.	Sakrand & Larkana	23 each
26.	Dadu	19
27.	Mithi & Shaheed Benazirabad	13 each
28.	Chhor	08
C	Khyber Pakhtunkhwa	
29.	Besham	46
30.	Daggar,	39
31.	Buner,	29
32.	Malam Jabba	20
33.	D.I.Khan & Peshawar	18 each
34.	Mamad Gut	13
35.	Phulra	10
36.	Saidu Sharif	09
37.	Lower Dir	08
38.	Ghalanai & Tirah-Khyber	07 each
39.	Pattan, Shinkiari & Oghi	06 each
D	Balochistan	
40.	Lasbela	118
41.	Khuzdar	90
42.	Sibbi	16
43.	Ziarat & Dalbandin	11 each
44.	Kalat	10
E	Gilgit-Baltistan	
45.	Gupis & Hunza	08 each
46.	Bagrote	07
F	A J & K	
47.	Hajira	09

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