



**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
FRIDAY, JULY 01, 2022**

Monsoon Season 2022 has set in and issuance of **FFC's Daily Weather & Flood Situation Report** has started effective today (**i.e. July 01, 2022**). Flood Communication Cell (FCC) of Federal Flood Commission (FFC) is already functional on Round-the-Clock basis with effect from **June 15, 2022**. During the Season, the entire Indus River System including its important tributaries in addition to important Hill Torrents and flood flow generating Nullahs shall be monitored with regard to their discharges/flood flows and safety of irrigation, drainage and flood protection infrastructure across the Country.

2. All main rivers of Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are presently discharging normal flows. At the commencement of 2022 Monsoon Season, the existing Combined Live Storage of country's major reservoirs (Tarbela, Chashma & Mangla) is **0.417 MAF (3.10 % of Total Live Storage Capacity of 13.461 MAF, Annexure-I)**. Major factor attributed to less storage so far is less than average winter snowfall and deficient rainfall in the catchment areas of river Indus, Kabul and Jhelum owing to visible temperature variations.

3. Flood Forecasting Division (FFD), Lahore of Pakistan Meteorological Department (PMD) has informed that at present moderate moist currents from Arabian Sea & Bay of Bengal are penetrating into upper parts of the country up to 5000 feet. Arabian Sea's Seasonal Low is prevailing over Northern Balochistan with its trough extending towards North. Westerly Wave is lying over Northern parts of Pakistan.

4. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity with Isolated Heavy Falls** over **Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & Faisalabad Divisions)** and **Southeastern Sindh** including the upper catchments of all the major rivers. During the same period, isolated thunderstorm/rain is also expected in **Sahiwal, Bahawalpur & D.G. Khan Divisions of Punjab, Eastern Balochistan and Southern Sindh**. Significant rainfall reported during past 24 hours may be seen at **Annexure-II**.

5. **Weather Forecast for next 48-hours:**

Scattered to fairly widespread thunderstorm/rain of **Moderate Intensity with Heavy Falls** at isolated places is expected over **Southern & Southeastern Sindh** which may cause **Urban Flooding**. Current wet spell is likely to continue over rest of the country.

6. Pakistan Meteorological Department (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 Advisor/
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, 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. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
43. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
44. Managing Director, WASA, Rawalpindi.
45. Principal Information Officer, Press Information Department, Islamabad.
46. Director (News), Associated Press of Pakistan, Islamabad.
47. Director (News), Pakistan Television, Islamabad.
48. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
49. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No.FC-I (31)/2022, Dated 01-07-2022

Rivers and Reservoir Positions July 01, 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	139,000	126,000	160,000	124,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	157,000	151,000	122,000	119,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	173,000	163,000	168,000	165,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	180,000	152,000	98,000	95,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	133,000	98,000	82,000	64,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	89,000	37,000	59,000	24,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	42,000	2,000	16,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				25,000		23,000	Normal	200,000
• Nowshera					35,000		34,000	Normal	200,000
River Swat									
• Chakdara Bridge					15,000		12,000	Normal	150,000
• Munda(H. Works)					6,000		11,000	Normal	150,000
• Charsadda Road	150,000				7,000		10,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	42,000	38,000	44,000	37,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	38,000	16,000	34,000	12,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	58,000	26,000	73,000	55,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	10,000	3,000	47,000	41,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	33,000	13,000	58,000	36,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	20,000	4,000	17,000	NIL	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	10,000	NIL	11,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		9,000		3,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		NIL	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	30,000	2,000	17,000	NIL	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	NIL	11,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	13,000	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	1463.06	1430.91	1405.84	5.827	0.668	0.065	01.12 %
Chashma	649.00	638.15	639.10	644.70	639.40	0.278	0.115	0.016	05.76 %
Mangla	1242.00	1050.00	1217.00	1152.95	1098.80	7.356	1.898	0.336	04.57 %
Total Live Storage						13.461	2.681	0.417	03.10 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	34.0 °C	39.3 °C	+ 5.3 °C
Minimum	17.5 °C	15.3 °C	- 2.2 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Islamabad	Saidpur=32, Bokra=28, Chaklala (Airbase)=13, Shamsabad=12, Zeropoint & New Airport=11(each) & Golra=07
2.	Jhelum	27
3.	Mangla	24
4.	Murree	21
5.	Daulatnagar	13
6.	Gujranwala	07
7.	Sialkot	06
8.	Gujrat	05
B	Khyber Pakhtunkhwa	
9.	Shinkiari	25
10.	Malam Jabba	14
11.	Kakul	09
12.	Balakot	06
C	A J & K	
13.	Bandi Abbaspur	66
14.	Garhi Dopatta	36
15.	Muzaffarabad	33
16.	Chattar Kallas	23
17.	Kotli	20
18.	Hajira	19
19.	Domel & Rawalakot	08 each
20.	Palandri	05

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