



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
WEDNESDAY, JULY 13, 2022

Entire Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) continues to experience "Normal Flow Conditions" except for **River Kabul** which is flowing in '**Low Flood**' at Nowshera since July 7, 2022. This can be seen from the attached **Annexure-I**. Compared to the overall reservoir storage position at the beginning of this year's monsoon season (1st July 2022), at present our major reservoirs, especially Tarbela has gained good storage (**0.065 MAF on 1st July 2022 Vs today's 2.565 MAF**) and **1405.84 feet level Vs today's 1486.00 feet level**. Thus the "Total Live Storage" of Tarbela, Chashma & Mangla reservoirs has also drastically improved (**0.417 MAF (3.10%) on 1st July 2022 Vs 3.739 MAF (27.78%) of today**).

2. **Well Marked Monsoon Low** yesterday over central parts of Orissa (India) is remained stationary as reported by FFD, Lahore. Westerly Wave trough earlier over Kashmir and adjoining areas has now moved away Eastwards with Seasonal Low continues to prevail over Northeastern Balochistan. At present, Arabian Sea & Bay of Bengal moist currents are penetrating into upper parts of Pakistan up to 5000 feet.

3. For the ensuing 24 hours, scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** are expected over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions) and Balochistan (Kalat Division)** including the upper catchments of all major rivers of Indus River System. Isolated thunderstorm/rain may also occur over **Faisalabad, Sahiwal, Multan & Bahawalpur Divisions of Punjab, Southern & Southeastern Sindh and rest of Balochistan** during the same period. Rivers Ravi and Chenab Nullahs may experience **Low to Medium level flooding** as a consequence. Punjab province in particular has experienced good rains during the past 24 hours (**Annexure-II, Source: FFD, Lahore**).

4. **July 14th -17th 2022, Weather Outlook and Flood Forecast:**

Widespread thunderstorm/rain with scattered **Heavy Falls** and isolated **Very Heavy Falls** is expected over **D.G. Khan Division (Punjab), Sindh and Balochistan** from **14th to 16th July 2022** and likely to cause **Medium to High Level flooding** in the hill torrents of D.G. Khan Division and in the Rivers/Nullahs of Balochistan besides **Urban Flooding** in Sindh from **14th to 17th July 2022** (Source: FFD, Lahore).

5. All concerned authorities are advised to remain **ALERT**, monitor the weather and flood situation (in particular urban) constantly and ensure fool proof precautionary measures so that loss of precious human lives and damage to public & private properties is avoided.

6. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD). All concerned are being kept fully abreast of the situation by FFD, Lahore.


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

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

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4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
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 8. Secretary, Ministry of National Food Security & Research, Islamabad.
 9. Director General (Coordination-III), President's Secretariat (Public), Aiwana-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.
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 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 13-07-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 13, 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	221,000	95,000	217,000	134,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	188,000	181,000	202,000	194,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	200,000	190,000	255,000	249,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	166,000	148,000	202,000	176,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	114,000	81,000	156,000	123,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	100,000	59,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	28,000	NIL	19,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				33,000		24,000	Normal	200,000
• Nowshera		450,000	29-07-2010		51,000		69,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		18,000		10,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		13,000		11,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		10,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	54,000	13,000	29,000	21,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	11,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	100,000	73,000	71,000	44,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	91,000	84,000	48,000	42,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	73,000	53,000	50,000	28,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	33,000	17,000	56,000	41,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	24,000	14,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		14,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		32,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	36,000	8,000	32,000	5,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	16,000	1,000	14,000	2,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	4,000	14,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	1,000	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 (% of total storage)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8		
Tarbela	1550.00	1398.00	1459.85	1445.13	1486.00	5.827	1.018	2.565	44.02 %
Chashma	649.00	638.15	645.50	644.80	649.00	0.278	0.120	0.278	100 %
Mangla	1242.00	1050.00	1224.95	1158.75	1124.15	7.356	2.143	0.896	12.18 %
Total Live Storage						13.461	3.281	3.739	27.78 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	29.4 °C	32.4 °C	+ 3.0
Minimum	16.2 °C	19.4 °C	+ 3.2

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	(New Airport=140, Chaklala (Airbase)=85, Saidpur=71, Bokra=59, Shamsabad=53, Golra=44 & Zeropoint=41)
2.	Mianwali	36
3.	Sharqpur	33
4.	Kasur	28
5.	Kamra	17
6.	Lahore	12
7.	Murree	09
8.	Mangla & Dhok Pathan	06 each
9.	D.G. Khan & Attock	05 each
B	Khyber Pakhtunkhwa	
10.	Risalpur	14
11.	Kurram Garhi	07
C	AJ&K	
12.	Bandi Abbaspur	25
13.	Garhi Dopatta	13
14.	Rawalakot	06

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