



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission

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Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
TUESDAY, JULY 12, 2022

All major rivers of the Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are presently flowing in "Normal Flow Conditions" except for **River Kabul** which is flowing in 'Low Flood' at Nowshera. **Annexure-I** depicts the inflows/outflows of major rivers at important control structures, reservoir's position, besides Temperature at Skardu. Present Total Live Storage of Tarbela, Chashma & Mangla reservoirs is **3.472 MAF** i.e. **25.79%** of Maximum Live Storage of **13.461 MAF**.

2. According to Flood Forecasting Division (FFD), Lahore, yesterday's **Monsoon Low** over central parts of Orissa (India) has intensified into **Well Marked Low** and is remained stationary. Trough of Westerly Wave earlier over Northern parts of Pakistan today lies over Kashmir and adjoining areas whereas **Marked Seasonal Low** lies over Northeastern Balochistan and its trough is extending towards Northwards. Mild moist currents from Bay of Bengal are penetrating into upper parts of the country up to 3000 feet.

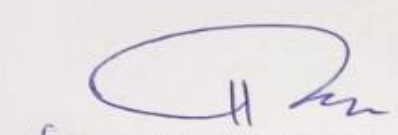
3. For the ensuing 24 hours FFD, Lahore has predicted scattered thunderstorm/rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat & Bannu Divisions) and Balochistan (Kalat Division)** including upper catchments of all the major rivers of Indus River System. During the same time span, isolated thunderstorm/rain may also occur over **Lahore, Faisalabad, Sahiwal, Multan & Bahawalpur Divisions of Punjab, Southern & Southeastern Sindh, D.I. Khan Division of KP and rest of Balochistan**. Significant rainfall events as reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. **Weather Outlook and Flood Forecast (14th -17th July 2022)** Source: FFD, Lahore

Widespread thunderstorm/rain with scattered **Heavy Falls** and isolated **Very Heavy Falls** are expected over **D.G. Khan Division of Punjab, Sindh and Balochistan** from **14th to 16th July-2022**. As a consequence, **Medium to High Level Flooding** is expected 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**.

5. All concerned authorities are advised to remain **ALERT**, monitor the weather and flood situation regularly and ensure fool proof precautionary measures to avoid any loss of precious human lives and damage to public & private properties.

6. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to further movement, intensity and impact of **Well-Marked Low (presently lying over Orissa, India)** over Pakistan and all concerned are being kept fully abreast of the situation through FFD, Lahore.


for (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.

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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 12-07-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 12, 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	193,000	84,000	253,000	158,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	178,000	172,000	211,000	203,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	180,000	169,000	215,000	210,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	155,000	137,000	203,000	177,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	117,000	84,000	145,000	112,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	78,000	30,000	90,000	50,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	28,000	NIL	20,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				36,000		25,000	Normal	200,000
• Nowshera		450,000	29-07-2010		37,000		72,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		18,000		14,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		11,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		7,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	46,000	8,000	35,000	13,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	23,000	12,000	10,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	89,000	55,000	82,000	55,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	40,000	33,000	53,000	47,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	51,000	31,000	70,000	48,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	29,000	12,000	52,000	36,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	11,000	NIL	18,000	9,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		10,000		5,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		29,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	7,000	32,000	5,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	15,000	NIL	14,000	5,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	14,000	3,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	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 (%age of total storage)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8		
Tarbela	1550.00	1398.00	1460.42	1440.75	1482.00	5.827	0.907	2.393	41.06 %
Chashma	649.00	638.15	645.30	644.90	647.80	0.278	0.123	0.219	78.77 %
Mangla	1242.00	1050.00	1224.60	1156.55	1123.25	7.356	2.050	0.860	11.69 %
Total Live Storage						13.461	3.080	3.472	25.79 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	36.8 °C	28.6 °C	- 8.2
Minimum	21.2 °C	14.3 °C	- 6.9

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.	Kamra	77
2.	Attock	65
3.	Islamabad	(New Airport=47, Chaklala (Airbase)=35, Bokra=30, Zeropoint & Shamsabad=15 (each), Golra=14 & Saidpur=07)
4.	Mianwali	17
5.	Noorpur Thal	12
6.	Bhakkar & Kallar	06 each
7.	Murree	05
B Sindh		
8.	Karachi	(DHA=127, Faisal Base=100, Masroor=72, North Karachi=50, Gulshan-e-Maymar=40, Surjani Town=38, University Road=35, Nazimabad=29, Orangi Town=16, Gulshan-e-Hadeed & Kemari=11 (each), Saadi Town=09, Quaidabad=08 & Gudap Town=05)
9.	Mithi	27
C Khyber Pakhtunkhwa		
10.	Bannu & Risalpur	28 each
11.	Cherat	25
12.	Kohat	22
13.	Takht Bai	13
14.	Phulra	11
15.	Daggar	09
16.	Tarbela	08
17.	Oghi	07
18.	Mardan & Shinkhari	05 each
D Balochistan		
19.	Ormara & Panjgur	25 each
20.	Pasni	19
21.	Ziarat	10
22.	Lasbela, Turbat & Gawadar	08 each
E AJ&K		
23.	Kotli	19

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