



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

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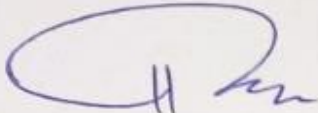
FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY, JULY 11, 2022

Except for **River Kabul**, which at present is flowing in '**Low Flood Stage**' in "Warsak-Nowshera Reach", all other major rivers of Indus River System (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Flow Conditions". **Annexure-I** illustrates 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 **3.163 MAF** i.e. **23.49%** 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) is remained stationary. Trough of Westerly Wave continues to prevail over Northern parts of Pakistan with Seasonal Low lies over Northwestern Balochistan. Mild moist currents from both Arabian Sea & 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 & D.I. Khan Divisions), Southern & Southeastern Sindh and Balochistan** including upper catchments of all the major rivers of Indus River System. During the same period, isolated thunderstorm/rain may also occur over **Lahore, Faisalabad, Sahiwal, Multan & Bahawalpur Divisions of Punjab**. As a consequence, **Low Level flooding** is expected in the Hill Torrents of D.G Khan Division during the next 24 hours. Significant rainfall events as reported by FFD, Lahore for the past 24 hours may be seen at **Annexure-II**.

4. 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 **Monsson 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.
5. Secretary, Ministry of Water Resources, Islamabad.

Distribution:

6. Secretary, Ministry of Climate Change, Islamabad.
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 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 11-07-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 11, 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	175,000	84,000	283,000	157,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	187,000	181,000	183,000	176,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	181,000	172,000	203,000	177,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	156,000	139,000	216,000	210,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	117,000	84,000	143,000	111,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	79,000	31,000	82,000	44,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	30,000	1,000	21,000	NIL	Normal	650,000
River Kabul									
• Warsak	540,000				30,000		44,000	Low Flood (F)	200,000
• Nowshera		450,000	29-07-2010		40,000		65,000	Low Flood (F)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		15,000		21,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		25,000		12,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		6,000		13,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	44,000	12,000	27,000	12,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	33,000	12,000	14,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	80,000	46,000	87,000	61,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	34,000	6,000	65,000	59,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	48,000	28,000	72,000	50,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	28,000	11,000	46,000	28,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	13,000	NIL	20,000	13,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		8,000		4,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		28,000		13,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	35,000	5,000	33,000	6,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	14,000	NIL	15,000	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	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		
Tarbela	1550.00	1398.00	1460.80	1438.45	1477.00	5.827	0.851	2.179	37.39 %
Chashma	649.00	638.15	645.00	643.20	646.30	0.278	0.082	0.163	58.63 %
Mangla	1242.00	1050.00	1224.10	1155.30	1122.35	7.356	1.997	0.821	11.16 %
Total Live Storage						13.461	2.930	3.163	23.49 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	36.6 °C	30.8 °C	- 5.8
Minimum	14.5 °C	19.4 °C	+ 4.9

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.	Khanewal	27
2.	Bahawalnagar	18
3.	Multan	15
4.	Gujrat	14
5.	Khanpur	12
6.	Kallar	05
B Sindh		
7.	Karachi	(Masroor=120, Quaidabad=114, DHA=107, Nazimabad=102, Faisal Base=65, Orangi Town=61, Airport=50, Gulshan-e-Hadeed=47, Jinnah Terminal=30, University Road=15, Surjani Town=14 & Gadap Town=09)
8.	Thatta	51
9.	Sakrand	15
10.	Chhor	06
C Khyber Pakhtunkhwa		
11.	Takht Bai	170
12.	Mardan	166
13.	Mohmand Dam	45
14.	Buner	19
15.	Mamad Gut & Malam Jabba	14 each
16.	Kakul	13
17.	Pashat-Bajaur	12
18.	Risalpur	11
19.	Lower Dir, Kamra & Kohat	10 each
20.	Phulra	09
21.	Khaar-Bajaur	07
22.	Balakot	05
D Balochistan		
23.	Ormara	10
24.	Panjugur & Lasbela	05 each
E AJ&K		
25.	Haraman	07

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