



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

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FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**THURSDAY, JULY 06, 2023**

All major rivers of Indus River System (IRS) are flowing in Normal Flow Condition except for **River Kabul** which is flowing in **Low Flood** at **Nowshera**. Inflows/ outflows of major rivers alongwith storage position of Tarbela, Chashma & Mangla reservoirs at 0600 hours today besides, Skardu Temperature may be seen at **Annexure-I**. Compared to last year this year combined live storage of major reservoirs is very healthy (**1.579 MAF Vs 7.592 MAF** against maximum of **13.443 MAF**).

2. As per present meteorological situation, yesterday's deep trough of Westerly Wave continues to prevail over Northeastern Afghanistan and adjoining areas whereas Seasonal Low lies over Balochistan with its trough extending northwards. Streams of air owing to upper air Cyclonic circulation earlier over Northwestern Bay of Bengal today lies over Western Bengal (India). **Moderate to Strong Monsoon Currents** from Bay of Bengal are penetrating into upper parts of Pakistan up to 5000 feet.

3. **For the next 24 hours FFD, Lahore** has predicted as follows:

- **Scattered Wind Thunderstorm/ Rain with Isolated Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & Sahiwal Divisions)** and **Khyber Pakhtunkhwa (Peshawar Division)** including upper catchments of all the major rivers of IRS.
- **Scattered to Widespread Wind Thunderstorm/Rain of Moderate Intensity with Isolated Heavy Falls** may also occur over **Punjab (D.G Khan, Multan & Bahawalpur Divisions)**, **Khyber Pakhtunkhwa (Kohat, Bannu & D.I Khan Divisions)** and **Balochistan (Kalat, Naseerabad, Loralai, Sibi & Zhob Divisions)** during the same period.

4. Current wet spell is likely to continue during next 48-hours, as a result, **Flash flooding** is expected in the Hill Torrents of **D.G Khan Division** and local Nullah's of **Northern Balochistan (Source: FFD, Lahore)**.

5. **Heavy rainfall** has been experienced in **Punjab** besides in **Khyber Pakhtunkhwa** and **AJ&K** during the past 24 hours (**Annexure-II**).

6. **Weather Outlook and Flood Forecast-For next one week:**

Present wet spell of **Moderate to Heavy Intensity** may likely to affect the upper catchments of all the major rivers along with Sulaiman range up to **8<sup>th</sup> July 2023**. According to the latest meteorological analysis by PMD, the intensity of the weather system during **8<sup>th</sup> to 10<sup>th</sup> July 2023** is likely to be decreased slightly. Nevertheless **Flash Flooding** in the Hill Torrents of **D.G Khan Division** and local Nullahs of **Northern Balochistan** including small Rivers in **Bannu, Kohat and D.I Khan Divisions** is expected (From **7<sup>th</sup> to 9<sup>th</sup> July 2023**).

7. PMD Islamabad through FFD, Lahore is closely monitoring the present weather system and is keeping all concerned organizations 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.

## **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, Planning, Development & Special Initiatives Division, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
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.
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)/2023, dated 06-07-2023**

## Rivers and Reservoir Positions July 06, 2023 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	265,000	204,000	193,000	199,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	160,000	154,000	243,000	235,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	180,000	172,000	226,000	215,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	121,000	107,000	208,000	188,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	72,000	56,000	186,000	146,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	54,000	22,000	140,000	85,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	20,000	NIL	46,000	5,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				46,000		33,000	Normal	200,000
• Nowshera					53,000		60,000	Low Flood (R)	200,000
<b>River Swat</b>									
• Chakdara Bridge					13,000		14,000	Normal	150,000
• Munda( H. Works)					15,000		16,000	Normal	150,000
• Charsadda Road	150,000				15,000		14,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	42,000	17,000	55,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	NIL	7,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	91,000	66,000	79,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	74,000	68,000	59,000	52,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	66,000	44,000	67,000	45,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	43,000	25,000	29,000	12,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	NIL	NIL	26,000	11,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		14,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	31,000	7,000	37,000	9,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	13,000	NIL	18,000	2,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	10,000	NIL	15,000	3,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	NIL	NIL	3,000	2,000	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)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1436.80	1445.30	1513.50	5.809	0.956	3.825	65.85 %
Chashma	649.00	638.15	641.40	640.80	645.90	0.278	0.037	0.150	53.96 %
Mangla	1242.00	1050.00	1154.50	1113.70	1188.00	7.356	0.586	3.617	49.17 %
<b>Total Live Storage</b>						<b>13.443</b>	<b>1.579</b>	<b>7.592</b>	<b>56.48 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ /- )
Maximum	34.0 °C	25.3 °C	- 8.7 °C
Minimum	14.6 °C	15.4 °C	0.8 °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: (applied on downstream discharge/Outflow)

\* ( R ) Signifies "Rising" Flood, ( F ) Signifies "Falling" Flood, ( S ) Signifies "Stable" Flow Condition & NR stands for "Not Received"

\* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

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**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A Punjab</b>		
1.	Lahore	150
2.	Kasur	70
3.	Ravi Syphon	38
4.	Sahiwal	23
5.	Faisalabad	22
6.	T.T. Singh	17
7.	Chunain & Jhang	14 each
8.	Hafizabad	10
9.	Noorpur Thal & Sargodha	09 each
10.	Narowal	08
11.	Daultnagar	05
<b>B Khyber Pakhtunkhwa</b>		
12.	Khawagoobo Bridge	66
13.	Besham	32
14.	Dir	20
15.	Pattan	14
16.	Balakot	09
17.	Kalam	08
18.	Darashoot	07
19.	Malam Jabba	06
20.	Saidu Sharif & Mamad Gut	05 each
<b>C Balochistan</b>		
21.	Sibi	09
22.	Zhob	05
<b>D Gilgit-Baltistan</b>		
23.	Bagrote	09
24.	Gilgit	07
25.	Hunza	06
<b>E A J &amp; K</b>		
26.	Domel	51
27.	Muzaffarabad	15

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