



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

6-Attaturk Avenue, G-5/1, Islamabad  
Fax No. 051-9244621 & www.ffc.gov.pk

**FFC's**  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**MONDAY AUGUST, 01 2022**

At present River Indus is flowing in “**Low Flood**” in its reaches **Tarbela-Kalabagh, Kalabagh-Chashma, Chashma-Taunsa, Taunsa-Guddu** and **Guddu-Sukkur**. River Kabul (a tributary of River Indus) is also flowing in “**Low Flood**” at **Nowshera** and **Warsak**. All other main rivers of Indus River System (Jhelum, Chenab, Ravi & Sutlej) are flowing in Normal Flow Conditions. **Annexure-I** depicts main rivers inflows/ outflows at important control structures, reservoirs storage position and Skardu temperature. Today's Combined Live Storage of country's three major reservoirs is **6.684 MAF (49.65% of 13.461 MAF)**.


2. Yesterday's Well-Marked Low-Pressure Area over Southern Punjab (around DG Khan Division) has moved Southwards and today lies over Northeastern Balochistan, however it has weakened into Low & is likely to weaken further. At present, Trough of Westerly Wave lies over Kashmir and Adjoining area with Seasonal Low continues to prevail over Western Balochistan. Weak moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet. (Source: FFD, Lahore)

3. For the ensuing 24 hours FFD, Lahore has predicted scattered thunderstorm/rain over **D.G. Khan Division of Punjab** and **Kohat, Bannu & D.I Khan Divisions of Khyber Pakhtunkhwa**. For the same time period, isolated thunderstorm/rain may also occur over **Islamabad, rest of the Punjab, Khyber Pakhtunkhwa and Eastern Balochistan** including upper catchments of all the main rivers of Indus River System.

4. During the past 24 hours heavy rainfall has been experienced in AJ&K (Prominent figures include: Domel=198 mm , Muzaffarabad = 170 mm), Punjab (Prominent figures include: Okara= 102 mm, Khanewal = 80 mm) and Islamabad (86 mm). Overall details may be seen at **Annexure-II**.

5. All related organizations are advised to remain **Vigilant**, take timely actions on warnings issued by the concerned organizations to ensure safety of low lying area communities, public & private property besides irrigation, drainage & flood protection infrastructure etc.

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

  
(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.

## **Distribution:**

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 01-08-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad

## Rivers and Reservoir Positions August 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	328,000	219,000	295,000	240,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	271,000	265,000	287,000	283,000	Low Flood (R)	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	331,000	322,000	381,000	373,000	Low Flood (F)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	276,000	247,000	336,000	329,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	153,000	111,000	324,000	304,000	Low Flood (S)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	98,000	44,000	278,000	237,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	63,000	26,000	154,000	127,000	Normal	650,000
<b>River Kabul</b>									
• Warsak	540,000				38,000		40,000	Low Flood (R)	200,000
• Nowshera		450,000	29-07-2010		77,000		75,000	Low Flood (F)	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		15,000		18,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		16,000		17,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		11,000		15,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	50,000	11,000	60,000	13,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	14,000	NIL	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	119,000	96,000	94,000	77,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	107,000	100,000	96,000	90,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	101,000	81,000	91,000	72,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	92,000	76,000	112,000	104,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	24,000	8,000	104,000	96,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		8,000		34,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		19,000		21,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	51,000	23,000	47,000	30,000	Normal	135,000
• Sidhna	150,000	330,210	02-10-1988	28,000	12,000	18,000	14,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	17,000	3,000	14,000	8,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	NIL	5,000	5,000	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)
			2020	2021	2022	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1398.00	1472.30	1521.00	1531.00	5.827	4.290	4.761	81.71 %
Chashma	649.00	638.15	647.30	639.50	639.00	0.278	0.017	0.010	03.60 %
Mangla	1242.00	1050.00	1230.30	1190.80	1153.30	7.356	3.776	1.913	26.00 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>8.083</b>	<b>6.684</b>	<b>49.65 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / - )
Maximum	31.0 °C	24.0 °C	- 7.0 °C
Minimum	18.5 °C	15.0 °C	- 3.5 °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)

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

Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Adviser/  
Chairman, Federal Flood Commission  
**DAILY WEATHER AND FLOOD SITUATION REPORT**  
**MONDAY, AUGUST 01 2022**  
**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Okara	102
2.	Islamabad	86
3.	Khanewal	80
4.	Mandibahauddin	70
5.	Chakwal & Murree	59 each
6.	Sahiwal	54
7.	Daultanagar	48
8.	DG Khan	42
9.	Layyah & Shorkot	36 each
10.	Narowal	35
11.	T.T. Singh	31
12.	Gujranwala	28
13.	Jhelum	27
14.	Jhang	26
15.	Gujrat	24
16.	Haraman	20
17.	Sialkot	17
18.	Kamra	15
19.	Lahore	13
20.	Attock	12
21.	Noorpur Thal, Zafarwal & Baba Shah Jalal	11 each
22.	Mianwali	10
23.	Faisalabad	09
24.	Kasur, Dhok Pathan & Kot Addu	08 each
25.	Sharqpur	07
<b>B</b>	<b>Sindh</b>	
26.	Karachi	06
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
27.	Risalpur	39
28.	Phulra	38
29.	Balakot	32
30.	Saidu Sharif	29
31.	Shinkiari	26
32.	Lower Dir	21
33.	Buner	19
34.	Takht Bai, Mardan, Malam Jabba & Oghi	16 each
35.	Dir & KhaarBajaur	14 each
36.	Chakdara	11
37.	Daggar	10
38.	Ghalanai	09
39.	Besham & Kakul	07 each
40.	Mommand Dam	06
<b>D</b>	<b>Balochistan</b>	
41.	Loralai	12
<b>E</b>	<b>A J &amp; K</b>	
42.	Domel	198
43.	Muzaffarabad	170
44.	Chakothi	61
45.	Dhulli	41
46.	Chattar Kallas	25
47.	Rawalakot	22
48.	Bandi Abbaspur	21
49.	Garhi Dopatta	20
50.	Palandri	12
51.	Hajira	08
<b>F</b>	<b>Gilgit-Baltistan</b>	
52.	Bagrote	09
53.	Bunji	08

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