



FFC's  
**DAILY WEATHER & FLOOD SITUATION REPORT**  
**FRIDAY AUGUST 12, 2022**

Heavy rainfall in the catchment areas of **River Chenab** has resulted in flooding situation at its various control structures. At present it is in "**High Flood category**" at **Khanki (downstream Marala)**, "**Medium Flood**" at **Qadirabad** and in "**Low Flood**" at **Marala** (first control structure on river Chenab in Pakistan). Also **River Indus** is flowing in "**Low Flood**" at **Kotri** (the last control structure on River Indus upstream Arabian Sea). All other main rivers of Indus River System i.e Jhelum, Ravi & Sutlej are flowing under "Normal Flow Condition". **Annexure-I** depicts Inflows/ Outflows of main rivers at important control structures, storage position of reservoir including Skardu temperature at 0600 hours today. Present Combined Live Storage of the country's major reservoir (Tarbela, Mangla & Chashma) is **8.125 MAF** (i.e. **60.36%** of the total **13.461 MAF**).

2. **Well Marked Monsoon Low** yesterday over Central Parts of Madhya Pradesh (India) has weakened and converted into trough while another **Well Marked Low-Pressure Area** continues to persist over Northeastern Arabian Sea and adjoining areas. As per FFD, Lahore, a fresh **Monsoon Low** is likely to develop over North Bay of Bengal (India) during the next 24 hours. This is expected to affect lower half of Pakistan from **16<sup>th</sup> August 2022**.

3. Further to above, Seasonal Low continues to prevail over Northwestern Balochistan whereas trough of Westerly Wave lies over Northern parts of Pakistan. At the reporting time today Moderate to Strong Moist currents both from Bay of Bengal and Arabian Sea were penetrating into lower half of Pakistan upto 10000 feet.

4. For the ensuing 24 hours FFD, Lahore has predicted, **Scattered to Widespread thunderstorm/rain of Moderate Intensity** with **Isolated Heavy Falls** over **Sindh & Eastern Balochistan**. During the same period **scattered thunderstorm/rain** may also occur over **Islamabad, Punjab (Rawalpindi Division), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** and upper catchments of all the main rivers of Indus River System besides isolated thunderstorm/rain over rest of the country.

5. As a result of afore-stated weather prediction, **Medium to High Level Flooding** is expected in the **Rivers/ Nullahs of Chenab & Ravi** during the next 24 hours. During the past 24 hours **heavy** rainfall events have been experienced in Punjab (Daulatnagar=131 mm, Hafizabad=91 mm, Gujrat=72 mm & Sialkot=70 mm) including AJ&K (Haraman=103 mm). **Annexure-II** is referred.

6. **Future Weather Outlook & Flood Forecast (13<sup>th</sup>-19<sup>th</sup> August 2022):**

The current **Wet Spell** is likely to continue during next 24 hours which may result **Urban Flooding in Sindh** and **Flash Flooding in Rivers/Nullahs of Balochistan & Hill Torrents of D.G. Khan Division** from **13<sup>th</sup> to 14<sup>th</sup> August 2022**. In addition, another strong **Wet Spell** is anticipated to commence over **Southern Punjab, Sindh and Balochistan** from **16<sup>th</sup> August 2022**.

7. All concerned organizations including field formation of **Provincial Irrigation Departments, PDMAs** and **DDMAs** are strictly advised to remain **Fully Alert & Vigilant**, take timely actions on warnings issued by the concerned organizations to ensure safety of communities living in low lying areas, public & private property besides irrigation, drainage & flood protection infrastructure etc.

8. Pakistan Meteorological Department (PMD) is closely monitoring the present weather system over Pakistan and is keeping all concerned fully informed through FFD, Lahore.

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

**Distribution:**

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2. Minister for Planning, Development & Special Initiatives, Islamabad.

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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.
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45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
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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 12-08-2022**

## **Copy for information to:**

PS to CEA/ CFFC, Islamabad.

## Rivers and Reservoir Positions August 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	158,000	153,000	234,000	143,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	152,000	145,000	220,000	214,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	178,000	166,000	256,000	241,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	169,000	149,000	171,000	154,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	161,000	122,000	180,000	143,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	123,000	65,000	139,000	102,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	128,000	92,000	221,000	205,000	Low Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				22,000		30,000	Normal	200,000
• Nowshera		450,000	29-07-2010		34,000		41,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge		360,000	30-07-2010		14,000		12,000	Normal	150,000
• Munda( H. Works)		355,000	29-07-2010		6,000		8,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		7,000		9,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	35,000	12,000	32,000	14,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	19,000		16,000	5,000	Normal	225,000
					16,000				
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	56,000	21,000	142,000	130,000	Low Flood (F)	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	27,000	20,000	217,000	211,000	High Flood (R)	400,000
• Qadirabad	900,000	948,530	11-9-1992	21,000	1,000	196,000	177,000	Med Flood (R)	400,000
• Trimmu	875,000	943,225	08-7-1959	22,000	6,000	58,000	49,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	27,000	12,000	46,000	34,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		6,000		21,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		19,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	9,000	40,000	16,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	24,000	6,000	26,000	12,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	16,000	2,000	11,000	1,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	1,000	NIL	5,000	4,000	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	1510.20	1541.12	1544.20	5.827	5.374	5.495	94.30 %
Chashma	649.00	638.15	640.50	643.40	642.60	0.278	0.087	0.070	25.18 %
Mangla	1242.00	1050.00	1234.25	1201.60	1167.80	7.356	4.433	2.560	34.80 %
<b>Total Live Storage</b>						<b>13.461</b>	<b>9.894</b>	<b>8.125</b>	<b>60.36 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference ( + / - )
Maximum	32.6 °C	32.8 °C	+ 0.2 °C
Minimum	15.4 °C	19.5 °C	+ 4.1 °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 freeboards

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

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Daulatnagar	131
2.	Hafizabad	91
3.	Gujrat	72
4.	Sialkot	70
5.	Mandibahauddin,	51
6.	Mangla	47
7.	Sargodha	42
8.	Rohtas	16
9.	Murree & Faisalabad	14 each
10.	DG Khan	10
11.	Islamabad	09
12.	Marala, Chakwal & Narowal	07 each
<b>B</b>	<b>Sindh</b>	
13.	Karachi	40
14.	Tando Jam	07
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
15.	Balakot & Pashat-Bajaur	34 each
16.	Malam Jabba	29
17.	Dir	28
18.	Shinkiari	14
19.	Bannu & Saidu Sharif	13 each
20.	Kohat	12
21.	Parachinar	10
22.	Mamad Gut & Besham	09 each
23.	Lower Dir	08
24.	Khaar-Bajaur & TirahKhyber	07 each
<b>D</b>	<b>Balochistan</b>	
25.	Quetta	12
26.	Muslim Bagh	10
27.	Ziarat	09
<b>E</b>	<b>AJ&amp;K</b>	
28.	Haraman	103
29.	Kotli	29
30.	Domel	28
31.	Muzaffarabad	26
32.	Palandri	12
33.	Bandi Abbaspur	10

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