



**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
FRIDAY, JULY 29 2022**

Due to release of flood water by India (Chenab at Akhnor) as reported by Office of PCIW, **River Chenab** attained **High Flood** at **Marala**, (first control structure on River Chenab in Pakistan) from 1600 hours to 1900 hours yesterday and at next downstream structure **Khanki** (from 2200 hours yesterday to 0300 hours today). Flood flows at both of these structures have now receded. Presently River Chenab is in **Medium Flood** in **Khanki-Qadirabad** reach with **Low Flood** at **Marala**.

2. Further to above **River Indus** is flowing in **Low Flood** in **Chashma-Taunsa, Taunsa-Guddu** and **Guddu-Sukkur** reaches while **River Kabul** (a tributary of river Indus) is also flowing in **Low Flood** at **Nowshera** (downstream Warsak). Other main rivers (Jhelum, Ravi & Sutlej) are discharging Normal Flows. The inflows/outflows of main rivers at important control structures and major reservoir's water levels & storage position may be seen at **Annexure-I**. Today's Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **6.051 MAF (44.95% of 13.461 MAF)**.

3. Trough of Westerly Wave and Weak Seasonal Low continue to prevail over Northeastern Afghanistan & adjoining areas and Western Balochistan respectively. At the reporting time today "**Light to Moderate**" moist currents from Arabian Sea were penetrating into upper parts of Pakistan upto 5000 feet. (Source: FFD, Lahore).

4. 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, Lahore, Sahiwal & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)** and **Eastern Balochistan** including upper catchments of all the major rivers of Indus River System. For the same time span, isolated thunderstorm/ rain is also expected over rest of the country. Owing to the on-going rain activity in river catchment areas **Low to Medium Level Flooding** is expected in the tributaries/nullahs of Rivers Ravi & Chenab during the next 24 hours. During the past 24 hours Punjab, Khyber Pakhtunkhwa and AJ&K have experienced fairly widespread rains, besides some areas of Balochistan including Karachi (Sindh). **Annexure-II** is referred.

5. As per FFD, Lahore, Weekly Significant Weather Outlook for river catchments (updated on daily basis), scattered thunderstorm/ rain of "**Moderate Intensity**" with "**Isolated Heavy Falls**" is expected over the upper catchments of rivers Jhelum, Chenab, Ravi & Sutlej which may result into sharp peaks of **Medium to High Flood** in **River Jhelum (upstream Mangla)** during the period **30th July to 5th August 2022**.

6. All related organizations, particularly PDMAs, SDMA, GBDMA, related DDMA's, District Administration and local field formations of concerned Irrigation Departments are strictly advised to remain **Fully Alert & 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.

7. Pakistan Meteorological Department (PMD), Islamabad through FFD, Lahore is constantly monitoring the present weather system in the country and is keeping all concerned fully informed.


(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.

Distribution:

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.
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8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
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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.
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20. Chief Secretary, Government of the Punjab, Lahore.
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23. Chief Secretary, Government of Balochistan, Quetta.
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
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28. Commissioner, Rawalpindi.
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30. Secretary, Irrigation Department, Government of Sindh, Karachi.
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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.

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PS to CEA/ CFFC, Islamabad.

Rivers and Reservoir Positions July 29, 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	324,000	145,000	305,000	158,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	223,000	217,000	220,000	217,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	242,000	232,000	316,000	308,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	172,000	152,000	269,000	264,000	Low Flood (R)	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	155,000	113,000	306,000	283,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	108,000	52,000	280,000	251,000	Low Flood (R)	700,000
• Kotri	875,000	981,000	14-8-1956	49,000	10,000	102,000	80,000	Normal	650,000
River Kabul									
• Warsak	540,000				35,000		34,000	Normal	200,000
• Nowshera		450,000	29-07-2010		71,000		68,000	Low Flood (S)	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		19,000		20,000	Normal	150,000
• Munda (H. Works)		355,000	29-07-2010		19,000		18,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		15,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	55,000	9,000	40,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	10,000	NIL	11,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	194,000	171,000	119,000	104,000	Low Flood (F)	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	164,000	158,000	195,000	189,000	Med. Flood (F)	400,000
• Qadirabad	900,000	948,530	11-9-1992	165,000	145,000	210,000	191,000	Med. Flood (R)	400,000
• Trimmu	875,000	943,225	08-7-1959	45,000	29,000	99,000	91,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	39,000	24,000	101,000	99,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		15,000		19,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		32,000		8,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	46,000	18,000	33,000	16,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	25,000	8,000	24,000	23,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	2,000	12,000	5,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	2,000	1,000	10,000	10,000	Normal	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FI-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	1462.58	1507.36	1524.00	5.827	3.608	4.393	75.39 %
Chashma	649.00	638.15	648.80	640.00	639.00	0.278	0.024	0.010	03.60 %
Mangla	1242.00	1050.00	1229.10	1186.15	1146.65	7.356	3.514	1.648	22.40 %
Total Live Storage						13.461	7.146	6.051	44.95 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	38.1 °C	31.7 °C	- 6.4 °C
Minimum	19.5 °C	17.8 °C	- 1.7 °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"

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Okara	79
2.	Kamra	56
3.	Murree	54
4.	Multan	49
5.	Sahiwal	42
6.	Islamabad & Chakwal	41 each
7.	Bhakkar	39
8.	Sialkot	38
9.	Noorpur Thal	35
10.	Shakar Garh	24
11.	Haraman	20
12.	Kotnaina	19
13.	Narowal	18
14.	Ravi Syphon	14
15.	Bahawalpur	10
16.	Faisalabad	09
17.	Jhang	08
B	Sindh	
18.	Karachi	16
C	Khyber Pakhtunkhwa	
19.	Shinkiari	96
20.	Balakot	62
21.	Kakul	57
22.	Buner	44
23.	Mardan & Takht Bai	41 each
24.	Daggar & Oghi	36 each
25.	Malam Jabba	35
26.	Mamad Gut	32
27.	Besham	31
28.	Mohmand Dam & Saidu Sharif	30 each
29.	Risalpur	19
30.	Phulra	17
31.	Khaar-Bajaur	13
D	Balochistan	
32.	Lasbela	33
33.	Ziarat	23
34.	Khuzdar	19
35.	Zhob	10
E	A J & K	
36.	Bandi Abbaspur	75
37.	Palandri	47
38.	Dhulli	36
39.	Chakothi	35
40.	Domel	34
41.	Muzaffarabad	29
42.	Chattar Kallas	20
43.	Garhi Dopatta	16
44.	Rawalakot	11
45.	Kotli	08

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