



**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
SUNDAY SEPTEMBER 25, 2022**

At present, all major rivers i.e. Indus, Jhelum, Chenab, Ravi and Sutlej, of the Indus River System are discharging "**Normal Flows**". Main rivers inflows/outflows at significant important control structures including reservoir storage position and Skardu temperature, as of this morning at 0600 hours may be seen at **Annexure-I**.

Reservoirs Storage Position:

2. **Tarbela Reservoir** Management authorities are maintaining it at its **Maximum Conservation Level (MCL: 1550.00 feet)** since **28th August 2022**. Mangla Reservoir, at present, is at **El: 1191.25 feet** against its MCL of **1242.00 feet**, whereas water level in **Chashma Reservoir** is **648.30 feet** against its MCL of **649.00 feet**. Present Combined Live Storage of **Tarbela, Chashma & Mangla Reservoirs** is **9.872 MAF** (i.e. **73.34 %** of total **13.461 MAF**).

Prevalent Meteorological Situation (Source: FFD, Lahore):

3. **Moderate Moist Currents** from Arabian Sea are penetrating into upper parts of the country upto 7,000 feet. Yesterday's **Low Pressure Area** over Northeastern parts of Rajasthan (India) and adjoining areas today lies over Northern Haryana (India) and its neighbourhood. Yesterday's trough of **Westerly Wave** over Northeastern parts of Afghanistan today lies over Northern parts of Pakistan while weak **Seasonal Low** continues to prevail over Western Balochistan.

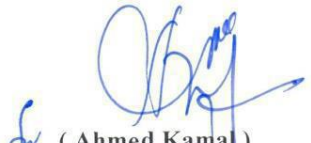
FFD, Lahore Forecast for next 24-48 Hours:

4. Upper catchments of **Eastern Rivers (Sutlej & Ravi)** besides **River Chenab** are expected to experience **Heavy to Very Heavy** rains. FFD, Lahore has accordingly predicted as under: -

- **Widespread Wind Thunderstorm/Rain of Heavy Intensity** with scattered **Very Heavy Falls** are expected over the upper catchment of **River Sutlej**, while there is likelihood of **scattered Wind Thunderstorm/ Rain of Moderate Intensity** with isolated heavy falls over upper catchments of **Rivers Chenab & Ravi** during the next 24 hours.
- The **scattered thunderstorm/rain of moderate intensity** may also occur over **Islamabad and Rawalpindi, Sargodha, Gujranwala, Lahore & Faisalabad Divisions of Punjab** and **Peshawar, Kohat, Bannu, D.I. Khan Divisions of Khyber Pakhtunkhwa** including upper catchments of **Rivers Indus & Jhelum** during the same 24 hours. Significant rainfall events reported by FFD, Lahore during past 24 hours may be seen at **Annexure-II**.
- **Tributaries/ Local Nullahs of River Ravi** may experience **Medium to High level Flooding** during the **next 48 hours**. FFD Lahore has also predicted that flows in **Rivers Sutlej & Ravi** will depend upon the releases of water from India.

5. Keeping in view the forecast issued by FFD, Lahore, Office of Pakistan Commissioner for Indus Water (O/o PCIW) is to ensure availability of latest Flood/ Base Flow Data on Indian Structures/ Reservoirs on Rivers Ravi, Sutlej, Beas and Chenab presently close to their respective Maximum Conservation Levels (MCLs) and "Supply of Advance Flood Information" to all concerned especially to FFD, Lahore, for timely issuance of "Significant Flood Forecast", if the situation so demands, so that all related disaster management organizations including PID, Punjab, can take timely pre-emptive measures.

6. All concerned organizations including **PDMAs/DDMAs** are advised to remain **Alert & Vigilant** for required timely actions on warnings issued by the concerned organizations.
7. Pakistan Meteorological Department (PMD) is closely monitoring the present weather system and is keeping all concerned fully informed 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, 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), 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 25-09-2022**

Copy for information to:

PS to CEA/ CFFC, Islamabad

Rivers and Reservoir Positions September 25, 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	81,000	87,000	82,000	80,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	138,000	130,000	85,000	77,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	141,000	119,000	110,000	89,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	121,000	100,000	97,000	72,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	118,000	85,000	83,000	68,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	77,000	26,000	71,000	61,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	19,000	1,000	218,000	186,000	Normal	650,000
River Kabul									
• Warsak	540,000				16,000		13,000	Normal	200,000
• Nowshera		450,000	29-07-2010		17,000		21,000	Normal	200,000
River Swat									
• Chakdara Bridge		360,000	30-07-2010		7,000		6,000	Normal	150,000
• Munda(H. Works)		355,000	29-07-2010		2,000		6,000	Normal	150,000
• Charsadda Road	150,000	360,000	30-07-2010		2,000		6,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	17,000	16,000	12,000	26,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	26,000	5,000	19,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	34,000	9,000	25,000	4,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	9,000	2,000	8,000	NIL	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	23,000	6,000	19,000	NIL	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	30,000	14,000	20,000	3,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	20,000	5,000	13,000	NIL	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		5,000		6,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		22,000		12,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	14,000	30,000	NIL	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	26,000	8,000	16,000	NIL	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	15,000	3,000	15,000	2,000	Normal	175,000
• Islam	300,000	492,581	11-10-1955	3,000	2,000	1,000	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	9	10
Tarbela	1550.00	1398.00	1548.65	1518.11	1550.00	5.827	4.142	5.827	100 %
Chashma	649.00	638.15	646.30	646.80	648.30	0.278	0.179	0.242	87.05 %
Mangla	1242.00	1050.00	1234.20	1189.15	1191.25	7.356	3.681	3.803	51.70 %
Total Live Storage						13.461	8.002	9.872	73.34 %

C. Skardu Temperature:

Skardu Temperature	Last year 2021	Today 2022	Difference (+ / -)
Maximum	26.8 °C	29.0 °C	+ 2.2 °C
Minimum	9.5 °C	16.4 °C	+ 6.9 °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"

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SUNDAY, SEPTEMBER 25, 2022**

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Islamabad	[Saidpur=43, Zeropoint=34, Golra=31, Chaklala (Airbase) & Shamsabad=23 (each & Bokra=20)]
2.	Narowal	30
3.	Kallar	18
4.	Joharabad	16
5.	Sargodha (Airbase) & Kotnaina	12 (each)
6.	Murree	10
7.	Mianwali (Airbase)	09
8.	Haraman	08
9.	Dhok Pathan	06
B	Khyber Pakhtunkhwa	
10.	Pashat Bajur	52
11.	Khaar-Bajaur	29
12.	Malam Jabba	24
13.	Balakot	25
14.	Shinkiari	13
15.	Saidu Sharif	12
16.	Kakul	10
17.	Buner & Daggar (Airbase)	09 (each)
18.	Lower Dir	08
C	AJ&K	
19.	Palandri	50
20.	Kotli	26
21.	Muzaffarabad	(Airport=23 & City=20)
22.	Domel & Dhulli	23(each)
23.	Bandi Abbaspur	16
24.	Hajira & Garhi Dopatta	15 (each)
25.	Rawalakot	11
Source: FFD, Lahore (Phone No. 042 99200139)		