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
WEDNESDAY, SEPTEMBER 18, 2024

All major rivers in the Indus River System, including the Indus, Jhelum, Chenab, Ravi and Sutlej, are currently flowing in "Normal Flow Conditions". Combined live storage of country's key reservoirs (Tarbela, Chashma and Mangla) stands at **11.698 MAF,** which is **87.60%** of the total available capacity of **13.354 MAF**. For detailed information on inflows and outflows of the major rivers at specific control structures and reservoir storage levels, **Annexure-I** is referred.

2. According to the FFD Lahore, yesterday's **Depression** has moved in westwards direction and weakened into Well-Marked-Low and today lies over northeast Madhya Pradesh (India). Trough of Westerly Wave earlier over northern parts of Pakistan has moved away in eastwards direction while mild moist currents from Bay of Bengal are penetrating into upper catchments of rivers Sutlej, Ravi and Chenab up to 5000 feet.

3. For the ensuing 24 hours, FFD, Lahore has predicted mainly dry weather over most parts of the country. Nonetheless, isolated thunderstorm rain of light intensity may occur over Gujranwala & Bahawalpur Divisions of Punjab including upper catchments of all major rivers of IRS. No Significant rainfall event has been reported during the past 24 hours.

4. No significant change is expected in the prevailing weather system during the next 48 hours, however, scattered thunderstorm rain may occur over the upper catchments of rivers Sutlej, Ravi and Chenab up to 20th September 2024 **(Source: FFD, Lahore).**

5. Pakistan Meteorological Department, Islamabad is closely monitoring the prevailing weather system through its specialized Flood Forecasting Unit (FFD, Lahore) and is keeping all concerned organizations fully cognizant of the situation.

(Ather Hameed)
Engineering Advisor (Civil)
For, Chairman, Federal Flood Commission

Distribution:

1. Chairman, Senate Standing Committee on Water Resources, Parliament House, Islamabad
2. Minister for Water Resources, Islamabad.
3. Minister for Planning, Development & Special Initiatives, Islamabad.
4. Minister for Climate Change & Environmental Coordination, Islamabad.
5. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
6. Secretary, Ministry of Water Resources, Islamabad.
7. Secretary, Ministry of Planning, Development & Special Initiatives, Islamabad.
8. Secretary, Ministry of Climate Change & Environmental Coordination, Islamabad.
9. Secretary, Ministry of National Food Security & Research, Islamabad.
10. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.

Distribution:

11. Secretary, Senate Standing Committee on Water Resources, Parliament House, Islamabad.
12. Chairman, National Disaster Management Authority, Islamabad.
13. Chairman, WAPDA, WAPDA House, Lahore.
14. Chairman, Indus River System Authority, Islamabad.
15. Pakistan Commissioner for Indus Waters, Islamabad.
16. Chief Executive Officer, Pakistan Railways, Lahore.
17. Chairman, National Highway Authority, Islamabad.
18. Director General, Pakistan Meteorological Department, Islamabad.
19. Member (Water), WAPDA, WAPDA House, Lahore.
20. Member (Infrastructure), Planning Commission, Islamabad.
21. Chief Secretary, Government of the Punjab, Lahore.
22. Chief Secretary, Government of Sindh, Karachi.
23. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
24. Chief Secretary, Government of Balochistan, Quetta.
25. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
26. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
27. Secretary, Irrigation Department, Government of the Punjab, Lahore.
28. Secretary, Irrigation Department, Government of Sindh, Karachi
29. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar
30. Secretary, Irrigation Department, Government of Balochistan, Quetta.
31. Secretary, Irrigation and Water Management, Government of Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Govt. of Khyber Pakhtunkhwa, Peshawar.
34. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
35. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
36. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
37. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of KP, Peshawar.
40. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
41. Director General, Gilgit Baltistan Disaster Management Authority, Gilgit.
42. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
43. Chief Commissioner, ICT, Islamabad.
44. Chairman, Capital Development Authority, Islamabad.
45. Commissioner, Rawalpindi.
46. Managing Director, WASA, Rawalpindi.
47. Principal Information Officer, Press Information Department, Islamabad.
48. Director (News), Associated Press of Pakistan, Islamabad.
49. Director (News), Pakistan Television, Islamabad.
50. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
51. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2024, dated 18-09-2024

Rivers and Reservoir Positions
September 18, 2024 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	147,000	125,000	80,000	79,000	Normal	650,000
• Kalabagh	950,000	950,000	14-7-1942	140,000	132,000	120,000	113,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	149,000	145,000	150,000	145,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	133,000	115,000	132,000	107,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	122,000	95,000	122,000	91,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	88,000	38,000	93,000	48,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	45,000	4,000	92,000	66,000	Normal	650,000
River Kabul									
• Warsak	540,000				19,000		15,000	Normal	200,000
• Nowshera					27,000		23,000	Normal	200,000
River Swat									
• Chakdara Bridge					4,000		5,000	Normal	150,000
• Munda(H. Works)					4,000		2,000	Normal	150,000
• Charsadda Road	150,000				3,000		2,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	16,000	40,000	17,000	40,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	28,000	8,000	39,000	20,000	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	53,000	22,000	27,000	5,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	19,000	11,000	12,000	5,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	37,000	15,000	23,000	4,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	44,000	32,000	18,000	4,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	18,000	1,000	25,000	10,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		6,000		2,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		29,000		14,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	15,000	33,000	13,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	24,000	6,000	22,000	6,000	Normal	90,000
River Sutlej									
• Suleimanki	325,000	598,872	08-10-1955	20,000	8,000	10,000	2,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	1,000	NIL	2,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1550.00	1547.59	1543.12	5.766	5.671	5.371	93.15 %
Chashma	649.00	638.15	648.60	642.40	648.40	0.311	0.068	0.280	90.03 %
Mangla	1242.00	1050.00	1193.00	1234.80	1226.05	7.277	6.790	6.047	83.10 %
					Total Live Storage	13.354	12.529	11.698	87.60 %

C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference (+ /-)
Maximum	30.6 °C	26.4 °C	- 4.2 °C
Minimum	16.4 °C	8.0 °C	- 8.4 °C

NOTE-1: "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

NOTE-2: "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

NOTE-3: * **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.

NOTE-4: Maximum Live Storage Capacity has increased from 13.321 MAF to 13.354 MAF due to de-silting of Chashma Barrage causing increase in its Live Storage Capacity from 0.278 MAF to 0.311 MAF.