



**FEDERAL FLOOD COMMISSION'S  
DAILY WEATHER & FLOOD SITUATION REPORT  
WEDNESDAY, AUGUST 28, 2024**

At present, River Indus is experiencing “**Medium Flood**” at Kotri barrage and “**Low Flood**” at Tarbela and in Guddu-Sukkur reach. Other major rivers in the Indus River System i.e. Jhelum, Chenab, Ravi and Sutlej are discharging normal flows. **Annexure-I** provides detailed information on the rivers flow situation and reservoir storage levels as of 0600 hours today.

2. Tarbela Reservoir is being maintained at its Maximum Conservation Level of **1550.00 feet** since **August 19, 2024**. At present, water level in Mangla Reservoir is **1217.50 feet** against its MCL: **1242 feet** (25.42 % storage still left). Present Combined Live Storage of Tarbela, Chashma & Mangla Reservoirs is **11.484 MAF** (86 % of the total live storage capacity of **13.354 MAF**). WAPDA Authorities and field formations of Punjab & Sindh Irrigation Departments are exercising utmost care and strict vigilance in the reservoir/ barrage operation for effective flood routing and for the overall protection of flood embankments.

3. According to FFD, Lahore, yesterday's **DEEP DEPRESSION** over North Gujrat (India) has shifted and now lies over Northwestern Gujrat (India) and adjoining Southeastern Sindh (Pakistan). Meanwhile, the low-pressure area earlier over Jharkhand (India) has weakened into trough. Yesterday's trough of Westerly Wave over Northeastern Afghanistan today lies over Northern Pakistan with Seasonal Low persisting over Northwestern Balochistan. At the reporting time today, light to moderate moist currents from the Bay of Bengal were penetrating into upper catchments of all major rivers while strong moist currents from both the Bay of Bengal and Arabian Sea were penetrating into Southern Sindh and adjoining areas up to 10,000 feet.

**NEXT THREE (03) DAYS FORECAST**

4. For the next 72 hours, FFD, Lahore has predicted, scattered thunderstorm rain of **Moderate Intensity** with isolated **Heavy Falls** over **Islamabad, Punjab (Rawalpindi, Sargodha, Gujranwala, Lahore, Faisalabad & Sahiwal Divisions) and Khyber Pakhtunkhwa** including upper catchments of all major rivers of IRS. Widespread thunderstorm rain of **Heavy to Very Heavy** intensity with isolated **Extremely Heavy Falls** may occur over **Southern Punjab (D.G.Khan, Multan & Bahawalpur Divisions), Sindh and Balochistan (Zhob, Loralai, Sibbi, Nasirabad, Kalat & Makran Divisions)** up to **31<sup>st</sup> August 2024**.

5. Significant rainfall events reported during the past 24 hours may be seen at **Annexure-II**.

**NEXT SEVEN (07) DAYS FORECAST**

6. For the extended period from 29<sup>th</sup> August to 4<sup>th</sup> September, 2024, wet spell is expected to persist over the lower half of Pakistan with the same intensity until **31<sup>st</sup> August 2024**. However, monsoon activity is likely to decrease in the upper half of Pakistan starting from 30<sup>th</sup> August 2024. As a result, there is a likelihood of following Flood Situation up to **31<sup>st</sup> August 2024**:

- **Severe Flash Flooding** is expected in areas along the **Kirthar Range** (including **Jacobabad, Qambar Shahdadt, Dadu & Jamshoro Districts** in Sindh) and the **Sulaiman Range** (covering **D.G.Khan & Rajanpur Districts** in Punjab) including nullahs in **Balochistan (Zhob, Loralai, Sibbi, Nasirabad and Kalat Divisions)**.
- **Urban flooding** is anticipated in major cities of **Sindh**.

7. All concerned organizations especially PDMA's and Provincial Irrigation Departments are advised to remain on **Alert** and **Vigilant**, take prompt action in response to warnings issued by relevant authorities. This is crucial to ensure the safety of communities in low-lying areas and to implement all necessary pre-emptive measures to protect public and private properties, as well as irrigation and drainage network and flood protection infrastructures.

8. Round-the-Clock monitoring of the prevailing weather conditions, particularly the **DEEP DEPRESSION** (lying over Northwestern Gujrat, India & adjoining Southeastern Sindh, Pakistan), its further movement and potential impacts is being done by Pakistan Meteorological Department (PMD), through FFD, Lahore and is keeping all relevant organizations fully cognizant of the situation.



(Dr. M. Ejaz Tanveer)  
Chief Engineer (Floods)

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, Planning, Development & Special Initiatives Division, 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.
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. Chief Executive Officer, Pakistan Railways, Lahore.
15. Chairman, Indus River System Authority, Islamabad.
16. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
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, Gilgit-Baltistan, Gilgit.
32. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
33. Chief Engineer (Merged Areas), Irrigation Department, Government of K.P, 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.

**Distribution:**

38. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
39. Director General, Provincial Disaster Management Authority, Government of K.P, 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 28-08-2024**

## Rivers and Reservoir Positions August 28, 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
<b>River Indus</b>									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	171,000	256,000	175,000	256,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	192,000	184,000	236,000	230,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	255,000	237,000	213,000	192,000	Normal	650,000
• Taunsa	1,000,000	959,991	02-8-2010	282,000	259,000	179,000	164,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	267,000	235,000	278,000	278,000	Low Flood (F)	700,000
• Sukkur	900,000	1,161,000	16-8-1976	205,000	152,000	311,000	307,000	Low Flood (F)	700,000
• Kotri	875,000	981,000	14-8-1956	154,000	113,000	322,000	321,000	Med Flood (R)	650,000
<b>River Kabul</b>									
• Warsak	540,000				21,000		20,000	Normal	200,000
• Nowshera					30,000		35,000	Normal	200,000
<b>River Swat</b>									
• Chakdara Bridge					8,000		6,000	Normal	150,000
• Munda (H. Works)					8,000		5,000	Normal	150,000
• Charsadda Road	150,000				7,000		5,000	Normal	100,000
<b>River Jhelum</b>									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	22,000	22,000	35,000	8,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	8,000	5,000	15,000	12,000	Normal	225,000
<b>River Chenab</b>									
• Marala	1,100,000	1,100,000	26-8-1957	46,000	22,000	61,000	33,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	33,000	25,000	46,000	33,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	25,000	15,000	37,000	19,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	83,000	74,000	34,000	23,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	85,000	69,000	55,000	50,000	Normal	450,000
<b>River Ravi</b>									
• Jassar	275,000	680,000	05-10-1955		7,000		7,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		25,000		15,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	37,000	14,000	40,000	20,000	Normal	135,000
• Sidhnai	150,000	330,210	02-10-1988	28,000	10,000	21,000	14,000	Normal	90,000
<b>River Sutlej</b>									
• Suleimanki	325,000	598,872	08-10-1955	108,000	95,000	17,000	12,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	94,000	94,000	7,000	7,000	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)
			2022	2023	2024	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1550.00	1550.00	1550.00	5.766	5.809	5.766	100 %
Chashma	649.00	638.15	640.30	648.80	648.60	0.311	0.268	0.291	93.57 %
Mangla	1242.00	1050.00	1183.25	1241.95	1217.50	7.277	7.352	5.427	74.58 %
<b>Total Live Storage</b>						<b>13.354</b>	<b>13.429</b>	<b>11.484</b>	<b>86 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2023	Today 2024	Difference ( + / - )
Maximum	25.0 °C	30.6 °C	+ 5.6 °C
Minimum	12.2 °C	18.2 °C	+ 6.0 °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.

Government of Pakistan  
Ministry of Water Resources  
Office of Chief Engineering Adviser/  
Chairman, Federal Flood Commission  
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**WEDNESDAY AUGUST 28, 2024**

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

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Multan	235
2.	Shorkot	58
3.	Khanpur & Khanewal	48 each
4.	Chakwal	45
5.	Bahawalnagar	44
6.	Kot Addu	42
7.	Bhakkar & Layyah	35 each
8.	Sahiwal	33
9.	Mianwali	32
10.	Bahawalpur	30
11.	Bhandu Wala	28
12.	Kasur, Kallar & Okara	24 each
13.	T.T. Singh & Murree	21 each
14.	Faisalabad & Islamabad	20 each
15.	D.G Khan	18
<b>B</b>	<b>Sindh</b>	
16.	Mithi	71
17.	Karachi	62
18.	Badin	46
19.	Thatta	43
20.	Tando Jam	26
21.	Chhor & Sakrand	23 each
22.	Mirpur Khas	20
23.	Hyderabad & Shaheed Benazirabad	18 each
<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
24.	Parachinar	26
25.	D.I.Khan	25
26.	Shinkiari	15
27.	Phulra	14
28.	Oghi	11
<b>D</b>	<b>Gilgit-Baltistan</b>	
29.	Shardu	05
<b>E</b>	<b>AJ&amp;K</b>	
30.	Palandri	74
31.	Muzaffarabad	40
32.	Domel	30
33.	Rawalakot	17
34.	Bamala	11
35.	Chakothei	10

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