



**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

**DAILY WEATHER & FLOOD SITUATION REPORT**  
**SUNDAY JULY 18, 2021**

All main rivers (Indus, Jhelum, Chenab, Ravi and Sutlej) are flowing normal. **Annexure-I** depicts actual river flows at important control structures, reservoir elevations and their live storage, besides, today's temperature at Skardu. The today's Combined Live Storage capacity of Tarbela, Mangla & Chashma reservoirs is **4.282 MAF** which is **31.68%** of the existing Combined Live Storage Capacity of **13.516 MAF**.

2. Yesterday's trough of strong Westerly Wave over Northern parts of Afghanistan today lies over Northeastern parts of Afghanistan whereas weak Seasonal Low lies over Northeastern Balochistan. Mild moist current from Arabian Sea is penetrating into upper parts of the country upto 5000 feet, which is very likely to become strong.

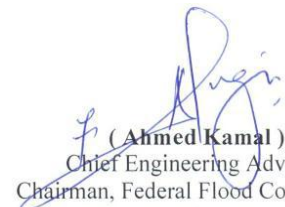
3. According to FFD, Lahore, isolated thunderstorm/rain is expected over Punjab (Gujranwala Division) and Balochistan (Kalat Division) including upper catchments of all the main rivers during the next 24 hours. No significant rainfall event has been reported by FFD, Lahore during the past 24 hours.

4. **Significant Weather/ Rainfall and Flood Forecast for next 3 days (19<sup>th</sup> to 21<sup>st</sup> July 2021):**

Fairly widespread thunderstorm/rain with **Heavy Fall** at scattered places, **Very Heavy Falls** at isolated places and **Extremely Heavy Falls** at one or two places have been predicted by FFD, Lahore, over the upper catchments of rivers Indus, Kabul, Jhelum and Chenab including Khyber Pakhtunkhwa, Northern & Northeastern Punjab from **19<sup>th</sup> to 21<sup>st</sup> July, 2021**. Scattered thunderstorm/rain may also occur over upper catchments of Rivers Ravi, Sutlej and Beas during the same period. As a result, **Medium to High Flood** flow is expected in rivers Indus, Kabul and their tributaries/nullahs and Hill Torrents of D.G. Khan Division, besides, Medium to High Flood in tributaries (local nullahs) of river Ravi from **20<sup>th</sup> July, 2021**. **High to Very High Flood** is also expected in river Jhelum (upstream Mangla reservoir) and river Chenab including its tributaries (local nullahs) during the same period.

5. **All concerned authorities are advised to remain ALERT, monitor the weather and flood situation critically and ensure fool proof precautionary measures well in time so as to avoid any loss of precious human lives and damage to public & private properties.**

6. Round-the-Clock monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) with specific reference to its impact over Pakistan and all concerned are being kept fully abreast of the situation 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. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.

## **Distribution:**

4. Secretary, Ministry of Water Resources, Islamabad.
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6. Director General (Coordination), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
7. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad
8. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.
9. Chief Executive Officer, Pakistan Railways, Lahore
10. Member (Infrastructure), Planning Commission, Islamabad.
11. Pakistan Commissioner for Indus Waters (PCIW), Islamabad
12. Chairman, WAPDA, WAPDA House, Lahore.
13. Chairman, National Highway Authority, Islamabad.
14. Chairman, Indus River System Authority, Islamabad.
15. Member (Water), WAPDA, WAPDA House, Lahore.
16. Director General, Pakistan Meteorological Department, Islamabad.
17. Chief Secretary, Government of the Punjab, Lahore.
18. Chief Secretary, Government of Sindh, Karachi.
19. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
20. Chief Secretary, Government of Balochistan, Quetta.
21. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
22. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
23. Chief Commissioner, Islamabad.
24. Secretary, Irrigation Department, Government of the Punjab, Lahore.
25. Secretary, Irrigation Department, Government of Sindh, Karachi.
26. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
27. Secretary, Irrigation Department, Government of Balochistan, Quetta.
28. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
29. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
30. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
31. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
32. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
33. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
34. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
35. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
36. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
37. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
38. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
39. Principal Information Officer, Press Information Department, Islamabad.
40. Director (News), Associated Press of Pakistan, Islamabad.
41. Director (News), Pakistan Television, Islamabad.
42. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi
43. PS to CEA/CFFC Islamabad.

U.O. No. FC-I (31)/2021, dated 18-07-2021

## Rivers and Reservoir Positions July 18, 2021 at 0600 Hours

### A. River Flow Situation:

Structures	Designed Capacity	Last Year Flow		Today Actual Flow		Comparative Danger (VHF) Classification	Flood Classification* (Based on today's Outflow)
		Inflow	Out Flow	In Flow	Out Flow		
1	2	3	4	5	6	7	8
<b>River Indus</b>							
▪ Tarbela Reservoir	1,500,000	171,000	152,000	183,000	141,000	650,000	Normal
▪ Kalabagh	950,000	225,000	217,000	197,000	191,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	220,000	227,000	207,000	650,000	Normal
▪ Taunsa	1,000,000	224,000	200,000	186,000	162,000	650,000	Normal
▪ Guddu	1,200,000	182,000	150,000	137,000	95,000	700,000	Normal
▪ Sukkur	900,000	128,000	70,000	86,000	36,000	700,000	Normal
▪ Kotri	875,000	51,000	18,000	25,000	NIL	650,000	Normal
<b>River Kabul</b>							
▪ Warsak	540,000		33,000		39,000	200,000	Normal
▪ Nowshera			49,000		46,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>							
▪ Chakdara Bridge			16,000		15,000	150,000	Normal
▪ Munda Head Works	150,000		18,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			11,000		8,000	100,000	Normal
<b>River Jhelum</b>							
▪ Mangla Reservoir	1,060,000	34,000	23,000	40,000	8,000	225,000	Normal
▪ Rasul	850,000	20,000	12,000	7,000	NIL	225,000	Normal
<b>River Chenab</b>							
▪ Marala	1,100,000	63,000	30,000	80,000	47,000	400,000	Normal
▪ Khanki	1,100,000	23,000	15,000	31,000	24,000	400,000	Normal
▪ Qadirabad	900,000	30,000	8,000	26,000	6,000	400,000	Normal
▪ Trimmu	875,000	23,000	8,000	36,000	19,000	450,000	Normal
▪ Panjnad	865,000	15,000	NIL	12,000	NIL	450,000	Normal
<b>River Ravi</b>							
▪ Jassar	275,000		13,000		6,000	150,000	Normal
▪ Shahdara	250,000		26,000		24,000	135,000	Normal
▪ Balloki	380,000	46,000	14,000	37,000	8,000	135,000	Normal
▪ Sidhnai	150,000	23,000	8,000	22,000	5,000	90,000	Normal
<b>River Sutlej</b>							
▪ Suleimanki	325,000	21,000	9,000	15,000	3,000	175,000	Normal
▪ Islam	300,000	7,000	5,000	1,000	NIL	175,000	Normal

### 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)
			2019	2020	2021	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1392.00	1486.90	1455.10	1460.44	5.882	1.406	1.553	26.40 %
Chashma	649.00	638.15	644.60	646.00	647.60	0.278	0.186	0.211	75.90 %
Mangla	1242.00	1050.00	1169.00	1226.20	1166.90	7.356	6.137	2.518	34.23 %
<b>Total Live Storage</b>						<b>13.516</b>	<b>7.729</b>	<b>4.282</b>	<b>31.68 %</b>

### C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	28.8 °C	36.0 °C
Minimum	17.3 °C	16.1 °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 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: (applied on downstream discharge/Outflow)

\* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"