



**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 SEPTEMBER 12, 2021**

At present, there is no riverine flood situation in the country and all main rivers of the Indus River System are flowing with "Normal Discharges". Today's inflows/outflows of major rivers at important control structures & storage position of major reservoirs at 0600 hours alongwith Skardu temperature may be seen at **Annexure-I**. The present Combined Live Storage of Tarbela, Chashma & Mangla reservoirs is **8.895 MAF (65.81%** of the total Combined Live Storage Capacity of **13.516 MAF)**.

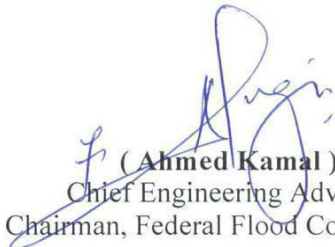
2. Yesterday's **Monsoon Low** continues to prevail over Eastern Rajasthan (India) while another **Monsoon Low** earlier over Northwestern Bay of Bengal remained stationary and has intensified into **Well Marked Low**. Moist currents of moderate intensity from Arabian Sea and Bay of Bengal are penetrating into the Central and Southern parts of Pakistan up to 5000 feet. Yesterday's trough of Westerly Wave over Northern parts of the country today lies over Kashmir and adjoining areas with Seasonal Low continues to persist over Northern Balochistan.

3. Under the influence of prevailing weather conditions, scattered thunderstorm/rain of **Light to Moderate Intensity** is expected over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad & D.G. Khan Divisions), Khyber Pakhtunkhwa (Peshawar, Kohat, Bannu & D.I. Khan Divisions)**, Southeastern Sindh and Eastern Balochistan, besides, upper catchments of all main rivers during the next 24 hours. Isolated thunderstorm/rain may also occur over **Sahiwal, Multan & Bahawalpur Divisions of Punjab Province** during the same period. Significant rainfall recorded in various parts of the country during the last 24 hours may be seen at **Annexure-II**.

Cloud Burst Incident in Jhelum Valley, AJ&K:

4. According to State Disaster Management Authority (SDMA), AJ&K, a **Cloud Burst** struck the Shamsa Bari Mountain on September 10, 2021 (evening) which caused flash flooding in local nullah near Nokot Village, Tehsil Leepa, District Jhelum Valley, AJ&K. SDMA, Government of AJ&K has reported 9 deaths, 4 injured and damages caused to over 56 houses and 14 shops. Detailed damages assessment is underway. The concerned District Administration, SDMA alongwith Pak Army are busy in relief activities.

5. Effective and Round-the-Clock monitoring of existing meteorological conditions over Pakistan is being done by Pakistan Meteorological Department and keeping all concerned fully abreast of the situation through its Flood Forecasting Division at 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 Information & Broadcasting, Islamabad.
4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.
5. Secretary, Ministry of Water Resources, Islamabad.

Distribution:

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

U.O. No. FC-I (31)/2021, dated 12-09-2021

Rivers and Reservoir Positions September 12, 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
River Indus							
▪ <i>Tarbela Reservoir</i>	1,500,000	111,000	99,000	149,000	109,000	650,000	Normal
▪ <i>Kalabagh</i>	950,000	155,000	150,000	158,000	151,000	650,000	Normal
▪ <i>Chashma Reservoir</i>	950,000	142,000	129,000	172,000	153,000	650,000	Normal
▪ <i>Taunsa</i>	1,000,000	151,000	140,000	159,000	140,000	650,000	Normal
▪ <i>Guddu</i>	1,200,000	384,000	351,000	132,000	101,000	700,000	Normal
▪ <i>Sukkur</i>	900,000	483,000	440,000	92,000	35,000	700,000	Normal
▪ <i>Kotri</i>	875,000	230,000	220,000	29,000	4,000	650,000	Normal
River Kabul							
▪ <i>Warsak</i>	540,000		14,000		21,000	200,000	Normal
▪ <i>Nowshera</i>			25,000		23,000	200,000	Normal
River Swat (Tributary of Kabul)							
▪ <i>Chakdara Bridge</i>			7,000		18,000	150,000	Normal
▪ <i>Munda Head Works</i>	150,000		9,000		8,000	150,000	Normal
▪ <i>Charsadda Road Bridge</i>			7,000		3,000	100,000	Normal
River Jhelum							
▪ <i>Mangla Reservoir</i>	1,060,000	30,000	29,000	16,000	20,000	225,000	Normal
▪ <i>Rasul</i>	850,000	30,000	15,000	33,000	16,000	225,000	Normal
River Chenab							
▪ <i>Marala</i>	1,100,000	46,000	17,000	63,000	34,000	400,000	Normal
▪ <i>Khanki</i>	1,100,000	20,000	13,000	20,000	13,000	400,000	Normal
▪ <i>Qadirabad</i>	900,000	22,000	NIL	33,000	11,000	400,000	Normal
▪ <i>Trimmu</i>	875,000	93,000	79,000	35,000	18,000	450,000	Normal
▪ <i>Panjnad</i>	865,000	109,000	94,000	13,000	NIL	450,000	Normal
River Ravi							
▪ <i>Jassar</i>	275,000		5,000		8,000	150,000	Normal
▪ <i>Shahdara</i>	250,000		18,000		21,000	135,000	Normal
▪ <i>Balloki</i>	380,000	37,000	7,000	56,000	30,000	135,000	Normal
▪ <i>Sidhnai</i>	150,000	22,000	5,000	14,000	NIL	90,000	Normal
River Sutlej							
▪ <i>Suleimanki</i>	325,000	17,000	3,000	17,000	5,000	175,000	Normal
▪ <i>Islam</i>	332,000	8,000	7,000	1,000	NIL	175,000	Normal

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (FL-AMSL)	Minimum Operating Level (FL-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	1549.24	1550.00	1531.87	5.882	5.980	4.865	82.71 %
Chashma	649.00	638.15	647.40	648.90	647.20	0.278	0.273	0.194	69.78 %
Mangla	1242.00	1050.00	1222.65	1242.00	1191.80	7.356	7.356	3.836	52.15 %
Total Live Storage						13.516	13.609	8.895	65.81 %

C. Skardu Temperature:

Skardu Temperature	Last year 2020	Today 2021
Maximum	27.2 °C	24.4 °C
Minimum	11.7 °C	14.6 °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)

* (↑) Signifies "Rising" Flood, (↓) Signifies "Falling" Flood, (→) Signifies "Stable" Flow Condition & NR stands for "Not Received"

Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission
DAILY WEATHER AND FLOOD SITUATION REPORT
SUNDAY SEPTEMBER 12, 2021

Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Kasur	73
2.	Ganda Sing Wala	62
3.	Lahore	56
4.	Rohtas	37
5.	Mangla	34
6.	Narowal	30
7.	Jhelum	22
8.	Ravi Syphon	18
9.	Mandi Bahauddin	17
B	Khyber Pakhtunkhwa	
10.	Balakot	50
11.	Malam Jabba	45
12.	Oghi	44
13.	Kakul	42
14.	Buner & Daggar	26 each
15.	Saidu Sharif	21
16.	Shinkiari	20
17.	Lower Dir	16
18.	Kohat Airbase	14
C	AJ&K	
19.	Brarkot	83
20.	Domel	58
21.	Muzaffarabad	34
22.	Nauseri	33
23.	Haraman	28
24.	Chakothe	24
25.	Deolian	23
26.	Chattar Kallas	21
27.	Palandri	20
28.	Tandali	16
29.	Hajira	14
30.	Garhi Dopatta	13
31.	Bandi Abbaspur & Kotli	10 each

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