



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 06, 2020

Only River Indus at present is experiencing **Medium Flood** in "**Taunsa-Guddu**" & "**Guddu-Sukkur**" Reaches. Besides, it is flowing in **Low Flood** in "**Kalabagh-Chashma Reach**". Rest of the main rivers (**Jhelum, Chenab, Ravi and Sutlej including River Indus at Tarbela & Kotri**) are discharging normal flows. Discharges (inflows/outflows) of main rivers at important control structures alongwith water levels and storage position of major reservoirs (**Tarbela, Mangla & Chashma**) as of 0600 hours today have been indicated at **Annexure-I**.

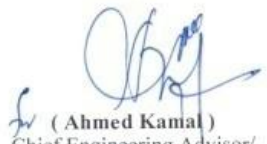
2. **Tarbela and Mangla Reservoirs** continue to maintain their respective Maximum Conservation Levels (MCLs) of **1550.00 feet** and **1242.00 feet**. **The dam operating authorities alongwith Mangla Dam FMC are exercising utmost care and vigilance in reservoir's operation by strictly following SOPs and associated Dam Safety Guidelines.**

3. A fresh trough of shallow **Westerly Wave** has developed and presently lies over Northern parts of Pakistan. Weak **Seasonal Low** continues to prevail over Northeastern Balochistan with weak **moist currents** from Arabian Sea & Bay of Bengal are penetrating into upper parts of Pakistan upto 3000 feet.

4. For the ensuing 24 hours, FFD, Lahore, has predicted isolated thunderstorm/rain over Punjab (**Rawalpindi, Gujranwala, Lahore & Bahawalpur Divisions**), Khyber Pakhtunkhwa (**Malakand, Hazara, Peshawar, Kohat & Bannu Divisions**) including upper catchments of all the major rivers. No significant rainfall events have been reported during the past 24 hours except for Okara=25 mm, Malam Jabba=20 mm, Lahore & Nauseri=18 mm each, Bahawalnagar=16 mm & Mirkhani=12 mm.

5. According to FFD, Lahore, **River Indus** at **Guddu** is likely to attain **High Flood Level** during **08th to 09th September 2020** and at **Sukkur** during **09th to 10th September 2020**. Under this scenario Low-lying/Kacha areas of Sindh are likely to be **inundated**. **All concerned authorities (PDMA Sindh, DDMA, Provincial Irrigation Department, Government of Sindh including Districts Administration) are advised to remain Fully Alert and take all necessary precautionary measures, so as to save the communities of low lying areas, public & private property, irrigation, drainage & flood protection infrastructure etc in case of any inundation.**

6. Pakistan Meteorological Department (PMD) is monitoring the prevailing weather conditions on Round-the-Clock basis and keeping all concerned fully abreast of the situation through its main flood forecasting centre (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.

4. Secretary, Ministry of Water Resources, Islamabad.
5. Secretary, Ministry of Climate Change, Islamabad.
6. Director General (Coordination-III), 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. Project Director/Chief Engineer, 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.

U.O. No.FC-I (31)/2020, dated 06-09-2020

**Discharges at Important River Sites
September 06, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Flood Classification*
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	190,000	156,000	650,000	Normal
▪ Kalabagh	950,000	299,000	297,000	650,000	Low Flood (F)
▪ Chashma Reservoir	1,000,000	361,000	358,000	650,000	Low Flood (F)
▪ Taunsa [^]	1,000,000	465,000	465,000	650,000	Medium Flood (R)
▪ Guddu	1,200,000	467,000	453,000	700,000	Medium Flood (R)
▪ Sukkur ^{^^}	900,000	398,000	373,000	700,000	Medium Flood (R)
▪ Kotri	875,000	178,000	176,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		24,000	200,000	Normal
▪ Nowshera			56,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			15,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		24,000	150,000	Normal
▪ Charsadda Road Bridge			22,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	36,000	32,000	225,000	Normal
▪ Rasul	850,000	49,000	49,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	58,000	46,000	400,000	Normal
▪ Khanki	1,100,000	49,000	43,000	400,000	Normal
▪ Qadirabad	900,000	53,000	31,000	400,000	Normal
▪ Trimmu	645,000	118,000	112,000	450,000	Normal
▪ Panjnad	700,000	129,000	116,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		7,000	150,000	Normal
▪ Shahdara	250,000		13,000	135,000	Normal
▪ Balloki	225,000	43,000	20,000	135,000	Normal
▪ Sidhnai	150,000	21,000	11,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	17,000	6,000	175,000	Normal
▪ Islam	300,000	6,000	5,000	175,000	Normal

Live Storage (MAF) [†]

Reservoir Elevation (in Feet Above Mean Sea Level)		2020	2019	2018	Maximum	Today	Last Year
Tarbela:	Maximum Conservation Level:	1550.00	1550.00	1550.00	1550.00	5.980	6.049
	Minimum Operating Level:	1392.00					
Chashma:	Maximum Conservation Level:	649.00	640.50	648.80	645.90	0.278	0.268
	Minimum Operating Level:	637.00					
Mangla:	Maximum Conservation Level:	1242.00	1242.00	1221.80	1177.75	<u>7.356</u>	<u>5.813</u>
	Minimum Operating Level:	1050.00					
Total Live Storage					13.614	13.368	12.130

Skardu Temperature	Today 2020	Last year 2019
Maximum	25.0 °C	31.7 °C
Minimum	13.3 °C	14.3 °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"

⁺ Based on IRSA's Daily Hydrological Data^{^^} PID, Sindh vide letter No. DR/4-17/2015/839 dated 22-04-2015 informed that design discharge capacity of Sukkur Barrage has decreased from 1,500,000 cusecs to 900,000 cusecs due to closing of its ten (10) gates as a result of model study carried out in Poona during 1941-42 to control silting problem in right bank canals.[^] As per PID, Punjab's letter No. IWT&R/14/1108/04/97 dated 17-09-2014^{^^^} As per PID, KP's letter No. 1271GSG-II/ dated 11-06-2018