



Government of Pakistan
Ministry of Water Resources
**Office of Chief Engineering Advisor/
Chairman, Federal Flood Commission**

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DAILY WEATHER & FLOOD SITUATION REPORT
THURSDAY, AUGUST 13, 2020

At present, there is "No Riverine Flood Situation" in the country. All main rivers of Indus River System (IRS) are discharging "Normal Flows". Tarbela, Chashma and Mangla reservoirs cumulatively have attained a storage of **10.886 MAF (79.96%** of total **13.614 MAF**). Main rivers' inflows/outflows at key control structures besides present water levels and storage position may be seen at **Annexure-I**.

2. **Mangla Reservoir** has attained an elevation of **1234.60 feet** at reporting time today. Necessary monitoring of inflows/outflows, dam safety and Met situation is being ensured by Mangla Dam Management, Flood Mitigation Committee, IRSA and FFD, Lahore.

3. Torrential rains of 6th - 8th August 2020 in Khirther Hills Range generated flash flooding in Gaj Nai and other local nullahs. The flood water breached **Gaj Diversion Bund** in reach **RD 11+000 to RD 15+000** besides breaching F.P. Bund at five locations. Work on plugging the breaches is reportedly in progress. Relief activities through PDMA/DDMAs are continuing with the help of Pak Army.


4. Gwadar - Karachi Coastal Highway near Pasni (Gwadar) and Quetta - Jacobabad Highway damaged severely due to the recent heavy rains in Balochistan have since been restored for traffic besides relief activities are still continuing in Balochistan as reported by PDMA, Balochistan.

5. Seasonal Low continues to prevail over North-eastern Balochistan with **weak moist currents from Arabian Sea & Bay of Bengal** are penetrating into upper parts of Pakistan upto 5000 feet. A fresh trough of Westerly Wave lies over Northern parts of Afghanistan. (FFD, Lahore, Bulletin No. A-60/20 dated 13th August 2020).

6. Scattered thunderstorm/rain with **isolated heavy falls** are expected over the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej including **Rawalpindi, Gujranwala & Lahore Divisions** of Punjab during the ensuing 24 hours. Isolated thunderstorm/rain has also been forecasted over Punjab (**Sargodha & D.G. Khan Divisions**), Khyber Pakhtunkhwa, South & South-eastern Sindh and North-eastern Balochistan including the upper catchment of River Indus during the same period.

7. Reported significant rainfall events for the past 24 hours include: Islamabad = 42 mm, Kakul = 19 mm & Garhi Dupatta = 18 mm.

8. The prevailing meteorological conditions are being closely monitored by the Pakistan Meteorological Department (PMD) through its Flood Forecasting Division housed in Lahore and is keeping all the concerned fully informed.


(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 13-08-2020

**Discharges at Important River Sites
August 13, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
River Indus					
▪ Tarbela Reservoir	1,500,000	228,000	127,000	650,000	Normal
▪ Kalabagh	950,000	171,000	163,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	176,000	170,000	650,000	Normal
▪ Taunsa ^	1,000,000	172,000	146,000	650,000	Normal
▪ Guddu	1,200,000	134,000	104,000	700,000	Normal
▪ Sukkur ^^	900,000	108,000	64,000	700,000	Normal
▪ Kotri	875,000	54,000	23,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		34,000	200,000	Normal
▪ Nowshera			46,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	23,000	10,000	225,000	Normal
▪ Rasul	850,000	8,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	77,000	46,000	400,000	Normal
▪ Khanki	1,100,000	39,000	31,000	400,000	Normal
▪ Qadirabad	900,000	37,000	20,000	400,000	Normal
▪ Trimmu	645,000	19,000	4,000	450,000	Normal
▪ Panjnad	700,000	12,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		13,000	150,000	Normal
▪ Shahdara	250,000		29,000	135,000	Normal
▪ Balloki	225,000	45,000	14,000	135,000	Normal
▪ Sidhnai	150,000	20,000	4,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	15,000	1,000	175,000	Normal
▪ Islam	300,000	1,000	NIL	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	1514.60	1546.90	1537.23	5.980	4.063	5.872
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	641.50	641.50	641.00	0.278	0.049	0.049
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1234.60	1206.50	1162.90	<u>7.356</u>	<u>6.774</u>	<u>4.754</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	10.886	10.675

Skardu Temperature	Today 2020	Last year 2019
Maximum	35.6 °C	30.6 °C
Minimum	16.5 °C	22.0 °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