



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
SATURDAY, AUGUST 15, 2020

All main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing with "Normal Flow Condition". The discharges (inflows/outflows) of the main rivers at important control structures alongwith water levels and storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure-I**.

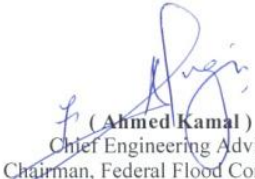
2. **Tarbela Reservoir** has attained water level of **1522.46 feet** i.e. **27.54 feet** below its Maximum Conservation Level (MCL) of **1550.00 feet** whereas **Mangla Reservoir** is at an elevation of **1235.30 feet** (**6.70 feet** below its MCL of **1242.00 feet**). In view of higher water level in **Mangla reservoir**, Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore, to ensure ultra vigilance and to discharge surplus flood water from reservoir as a consequence of any flood generating meteorological activity as per approved SOPs and dam safety guidelines.

3. Due to torrential rains in Khirther Hills Range on **6th - 8th August 2020**, flash flooding generated in Gaj Nai and other local nullahs had breached **Gaj Diversion Bund** in reach **RD 11+000 to RD 15+000** and **F.P. Bund** at five locations (**RD 40+000, RD 43+000, RD 44+000, RD 52+000 & RD 75+000**). As informed by concerned field formation of Sindh Irrigation Department, all the breaches of **F.P. Bund** have been plugged, whereas work on strengthening of the same is underway.

4. According to FFD, Lahore, yesterday's trough of Westerly Wave over Northern parts of Pakistan has moved Eastwards whereas **Seasonal Low** continues to prevail over Northern Balochistan. Yesterday's **Monsoon Low** over North-western Bay of Bengal remained stationary and intensified into a **Well-Marked Low**. **Weak moist currents** from **Arabian Sea & Bay of Bengal** are penetrating into upper parts of country upto 3000 feet.

5. FFD, Lahore, has predicted isolated thunderstorm/rain over Punjab (**Rawalpindi, Gujranwala, Sargodha, Lahore, Bahawalpur & D.G. Divisions**), Khyber Pakhtunkhwa (**Bannu, Kohat & D.I. Khan Divisions**), South & South-eastern Sindh and North-eastern Balochistan including the upper catchments of Rivers Indus, Jhelum, Chenab, Ravi & Sutlej during the next 24 hours. Significant rainfall events during the past 24 hours as reported by FFD, Lahore, may be seen at **Annexure-II**.

6. Round-the-clock active monitoring of prevailing weather system is being carried out by the Pakistan Meteorological Department (PMD) and keeping all concerned 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.
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 15-08-2020

**Discharges at Important River Sites
August 15, 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	239,000	122,000	650,000	Normal
▪ Kalabagh	950,000	190,000	182,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	169,000	163,000	650,000	Normal
▪ Taunsa ^	1,000,000	177,000	151,000	650,000	Normal
▪ Guddu	1,200,000	129,000	97,000	700,000	Normal
▪ Sukkur ^^	900,000	91,000	45,000	700,000	Normal
▪ Kotri	875,000	91,000	56,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		36,000	200,000	Normal
▪ Nowshera			45,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			10,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		7,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	25,000	10,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	73,000	46,000	400,000	Normal
▪ Khanki	1,100,000	47,000	39,000	400,000	Normal
▪ Qadirabad	900,000	47,000	30,000	400,000	Normal
▪ Trimmu	645,000	27,000	12,000	450,000	Normal
▪ Panjnad	700,000	12,000	NIL	450,000	Normal
River Ravi					
▪ Jassar	275,000		22,000	150,000	Normal
▪ Shahdara	250,000		31,000	135,000	Normal
▪ Balloki	225,000	45,000	13,000	135,000	Normal
▪ Sidhnai	150,000	21,000	5,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	15,000	1,000	175,000	Normal
▪ Islam	300,000	NIL	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	1522.46	1547.10	1541.23	5.980	4.465	5.884
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	641.60	641.50	641.00	0.278	0.051	0.049
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1235.30	1209.45	1166.35	<u>7.356</u>	<u>6.829</u>	<u>4.947</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	11.345	10.880

Skardu Temperature	Today 2020	Last year 2019
Maximum	35.6 °C	23.9 °C
Minimum	20.4 °C	19.0 °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

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A.	Khyber Pakhtunkhwa	
1.	Takhtbai	89
2.	Rashidabad	35
3.	Buner	09
4.	Balakot	07
5.	Tanda Dam	05
B.	Punjab	
1.	Islamabad	Zeropoint = 35, Saidpur = 25, & Shamsabad = 05
2.	Bhakkar	18
3.	Mianwali	14
4.	D.G. Khan	11
C.	Azad Jammu & Kashmir	
1.	Bandi Abbaspur	07

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