



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
TUESDAY AUGUST 11, 2020

All main rivers of Indus River System (IRS) are flowing with "Normal Flow Condition" and there is no riverine flood situation in the country. 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**. Present storage of Tarbela Reservoir is **3.606 MAF (60.30 % of 5.980 MAF)**. **Mangla reservoir** is at an elevation of **1233.85 feet (8.15 feet below maximum conservation level of 1242.00 feet)**. Ultra vigilance is required in view of present high water level of dam requiring Round-the-Clock monitoring by Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore.

2. Due to torrential rains in Khirther Hills Range, flash flooding generated in Gaj Nai from 6th - 8th August 2020, which had breached the **Gaj Diversion Bund** in reach **RD 11+000 to RD 15+000**. The flood water has also breached the F.P Bund at five locations {**RD 42+000, 43+000, 44+000, 52+000, 75+000**}. Three (3) breaches have been plugged whereas work on plugging the remaining two (2) breaches {**RD 43+000 & RD 44+000**} is underway and hopefully would be completed within next 24 hours as informed by the Sindh Irrigation Department. Rescue & relief activities are also in progress by concerned Provincial organizations with the help of Pak Army.


3. Due to heavy rains in certain districts of Balochistan (Khzdar, Jhal Magsi, Lasbela, Gwadar, Pasni, Kachi and Dera Bugti), the resultant flash floods had caused severe damages and breaches in National Highways and Provincial Highways. Relief activities are also in progress in Balochistan including restoration of road sections.

4. **Yesterday's trough of Westerly Wave** over Northern Pakistan today prevails over Kashmir and adjoining areas. **Moderate moist currents from Arabian Sea** continues to penetrate into the upper parts of the Pakistan upto 5000 feet with **Seasonal Low** lying over North-western Balochistan (Ref:FFD, Lahore, BULLETIN No. A-58/20, dated 11th August 2020).

5. Prevailing weather system may result into scattered thunderstorm/rain of moderate intensity with **Isolated Heavy Falls** over Punjab (**Rawalpindi, Gujranwala & Lahore Divisions**), Khyber Pakhtunkhwa (**Malakand, Hazara & D.I. Khan Divisions**) including the upper catchments of all main rivers during the next 24 hours. Isolated thunderstorm/rain may also occur over rest of the Punjab, Khyber Pakhtunkhwa and Eastern Balochistan during the same period as per the prediction of FFD, Lahore. Prominent reported rainfall events for the past 24 hours may be seen at **Annexure-II**.

6. In line with the next 24 hours weather prediction, there is a likelihood of sharp peaks of **Low to Medium flood** in River Jhelum upstream of Mangla (inflows), besides, **Mild flows** in the Hill Torrents of D.G. Khan Division.

7. Active and Round-the-Clock monitoring of current meteorological system is being carried out by the Pakistan Meteorological Department (PMD) and is keeping all concerned fully informed 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 11-08-2020

**Discharges at Important River Sites
August 11, 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	264,000	119,000	650,000	Normal
▪ Kalabagh	950,000	179,000	171,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	176,000	170,000	650,000	Normal
▪ Taunsa ^	1,000,000	177,000	151,000	650,000	Normal
▪ Guddu	1,200,000	151,000	133,000	700,000	Normal
▪ Sukkur ^^	900,000	137,000	93,000	700,000	Normal
▪ Kotri	875,000	46,000	18,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		34,000	200,000	Normal
▪ Nowshera			49,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		9,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	29,000	11,000	225,000	Normal
▪ Rasul	850,000	3,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	77,000	46,000	400,000	Normal
▪ Khanki	1,100,000	62,000	54,000	400,000	Normal
▪ Qadirabad	900,000	58,000	41,000	400,000	Normal
▪ Trimmu	645,000	13,000	NIL	450,000	Normal
▪ Panjnad	700,000	19,000	4,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		17,000	150,000	Normal
▪ Shahdara	250,000		24,000	135,000	Normal
▪ Balloki	225,000	41,000	9,000	135,000	Normal
▪ Sidhnai	150,000	19,000	4,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	15,000	1,000	175,000	Normal
▪ Islam	300,000	2,000	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	1505.37	1545.50	1533.23	5.980	3.606	5.792
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	640.10	641.50	641.60	0.278	0.026	0.049
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1233.85	1204.40	1160.80	<u>7.356</u>	<u>6.716</u>	<u>4.617</u>
	Minimum Operating Level:	1050.00						
Total Live Storage						13.614	10.348	10.458

Skardu Temperature	Today 2020	Last year 2019
Maximum	25.3 °C	24.7 °C
Minimum	14.5 °C	17.0 °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	Punjab	
1.	Multan	(Chungi No.9 = 63, Mumtazabad = 14 & Airport = 12)
2.	Islamabad	(Shamsabad = 54, Zeropoint = 32, New Airport = 27, Chaklala = 25, Golra = 24, Saidpur = 13 & Bokra = 08)
3.	Lahore	(Johar Town = 52, Iqbal Town = 46, Airport = 35, Jail Road = 26, Punjab University = 18 & Taj Pura = 14)
4.	Chakwal	22
5.	Kamra	17
6.	Bahawalnagar	15
7.	Sargodha	08
8.	Narowal	07
B	Azad Jammu & Kashmir	
1.	Bhoun	47
2.	Muzaffarabad	(City=45 & Airport=40)
3.	Chattar Kallas	40
4.	Domel	34
5.	Brarkot	25
6.	Tandali	22
7.	Hajira	06
8.	Garhi Dopatta	05
C	Khyber Pakhtunkhwa	
9.	Lower Dir	34
10.	Saidu Sharif	12
11.	Shinkari	11
12.	Oghi & Parachinar	09
13.	Mohmand Dam	06
14.	Malam Jabba	05
D	Balochistan	
1.	Barkhan	25
2.	Khuzdar	06

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