



**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
WEDNESDAY AUGUST 05, 2020**

All main rivers of Indus River System (IRS) are flowing at "Normal Flow Condition". Discharges of all main rivers at important control structure including water levels and storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure-I**.

2. **Mangla reservoir** presently is at **1231.65 feet** (much higher than last year's level of **1196.75 feet** on the same date) with 10.35 feet storage space left. Mangla Dam Management & Flood Mitigation Committee (FMC) are ensuring reservoir regulation as per approved SOPs, dam safety guidelines and IRSA's advice

3. **Tarbela reservoir** at present is at **1485.14 feet** as compared to **1540.00 feet** (August 05, 2019). IRSA is advised for judicious releases to ensure maximum storage.

4. Yesterday's **Monsoon Low** (over North Bay of Bengal) after moving Westwards has intensified into a **Well Marked Low** with current location over Northwest Bay of Bengal. It is very likely to move rapidly and reach Western Madhya Pradesh (India) during the next 24-hours. Moreover, yesterday's Cyclonic Circulation (extension of monsoon low in upper air) has moved from South-eastern Gujarat to Southern Gujarat (India) today. Seasonal Low continues to prevail over Northeastern Balochistan with weak moist currents from Arabian Sea penetrating into upper parts of Pakistan upto 3000 feet. (Ref: FFD, Lahore Bulletin No. A-52/20).


5. For the ensuing 24 hours FFD, Lahore, has forecasted isolated thunderstorm/rain over Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions (Punjab), Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions (Khyber Pakhtunkhwa) and Northeastern Balochistan alongwith upper catchments of all the major rivers of IRS. Except for D.G. Khan = 18 mm & Sargodha = 16 mm, no significant rainfall event has been reported by FFD, Lahore, for the past 24 hours.

6. **Weather Predictions (6th-8th August, 2020):**

Widespread rain/wind-thundershowers with **Isolated Heavy to Very Heavy Falls** have been predicted by FFD, Lahore, over Karachi, Hyderabad, Thatta, Badin, Tharparker, Umerkot, Mirpurkhas, Sanghar, Tando Allah Yar, Matiari, Tando Muhammad Khan, Jamshoro, Dadu and Shaheed Benazirabad of **Sindh Province from 6th-8th August 2020**.

Furthermore, scattered rain-thunder showers with **Isolated Heavy Falls** are expected over Bahawalpur & Rahim Yar Khan (Punjab), Khairpur, Sukkur, Larkana, Qambar Shahdadt, Jacobabad, Kashmore & Ghotki (Sindh) and Kalat, Jaffarabad, Jhalmagsi, Khuzdar, Lasbella & Awaran (Balochistan), besides **Urban Flooding** in Karachi & Hyderabad and **Flash Flooding** in the Hill Torrents of Eastern Balochistan on **07th & 08th August 2020**.

7. Round-the-clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) especially in the context of further movement, intensity and impact of **Well Marked Monsoon Low** on Pakistan. FFD, Lahore, is keeping all concerned fully abreast of the situation.


(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 05-08-2020

**Discharges at Important River Sites
August 05, 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	196,000	124,000	650,000	Normal
▪ Kalabagh	950,000	203,000	195,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	201,000	194,000	650,000	Normal
▪ Taunsa [^]	1,000,000	186,000	161,000	650,000	Normal
▪ Guddu	1,200,000	144,000	106,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	101,000	47,000	700,000	Normal
▪ Kotri	875,000	50,000	8,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		33,000	200,000	Normal
▪ Nowshera			52,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			11,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		9,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	26,000	14,000	225,000	Normal
▪ Rasul	850,000	8,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	66,000	35,000	400,000	Normal
▪ Khanki	1,100,000	33,000	25,000	400,000	Normal
▪ Qadirabad	900,000	33,000	11,000	400,000	Normal
▪ Trimmu	645,000	19,000	4,000	450,000	Normal
▪ Panjnad	700,000	21,000	5,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		8,000	150,000	Normal
▪ Shahdara	250,000		23,000	135,000	Normal
▪ Balloki	225,000	48,000	17,000	135,000	Normal
▪ Sidhnai	150,000	24,000	9,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	18,000	4,000	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	1485.14	1540.00	1519.18	5.980	2.671	5.477
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	645.90	641.00	641.60	0.278	0.150	0.040
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1231.65	1196.75	1152.20	<u>7.356</u>	<u>6.545</u>	<u>4.133</u>
Minimum Operating Level:	1050.00						
Total Live Storage				13.614	9.366	9.650	

Skardu Temperature	Today 2020	Last year 2019
Maximum	33.8 °C	32.6 °C
Minimum	17.5 °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

