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, AUGUST 23, 2020

At present there is no riverine flood situation in the country. All main rivers of Indus River system (IRS) are flowing with "Normal Flow Condition". The discharges of main rivers at important control structures including water level and storage position of major reservoirs (**Tarbela, Mangla and Chashma**) as of 0600 hours today may be seen at **Annexure-I**, which indicates that storage space of **7.07 feet** and **3.65 feet** is left in **Tarbela** and **Mangla** reservoirs to fill upto their respective **Maximum Conservation Level** of **1550.00 feet** and **1242.00 feet.** Tarbela & Mangla Management Authorities are advised for strict surveillance, effective and stringent monitoring and calculated impounding/ releases of flood water as per prevailing SOPs and Dam Safety Guidelines.

2. Yesterday's **Well Marked Monsoon Low** over Central Madhya Pradesh (India) today lies over Northwest Madhya Pradesh and adjoining areas of India. A fresh trough of **Westerly Wave** is lying over Northern parts of Iran with weak **Seasonal Low** over Western Balochistan. As a result moderate moist currents from Arabian Sea and Bay of Bengal are penetrating into lower half of Pakistan upto 7000 feet. Weak moist currents from both sources are also penetrating into upper half of the country upto 5000 feet. (Refer FFD, Lahore Bulletin No. A-70/ 20 dated 23rd August 2020).

3. For the ensuing 24 hours, FFD, Lahore has predicted isolated thunderstorm/rain over Punjab (**Rawalpindi, Gujranwala, Lahore & D.G. Khan Divisions),** Khyber Pakhtunkhwa **(D.I. Khan Division**) including upper catchments of all the major rivers of IRS. During the same period, scattered wind-thundershower/rain with **isolated heavy falls** may occur over **Karachi, Hyderabad, Thatta, Badin, Shaheed Benazirabad, Dadu, Tharparkar, Mirpurkhas, Umer Kot, Sanghar, Sukkur & Larkana Districts of Sindh**, **Eastern Balochistan and Bahawalpur Division of Punjab**. Mild flows in the Hill Torrents of D.G. Khan Division and **Low Flood** in **River Ravi** at **Balloki Headworks** is expected during the next 24 hours**.** However, no significant increase in flood flow in Chenab River at Marala Barrage (RIM station) is expected during the next 2-3 days. No prominent rainfall has been reported during the past 24 hours except for Karachi=18 mm, Chhor=17 mm, Mirpur Khas=11 mm and Bagrote=09 mm.

4. Round-the-Clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD), especially with respect to tracking further movement, intensity and impact of **Well Marked Monsoon Low** presently lying over Northwest Madhya Pradesh (India). 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.
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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.
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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 23-08-2020

ANNEXURE-I

Discharges at Important River Sites
August 23, 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	193,000	139,000	650,000	Normal
▪ Kalabagh	950,000	216,000	209,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	229,000	223,000	650,000	Normal
▪ Taunsa ^	1,000,000	259,000	236,000	650,000	Normal
▪ Guddu	1,200,000	134,000	108,000	700,000	Normal
▪ Sukkur ^^	900,000	98,000	55,000	700,000	Normal
▪ Kotri	875,000	37,000	23,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		28,000	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		8,000	150,000	Normal
▪ Charsadda Road Bridge			6,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	22,000	9,000	225,000	Normal
▪ Rasul	850,000	9,000	8,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	78,000	54,000	400,000	Normal
▪ Khanki	1,100,000	95,000	89,000	400,000	Normal
▪ Qadirabad	900,000	96,000	78,000	400,000	Normal
▪ Trimmu	645,000	58,000	44,000	450,000	Normal
▪ Panjnad	700,000	19,000	3,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		20,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	49,000	19,000	135,000	Normal
▪ Sidhnai	150,000	24,000	8,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	22,000	8,000	175,000	Normal
▪ Islam	300,000	3,000	2,000	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	1542.93	1550.00	1550.00	5.980	5.576	6.049
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	648.50	648.10	646.50	0.278	0.253	0.232
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1238.35	1216.35	1172.80	7.356	7.065	5.426
	Minimum Operating Level:	1050.00						
			Total Live Storage			**13.614**	**12.894**	**11.707**

Skardu Temperature	Today 2020	Last year 2019
Maximum	**28.7 ^{0}C**	**28.1 ^{0}C**
Minimum	**11.2 ^{0}C**	**13.0 ^{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