



**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 02, 2020**

At Present there is no riverine flood situation and all main rivers of Indus River System are flowing with "Normal Flow Condition". Combined Live Storage of Tarbela, Chashma and Mangla reservoirs alongwith river discharges at important control structures as of **0600 hours** today may be seen at **Annexure-I**.


2. The discharges of Indus River at **Tarbela Dam (inflows)** are comparatively less this year due to low temperatures in upstream catchments area. The present water level in reservoir is **1476.33 feet** as compared to **1534.00 feet** and **1519.00 feet** of last two years respectively. IRSA has been advised for judicious releases so as to ensure maximum live storage in Tarbela reservoir.

3. In view of higher level of **Mangla reservoir i.e. 1230.70 feet** against Maximum Conservation Level (MCL) of **1242.00 feet**, more vigilance by Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore is absolutely required to ensure dam safety and regulate surplus flood water as a consequence of any flood generating meteorological activity and timely dissemination of flood warnings of high flood flows releases to all the concerned Flood Management Authorities and the local population settled in the downstream areas.

4. Yesterday's trough of Westerly Wave over Northern parts of Pakistan today lies over Kashmir and adjoining areas. Weak Seasonal Low lies over Northern Balochistan whereas moist currents from the Arabian Sea are penetrating into upper parts of Pakistan upto 3000 feet.

5. As per the prediction of FFD, Lahore, the prevailing meteorological conditions over the next 24 hours may result into scattered thunderstorm/rain of moderate intensity with **one or two Heavy falls** over upper catchments of all the major rivers. Isolated thunderstorm/rain may also occur over Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore, Faisalabad, Sahiwal, Multan & D.G. Khan Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar, Kohat, Bannu & D.I. Khan Divisions) and Northeastern Balochistan during the same period. **Low to Medium Level** flooding in the Nullahs i.e. the tributaries of Rivers Chenab & Ravi and Hill Torrents of D.G. Khan Division are expected during the **next 24 Hours**. Some significant rainfall events of the last 24 hours as reported by FFD, Lahore, are depicted in **Annexure-II**.

6. Pakistan Meteorological Department (PMD) through its Central Flood Forecasting Division based in Lahore is monitoring the prevailing weather system and keeping all concerned informed on round-the-clock basis.


(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 02-08-2020

**Discharges at Important River Sites
August 02, 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	221,000	109,000	650,000	Normal
▪ Kalabagh	950,000	191,000	183,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	197,000	181,000	650,000	Normal
▪ Taunsa ^	1,000,000	187,000	165,000	650,000	Normal
▪ Guddu	1,200,000	156,000	129,000	700,000	Normal
▪ Sukkur ^^	900,000	111,000	54,000	700,000	Normal
▪ Kotri	875,000	61,000	21,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		42,000	200,000	Normal
▪ Nowshera			54,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			14,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			9,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	30,000	14,000	225,000	Normal
▪ Rasul	850,000	7,000	NIL	225,000	Normal
River Chenab					
▪ Marala	1,100,000	72,000	40,000	400,000	Normal
▪ Khanki	1,100,000	40,000	32,000	400,000	Normal
▪ Qadirabad	900,000	39,000	17,000	400,000	Normal
▪ Trimmu	645,000	22,000	8,000	450,000	Normal
▪ Panjnad	700,000	17,000	7,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		12,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	52,000	22,000	135,000	Normal
▪ Sidhnai	150,000	20,000	7,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	14,000	1,000	175,000	Normal
▪ Islam	300,000	2,000	NIL	175,000	Normal

Live Storage (MAF) +

<u>Reservoir Elevation (in Feet Above Mean Sea Level)</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>Maximum</u>	<u>Today</u>	<u>Last Year</u>	
Tarbela: Maximum Conservation Level:	1550.00	1476.33	1534.00	1519.00	5.980	2.287	5.148
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	646.60	641.00	645.60	0.278	0.173	0.040
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1230.70	1192.70	1149.70	<u>7.356</u>	<u>6.472</u>	<u>3.980</u>
Minimum Operating Level:	1050.00						
Total Live Storage					13.614	8.932	9.168

Skardu Temperature	Today 2020	Last year 2019
Maximum	30.0 °C	34.6 °C
Minimum	16.7 °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

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Lahore	Taj Pura=71, Lukshmi=69, Shahdara=65, Shahi Qilla=63, Misri Shah=55, Gulshan-e-Ravi=47, Township=42, Jail Road=37, Upper Mall=33, Airport=31, Gulberg & Mughal Pura=30 each, Punjab University=25, Johar Town=20, Iqbal Town= 16 and Samanabad=10
2.	Hafizabad	15
3.	Gujranwala	05
B	Khyber Pakhtunkhwa	
1.	Phulra	05
C.	Balochistan	
1.	Khuzdar & Zhob	05 each
D.	Gilgit-Baltistan	
1.	Bagrote	05

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