



**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 01, 2020**

Presently all main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing normal right from respective catchments upto Kotri Barrage (the last control structure on Indus River). **Annexure-I** depicts the normal state of main rivers (inflows & outflows) alongwith Tarbela, Chashma and Mangla water levels (in feet) & storage position (in MAF) as of **0600 hour** today.


2. Current level of **Tarbela reservoir** is **1472.30 feet**. It has **77.70 feet** storage space still available to reach its Maximum Conservation Level (MCL) of **1550.00 feet**. IRSA has been advised for judicious releases.

3. **Mangla reservoir** has attained water level of **1230.30 feet** against Maximum Conservation Level (MCL) of **1242.00 feet** (i.e. **11.70 feet** storage space available for impounding of water). In the context of much higher water level at Mangla Reservoir, the Mangla Dam Management is strongly advised to remain extra vigilant in reservoir operation and ensure regulated discharges as per approved SOPs and prevailing dam safety guidelines. Strong coordination among all members of Flood Mitigation Committee (FMC) from now onwards would be mandatory to ensure dam safety as well as timely dissemination of early warning of any abnormal flow to the Flood Managers and to the local population in the downstream areas.

4. Westerly Wave trough lies over Northern parts of Pakistan with Seasonal Low prevails over Northern Balochistan. Moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 5000 feet.

5. For the ensuing 24 hours, FFD, Lahore has predicted scattered thunderstorm/ rain of moderate intensity with **one or two Heavy Falls** over Punjab (Rawalpindi, Sargodha, Gujranwala & Lahore Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar, Kohat, Bannu & D.I Khan Divisions) including upper catchments of all the major rivers. Isolated thunderstorm/ rain may also occur over Faisalabad, Sahiwal, Multan & D.G Khan Divisions of Punjab and Northeastern Balochistan during the same period. Sharp peaks upto **Medium Flood Level** in River Jhelum at Mangla (Inflows), while **Low to Medium Level** flooding in the Nullahs of Rivers Chenab & Ravi and Mild flows in the Hill Torrents of D.G Khan Division are expected during the next 24 Hours. Some prominent rainfall events of the last 24 hours as reported by FFD, Lahore, are depicted in **Annexure-II**.

6. Prevailing meteorological conditions are being closely monitored by Pakistan Meteorological Department through its Central Flood Forecasting Division based at 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 01-08-2020

**Discharges at Important River Sites
August 01, 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	205,000	123,000	650,000	Normal
▪ Kalabagh	950,000	182,000	174,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	196,000	190,000	650,000	Normal
▪ Taunsa [^]	1,000,000	187,000	165,000	650,000	Normal
▪ Guddu	1,200,000	156,000	124,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	108,000	51,000	700,000	Normal
▪ Kotri	875,000	64,000	24,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		35,000	200,000	Normal
▪ Nowshera			49,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			16,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		11,000	150,000	Normal
▪ Charsadda Road Bridge			8,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	62,000	16,000	225,000	Normal
▪ Rasul	850,000	12,000	5,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	72,000	40,000	400,000	Normal
▪ Khanki	1,100,000	36,000	29,000	400,000	Normal
▪ Qadirabad	900,000	37,000	15,000	400,000	Normal
▪ Trimmu	645,000	27,000	12,000	450,000	Normal
▪ Panjnad	700,000	31,000	15,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		14,000	150,000	Normal
▪ Shahdara	250,000		32,000	135,000	Normal
▪ Balloki	225,000	47,000	16,000	135,000	Normal
▪ Sidhnai	150,000	21,000	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	1472.30	1532.00	1518.62	5.980	2.115	5.039
Minimum Operating Level:	1392.00						
Chashma: Maximum Conservation Level:	649.00	647.30	640.00	646.70	0.278	0.198	0.024
Minimum Operating Level:	637.00						
Mangla: Maximum Conservation Level:	1242.00	1230.30	1190.65	1148.85	<u>7.356</u>	<u>6.441</u>	<u>3.767</u>
Minimum Operating Level:	1050.00						
Total Live Storage					13.614	8.754	8.830

Skardu Temperature	Today 2020	Last year 2019
Maximum	33.4 °C	35.2 °C
Minimum	17.3 °C	18.1 °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. 1WT&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.	Sialkot	85
2.	Mangla	54
3.	Attock	48
4.	Narowal	44
5.	dabarahoj	38
6.	Islamabad	(Zero Point 34, New Air Port 10)
7.	Jhelum	27
8.	Sargodha	20
9.	Rawalpindi	Shamsabad 18
10.	Bhoun	14
11.	Murree	13
12.	Kallar	11
13.	Gujrat	09
14.	Lahore (Johar Town)	08
15.	Hafizabad	07
16.	Mianwali	06
B		
Khyber Pakhtunkhwa		
1.	Kakul	49
2.	Cherat	30
3.	Besham	25
4.	Daggar	21
5.	Malam Jabba	19
6.	Buner & Dir	12 each
7.	Balakot	08
8.	Kamra	07
9.	Shinkiari	05
C		
Azad Jammu & Kashmir		
1.	Bandi Abbaspur	32
2.	Barnala	32
3.	Haraman	30
4.	Garhidupatta	23
5.	Tandali	21
6.	Brarkot	10
7.	Chakothe	08
8.	Muzaffarabad	07
9.	Rawalakot and Hajira	06 each
10.	Domel, Kotli & Chattar Kallas	05 each

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