



**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  
THURSDAY, AUGUST 27, 2020**

Rivers Indus in **Guddu-Sukkur Reach** and Jhelum at **Rasul (downstream Mangla)** are flowing in **Low Flood**. Besides, River Chenab is in **Low Flood** at **Marala** and in **Medium Flood** at **Qadirabad**. Other main rivers (**Ravi & Sutlej**) are flowing normal. The present combined live storage of major reservoirs (**Tarbela, Mangla & Chashma**) is **13.236 MAF** (i.e. **97.22% of 13.614 MAF**). The discharges of main rivers at important control structures and water levels & storage position of major reservoirs as of 0600 hours today may be seen at **Annexure-I**.

2. **Tarbela reservoir** has attained water level of **1549.00 feet** i.e. just **1.00 feet** below its Maximum Conservation Level of **1550.00 feet** and is likely to attain its MCL sometimes tomorrow. Dam Management Authority is ensuring dam regulation as per prevailing SOPs and Dam Safety Guidelines.

3. **Mangla reservoir** is at an elevation of **1239.75 feet** (**2.25 feet** below its MCL of **1242.00 feet**). On account of sporadic rains in upstream catchment areas, River Jhelum at Mangla experienced **CAT-I Flood (320,000 cusecs)** at **1300 hours** yesterday. FMC operated the dam/reservoir spillway, Jari Outlet and Power House to shove off the peak flow without creating flood situation downstream. **Anticipating higher flows in River Jhelum upstream Mangla during today and tomorrow (August 27& 28, 2020), Mangla Flood Mitigation Committee is fully geared up and is exercising top most vigilance and calculated regulation.**

4. **Well Marked Monsoon Low** yesterday over Northwestern Bay of Bengal has intensified, converted into **Depression** and currently lies over North Orissa (India). Also **Trough of Westerly Wave** previously over Northern parts of Pakistan today lies over Kashmir & Adjoining areas. Prevailing system is resulting into penetration of moderate **moist currents** from Arabian Sea into upper parts of Pakistan upto 5000 feet with weak **Seasonal Low** persisting over West Balochistan


5. For the ensuing 24 hours, FFD, Lahore, has predicted scattered thunderstorm/rain with isolated **Heavy Falls** over **Rawalpindi, Lahore, Gujranwala, Sargodha & D.G. Khan Divisions** (Punjab), **Karachi & Hyderabad Divisions** (Sindh), Eastern Balochistan including upper catchments of Rivers **Jhelum, Chenab & Ravi**. During the same period, isolated thunderstorm/ rain may also occur **Multan, Faisalabad, Sahiwal & Bahawalpur Divisions** (Punjab), Khyber Pakhtunkhwa, rest of the Sindh and over the upper catchments of Rivers **Kabul, Indus & Sutlej**. Last 24 hours significant rainfall events reported by FFD, Lahore, may be seen at **Annexure-II**.

**Flood Forecast for next 24 Hours**

6. **River Jhelum** at **Mangla** (upstream) is likely to attain **Medium to Very High Flood Level (Range: 110,000 cusecs to 225,000 cusecs)**, with **River Chenab** at **Marala** may attain **Medium to High Flood Level (Range: 150,000 cusecs to 200,000 cusecs)**. Further, flows are also likely to increase upto **Medium Flood Level** in Nullahs of Rivers **Chenab & Ravi** and Hill Torrents of D. G. Khan Division.

7. According to Pakistan Commissioner for Indus Waters (PCIW), River **Jammu Tawi (Tributary of River Chenab and upstream Marala Headworks)** at Jammu was flowing in **Medium Flood (85,650 cusecs)** at 1140 hours (PST).

8. 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 **Depression** presently lying over North Orissa (India). Additionally FFD, Lahore, is continuously updating Mangla FMC with regard to Mangla upstream flows. FFD, Lahore, is also keeping all concerned fully informed of the meteorological 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 27-08-2020

**Discharges at Important River Sites  
August 27, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Flood Classification*
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	238,000	215,000	650,000	Normal
▪ Kalabagh	950,000	204,000	197,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	219,000	214,000	650,000	Normal
▪ Taunsa <sup>^</sup>	1,000,000	222,000	208,000	650,000	Normal
▪ Guddu	1,200,000	235,000	228,000	700,000	Low Flood (F)
▪ Sukkur <sup>^^</sup>	900,000	214,000	209,000	700,000	Low Flood(R)
▪ Kotri	875,000	35,000	34,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		31,000	200,000	Normal
▪ Nowshera			48,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works <sup>^^^</sup>	150,000		6,000	150,000	Normal
▪ Charsadda Road Bridge			5,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	40,000	38,000	225,000	Normal
▪ Rasul	850,000	79,000	76,000	225,000	Low Flood (R)
<b>River Chenab</b>					
▪ Marala	1,100,000	140,000	120,000	400,000	Low Flood (R)
▪ Khanki	1,100,000	156,000	150,000	400,000	Medium Flood (R)
▪ Qadirabad	900,000	92,000	74,000	400,000	Normal
▪ Trimmu	645,000	44,000	30,000	450,000	Normal
▪ Panjnad	700,000	42,000	27,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		19,000	150,000	Normal
▪ Shahdara	250,000		23,000	135,000	Normal
▪ Balloki	225,000	39,000	10,000	135,000	Normal
▪ Sidhnai	150,000	32,000	16,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	16,000	3,000	175,000	Normal
▪ Islam	300,000	8,000	7,000	175,000	Normal

Live Storage (MAF) <sup>+</sup>

Reservoir Elevation ( in Feet Above Mean Sea Level )			2020	2019	2018	Maximum	Today	Last Year
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1549.00	1550.00	1550.00	5.980	5.923	6.049
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	645.50	647.40	644.50	0.278	0.139	0.202
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1239.75	1218.25	1175.30	<u>7.356</u>	<u>7.174</u>	<u>5.559</u>
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>						<b>13.614</b>	<b>13.236</b>	<b>11.810</b>

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	24.4 °C	29.6 °C
<b>Minimum</b>	15.4 °C	13.4 °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 &amp; NR stands for "Not Received"

<sup>+</sup> Based on IRSA's Daily Hydrological Data<sup>^</sup> 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.<sup>^^</sup> As per PID, Punjab's letter No. IWT&R/14/1108/04/97 dated 17-09-2014<sup>^^^</sup> 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)
<b>A. Azad Jammu &amp; Kashmir</b>		
1.	Kotli	110
2.	Palandri	73
3.	Hajira	50
4.	Bandi Abbaspur	41
5.	Chakothei	37
6.	Barnala	28
7.	Rawalakot	27
<b>B. Punjab</b>		
1.	D.G. Khan	(Zain Sanghar=104, Mari=40, Bela Vidore =36 & Airport=30)
2.	Gujranwala	95
3.	Sialkot	(Cantt=84 & City=35)
4.	Lahore	(Shahdara=82, Mughal Pura=44, Johar Town=31, Airport=27, Shahi Qilla=24, Jail Road=21, Punjab University=20, Taj Pura & Upper Mall=19 (each), Gulshan e Ravi=14, Lukshmi=13, Township=12, & Gulberg=10)
5.	Jhelum	78
6.	Mianwali	66
7.	Mangla	61
8.	Kot Addu	53
9.	Murree	46
10.	Kallar	38
11.	TT Singh	30
12.	Chakwal	27
13.	Sahiwal	23
14.	Bhanduwala	22
15.	Shorkot & Noorpur Thal	20 each
<b>C. Sindh</b>		
1.	Moin-jo-Daro	100
2.	Jacobabad	60
3.	Larkana	57
4.	Padidan	32
<b>D. Balochistan</b>		
1.	Sibbi	74
2.	Barkhan	42
3.	Ziarat	33
4.	Loralai	26
<b>E. Khyber Pakhtunkhwa</b>		
1.	Pattan	31
2.	Malam Jabba	26

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