



**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 08, 2020**

There is no riverine flood situation in the country at present except for urban and flash flooding in Sindh and Balochistan. Torrential rains during the last 48 hours (August 6 & 7, 2020) in various parts of Sindh Province i.e. Karachi, Hyderabad, Shaheed Benazirabad, Skrand, Tando Jam and Thatta etc. have caused urban flooding. Six (06) deaths have been reported by PDMA Sindh. Heavy rains in Balochistan have also generated flash flooding in hill torrents/ local nullahs of Districts Khuzdar, Lasbela and Kachhi. Reportedly, a bridge on Coastal Highway in District Gawadar has been severely damaged. Detailed assessment of the damages is underway by the respective District Administrations.

2. Main river's discharges (inflows/outflows) at important control structures (Dams, Barrages/Headworks etc.) alongwith water levels and storage position of major reservoirs (Tarbela, Chashma & Mangla) as of 0600 hours today may be seen at **Annexure-I**. Although **2.94 feet** increase in water level of **Tarbela reservoir** has been observed ( i.e 1493.38 feet of today Vs 1490.44 feet of yesterday) during past 24 hours, but the escape discharge downstream Kotri Barrage (i.e. 37,000 cusecs) seems to be much higher considering continuous low temperature driven less inflows in River Indus at Tarbela during current monsoon season. IRSA is fully cognizant of the situation and is ensuring maximum storage gains without compromising on provincial indents.

3. Water level in **Mangla reservoir** is at **1232.40 feet** leaving behind a storage space of **9.60 feet** to attain its MCL of **1242.00 feet**. Mangla Dam Management & Flood Mitigation Committee (FMC) are advised for their continuous monitoring of reservoirs' inflows & outflows through effective regulation in line with the approved SOPs, dam safety guidelines & IRSA's advice.

4. Yesterday's **Well Marked Monsoon Low** over Southeastern Sindh has moved Westwards and today lies over South of Ormara (Balochistan) in Arabian Sea and is likely to become insignificant during the next 24 hours. Yesterday's Trough of Westerly Wave over Northwestern Afghanistan today lies over Northern parts of Afghanistan. **Moderate to Strong** moist currents from Arabian Sea are penetrating into Balochistan upto 7,000 feet whereas light to moderate moist currents from Arabian Sea are penetrating into upper parts of the country upto 4,000 feet.

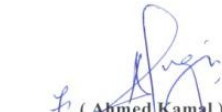
5. FFD, Lahore has predicted widespread thunderstorm/rain with isolated **Heavy to Very Heavy Falls** over Balochistan during the next 24 hours. Scattered thunderstorm/rain with **Isolated Heavy Falls** are also expected over Punjab (**Rawalpindi & Gujranwala Divisions**), Sindh and Khyber Pakhtunkhwa (**Malakand & Hazara Divisions**) including the upper catchments of all Major Rivers, besides, isolated thunderstorm/rain over **Sargodha, Lahore, Bahawalpur & D.G. Khan Divisions** of Punjab and **Peshawar, Kohat, Bannu & D.I. Khan Divisions** of Khyber Pakhtunkhwa during the same period. Some prominent rainfall events of last 24 hours may be seen at **Annexure-II**.

6. The likely heavy downpour, as predicted by FFD, Lahore, may cause **Flash Flooding** in the Hill Torrents of Eastern Balochistan and Nullahs/ Rivers of Coastal Balochistan during the next 24 hours. Sharp peaks upto Low Flood Level in River Jhelum (Inflows at Mangla reservoir) and mild flows in the Hill Torrents of D.G. Khan Division have also been predicted during next 72 hours.

**Weather Prediction: Next 48 hours:**

7. For the next 48 hours, wet spell is likely to decrease further over southern parts of the country and Monsoon activity is likely to increase over upper half of the country.

8. Round-the-clock active monitoring of prevailing weather system is being done by Pakistan Meteorological Department (PMD) especially with regard to further movement, intensity and impact of **'Moderate to Strong'** moist currents from Arabian Sea presently penetrating into Balochistan. FFD, Lahore, is keeping all concerned fully abreast of the situation.

  
Ahmed Kamal  
Chief Engineering Advisor/  
Chairman, Federal Flood Commission

## **Distribution:**

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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.
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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 08-08-2020

**Discharges at Important River Sites  
August 08, 2020 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	187,000	87,000	650,000	Normal
▪ Kalabagh	950,000	183,000	175,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	171,000	164,000	650,000	Normal
▪ Taunsa <sup>^</sup>	1,000,000	193,000	170,000	650,000	Normal
▪ Guddu	1,200,000	147,000	146,000	700,000	Normal
▪ Sukkur <sup>^^</sup>	900,000	114,000	87,000	700,000	Normal
▪ Kotri	875,000	52,000	37,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		32,000	200,000	Normal
▪ Nowshera			43,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			11,000	150,000	Normal
▪ Munda Head Works <sup>^^^</sup>	150,000		10,000	150,000	Normal
▪ Charsadda Road Bridge			9,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	30,000	12,000	225,000	Normal
▪ Rasul	850,000	11,000	8,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	63,000	32,000	400,000	Normal
▪ Khanki	1,100,000	31,000	23,000	400,000	Normal
▪ Qadirabad	900,000	35,000	13,000	400,000	Normal
▪ Trimmu	645,000	14,000	NIL	450,000	Normal
▪ Panjnad	700,000	15,000	NIL	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		11,000	150,000	Normal
▪ Shahdara	250,000		22,000	135,000	Normal
▪ Balloki	225,000	44,000	12,000	135,000	Normal
▪ Sidhnai	150,000	25,000	10,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	16,000	2,000	175,000	Normal
▪ Islam	300,000	3,000	1,000	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	1493.38	1543.00	1524.93	5.980	3.041	5.649
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	645.10	642.00	639.20	0.278	0.128	0.058
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1232.40	1200.75	1157.25	7.356	6.604	4.378
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>					<b>13.614</b>	<b>9.773</b>	<b>10.085</b>	

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	35.8 °C	37.1 °C
<b>Minimum</b>	20.4 °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 &amp; 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.

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**Significant Rainfall Events during the Past 24 Hours**

Sr. No.	City/Observatory	Rainfall (mm)
<b>A</b>	<b>Punjab</b>	
1.	Islamabad (Saidpur)	51
2.	Murree	51
3.	Haraman	45
4.	Rahim Yar Khan	39
5.	Mangla	30
6.	Phulra	14
7.	Bahawalpur (Airport)	11
8.	Bhanduwala	11
<b>B</b>	<b>Sindh</b>	
9.	Karachi	Masroor Base=69, Gulshan e Hadeed=60, Saddar=50, Kemari=50, Faisal Base=47, Nazimabad=45, Airport=41, Landhi=38, University Road=36, Sarjani Town=35, Jinnah Terminal=29, Sadi Town=25 & North Karachi=24
10.	Padidan	51
11.	Larkana	50
12.	Rohri	40
13.	Mirpur Khas	37
14.	Khanpur	33
15.	Sukkur	30
16.	Sakrand	27
17.	Dadu	22
18.	Jacobabad	21
19.	Shaheed Benazirabad	20
20.	Hyderabad	20
21.	Chhor	16
22.	Tando Jam	14
23.	Moin-jo-Daro	13
24.	Thatta	9

<b>C</b>	<b>Khyber Pakhtunkhwa</b>	
1.	Balakot	61
2.	Kakul	22
3.	Shinkiari	11
<b>D</b>	<b>Balochistan</b>	
1.	Ormara	88
2.	Sibbi	76
3.	Pasni	62
4.	Khuzdar	51
5.	Lasbela	38
6.	Khuzdar	17
7.	Ziarat	16
8.	Gawadar	12
9.	Ziarat	10
10.	Kalat	7
11.	Ormara	6
12.	Panjgur	6
<b>E</b>	<b>Azad Jammu &amp; Kashmir</b>	
13.	Kotli	98
14.	Nauseri	30
15.	Brarkot	28
16.	Palandri	22
17.	Muzaffarabad	(City=20 & Airport=06)
18.	Sehrkakota	20
19.	Rawalakot	14
20.	Domel	10
21.	Panjera	9
22.	Hajira	9
23.	Chattar Kallas	5

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