



**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  
SUNDAY AUGUST 09, 2020**

**Rivers/ Reservoirs Position:**

All main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing in "Normal Flow Condition" with no riverine flood situation in the country. 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**.

2. Water level in **Mangla reservoir** is at **1232.80 feet** leaving behind a storage space of **9.20 feet** to attain its MCL of **1242.00 feet**. In view of higher level of **Mangla reservoir**, extra vigilance by the Mangla Dam Management, Flood Mitigation Committee (FMC), IRSA and FFD, Lahore is seen as an absolute necessity to ensure dam safety and to regulate any surplus flood water as a consequence of any flood generating meteorological activity.

**Flash Flooding in Balochistan:**

3. Heavy rains in various parts of Balochistan during the past 24-36 hours has generated flash flood flows in hill torrents & local nullahs of Districts Khuzdar, Jhal Magsi, Lasbela, Gwadar, Kachhi, Dera Bugti & surroundings areas. According to PDMA Balochistan, 70 persons struck in flash flood flows of Mula River in District Khuzdar were rescued by the DDMA Khuzdar and Khuzdar Levies. Flood water also affected about 25-30 villages in District Jhal Magsi. Two levies check posts have reportedly been partially damaged due to flood water in District Dera Bugti.

4. Besides the above, severe damages have reportedly occurred to a bridge on Coastal Highway in District Gwadar, as reported yesterday. Bibi Nani bridge in District Bolan has also been partially damaged, the traffic flow between Quetta to Jacobabad is suspended. Flash flood flows affected the traffic movement between Quetta and Jacobabad whereas Sibbi-Kohlu Road remain blocked due to land sliding. The concerned Provincial and Federal Government organizations are busy in restoring the blocked sections of Highways, whereas PDMA/ District Administrations with the help of Pak Army are busy in rescue and relief activities.

**Urban and Flash Flooding in Sindh:**

5. Torrential rains continuing since the last 72 hours (August 6, 7 & 8, 2020) in various parts of Sindh Province i.e. Karachi, Hyderabad, Shaheed Benazirabad, Skrand, Tando Jam and Thatta etc. have caused urban flooding. PDMA has reported 6 deaths and partial damages to few houses. PDMA, DDMA/District Administrations and Pak Army are busy in rescue and relief activities. Detailed assessment of the damages is underway by the respective District Administrations.

6. Torrential rains in Hill Torrents of Khirther range has generated flash flood flows in **Nai Gaj** in District Dadu. The flood water has breached the **Flood Diversion Bund** of Nai Gaj Dam between **RD 11+000 to RD 15+000** (around 4,000 feet breach). The F.P. Bund has also breached at three locations near RD 75+000 in Tehsil Johi of District Dadu, as telephonically reported by the concerned Executive Engineer of Irrigation Department, Government of Sindh which has inundated the vast area. The XEN concerned also informed that water level has started receding. Work on plugging the breaches is being started at site.


### **Weather & Rainfall Forecast:**

7. According to FFD, Lahore, light to moderate **moist currents from Arabian Sea** are penetrating into upper parts of the country upto 5,000 feet whereas **Seasonal Low** lies over Northeastern Balochistan. Yesterday's **Well Marked Monsoon Low** in Arabian Sea has become insignificant while yesterday's **Trough of Westerly Wave** over Northern parts of Afghanistan today lies over Northeastern Afghanistan & adjoining Pakistan.

8. Under the influence of prevailing weather system, FFD, Lahore, has predicted scattered thunderstorm/rain of moderate intensity with isolated **Heavy Falls** over Punjab (**Rawalpindi & Gujranwala Divisions**), Khyber Pakhtunkhwa (**Malakand, Hazara & D.I. Khan Divisions**) and Balochistan (**Makran Division**) including upper catchments of all major rivers during the next 24 hours. Isolated thunderstorm/rain may also occur over rest of the Punjab, South & Southeastern Sindh, Khyber Pakhtunkhwa and Balochistan during the same period. Some prominent rainfall events of last 24 hours may be seen at **Annexure-II**.

9. As a consequence of predicted weather situation, Sharp peaks upto Low to Medium 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 the next 72 hours.

10. Round-the-clock active monitoring of prevailing weather systems (Moist currents from Arabian Sea, Westerly Wave and Seasonal Low) is being done by Pakistan Meteorological Department (PMD) especially with regard to further movement, intensity and impact on Pakistan and is keeping all concerned fully abreast of the situation through FFD, 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 09-08-2020

**Discharges at Important River Sites  
August 09, 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	206,000	138,000	650,000	Normal
▪ Kalabagh	950,000	124,000	115,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	168,000	161,000	650,000	Normal
▪ Taunsa ^	1,000,000	185,000	162,000	650,000	Normal
▪ Guddu	1,200,000	149,000	156,000	700,000	Normal
▪ Sukkur ^^	900,000	139,000	110,000	700,000	Normal
▪ Kotri	875,000	57,000	37,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		31,000	200,000	Normal
▪ Nowshera			39,000	200,000	Normal
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			12,000	150,000	Normal
▪ Munda Head Works ^^^	150,000		7,000	150,000	Normal
▪ Charsadda Road Bridge			7,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	27,000	13,000	225,000	Normal
▪ Rasul	850,000	15,000	12,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	77,000	46,000	400,000	Normal
▪ Khanki	1,100,000	40,000	32,000	400,000	Normal
▪ Qadirabad	900,000	29,000	12,000	400,000	Normal
▪ Trimmu	645,000	13,000	NIL	450,000	Normal
▪ Panjnad	700,000	19,000	6,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		14,000	150,000	Normal
▪ Shahdara	250,000		22,000	135,000	Normal
▪ Balloki	225,000	43,000	11,000	135,000	Normal
▪ Sidhnai	150,000	21,000	7,000	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) +

Reservoir Elevation ( in Feet Above Mean Sea Level )		2020	2019	2018	Maximum	Today	Last Year	
<b>Tarbela:</b>	Maximum Conservation Level:	1550.00	1496.85	1544.00	1529.23	5.980	3.200	5.706
	Minimum Operating Level:	1392.00						
<b>Chashma:</b>	Maximum Conservation Level:	649.00	644.10	641.50	643.00	0.278	0.103	0.049
	Minimum Operating Level:	637.00						
<b>Mangla:</b>	Maximum Conservation Level:	1242.00	1232.80	1201.70	1158.40	<u>7.356</u>	<u>6.635</u>	<u>4.440</u>
	Minimum Operating Level:	1050.00						
<b>Total Live Storage</b>					<b>13.614</b>	<b>9.938</b>	<b>10.195</b>	

Skardu Temperature	Today 2020	Last year 2019
<b>Maximum</b>	36.2 °C	36.6 °C
<b>Minimum</b>	18.5 °C	18.3 °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.

^ As per PID, Punjab's letter No. IWT&amp;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)
<b>A Punjab</b>		
1.	Lahore	Gulberg=45, Upper Mall=39, Airport=38, Taj Pura=31, Jail Road=18, Punjab University & Johar Town=10(each)
2.	Haraman	42
3.	Murree	23
<b>B Sindh</b>		
1.	Mithi	56
2.	Karachi	Sarjani Town =47, Sadi Town=44, Gulshan e Hadeed =36, Masroor=35, Faisal Base & North Karachi = 34(each), Saddar=25, University Road & Jinnah Terminal=20(each) , Kemari=17, Nazimabad=15
3.	Jacobabad	15
4.	Badin	13
<b>C Khyber Pakhtunkhwa</b>		
1.	Buner	53
2.	Kakul	41
3.	Oghi	35
4.	Malam Jabba	32
5.	Cherat	20
6.	Daggar	15
<b>D Balochistan</b>		
1.	Mastung	31
2.	Barkhan	25
3.	Gawadar	21
4.	Ormara	20
5.	Kalat	17
6.	Kharan	13
<b>E Azad Jammu &amp; Kashmir</b>		
1.	Nauseri	85
2.	Balakot	83
3.	Kotli	44
4.	Palandri	41
5.	Muzaffarabad	(City=38, Airport=26)
6.	Domel	35
7.	Brarkot	31
8.	Chattar Kallas	22
9.	Tandali	10

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