



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
WEDNESDAY, JULY 01, 2020

Monsoon Season 2020 has set in and issuance of **Daily Weather & Flood Situation Report** has started effectively from today. The Flood Communication Cell (FCC) of Federal Flood Commission (FFC) is already functional on Round-the-Clock basis with effect from **June 15, 2020**. During Monsoon Season, the Indus River System and its major tributaries including Hill Torrents and flood flow generating Nullahs shall be monitored with regard to their discharges/flood flows and safety of irrigation, drainage and flood protection infrastructure across the Country.

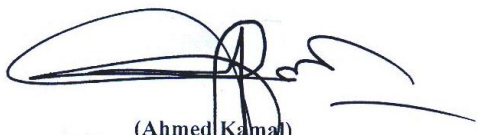
2. At present all main rivers (Indus, Jhelum, Chenab, Ravi & Sutlej) are flowing normal. Actual river flows and reservoir (Tarbela, Chashma & Mangla) elevations may be seen at **Annexure-I**, indicating Tarbela & Mangla reservoirs at elevations of **1463.06 feet** and **1217.00 feet** respectively (i.e. **86.94 feet & 25.00 feet** below respective **Maximum Conservation Levels**). Today's Combined Live Storage capacity of Tarbela, Chashma & Mangla reservoirs is **7.211 MAF** (52.96 % of existing **13.614 MAF**). This is much healthier than last year's combined live storage of 1.621 MAF on the same day.

3. It is worth mentioning that Mangla reservoir has attained a much higher level of **1217.00 feet** as compared to last year's **1136.00 feet**. It is likely that the Mangla Dam may attain its Maximum Conservation Level (MCL) of **1242 feet** earlier than the routine filling plan, in case good monsoon rain spells are witnessed. The Dam Management Authorities are advised to take utmost care and vigilance in operation and strictly follow SOPs and Dam safety guidelines.

4. As per Flood Forecasting Division (FFD), Lahore, a trough of Westerly Wave lies over Northern parts of Iran whereas Weak Seasonal Low lies over North-Eastern Balochistan. At present, weak moist currents from Arabian Sea are penetrating into the upper parts of Pakistan upto 3000 feet.

5. The existing meteorological conditions may result into isolated thunderstorm/rain over Punjab (Rawalpindi, Sargodha, Lahore, Multan and D.G. Khan Divisions), Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar, Kohat and D.I. Khan Divisions), Kashmir, North-Eastern Balochistan, besides over the upper catchments of rivers Indus, Jhelum and Chenab during the next 24 hours. Significant rainfall events during the past 24 hours may be seen at **Annexure-II**.

6. Pakistan Meteorological Department (PMD) is monitoring the present weather system on Round-the-Clock basis and accordingly keeping all concerned informed through FFD, Lahore.


(Ahmed Kamal)
Chief Engineering Advisor/
Chairman, Federal Flood Commission

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2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.

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11. Chairman, National Highway Authority, Islamabad.
12. Chairman, Indus River System Authority, Islamabad.
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32. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
33. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
34. Principal Information Officer, Press Information Department, Islamabad.
35. Director (News), Associated Press of Pakistan, Islamabad.
36. Director (News), Pakistan Television , Islamabad.
37. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
U.O. No. FC-I (31)/2020, dated 01-07-2020

**Discharges at Important River Sites
July 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	145,000	153,000	650,000	Normal
▪ Kalabagh	950,000	217,000	210,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	222,000	216,000	650,000	Normal
▪ Taunsa [^]	1,000,000	201,000	180,000	650,000	Normal
▪ Guddu	1,200,000	157,000	119,000	700,000	Normal
▪ Sukkur ^{^^}	900,000	110,000	53,000	700,000	Normal
▪ Kotri	875,000	44,000	2,000	650,000	Normal
River Kabul					
▪ Warsak	540,000		45,000	200,000	Normal
▪ Nowshera			66,000	200,000	Normal
River Swat (Tributary of Kabul)					
▪ Chakdara Bridge			20,000	150,000	Normal
▪ Munda Head Works ^{^^^}	150,000		8,000	150,000	Normal
▪ Charsadda Road Bridge			14,000	100,000	Normal
River Jhelum					
▪ Mangla Reservoir	1,060,000	48,000	17,000	225,000	Normal
▪ Rasul	850,000	16,000	8,000	225,000	Normal
River Chenab					
▪ Marala	1,100,000	62,000	30,000	400,000	Normal
▪ Khanki	1,100,000	37,000	29,000	400,000	Normal
▪ Qadirabad	900,000	44,000	22,000	400,000	Normal
▪ Trimmu	645,000	31,000	16,000	450,000	Normal
▪ Panjnad	700,000	20,000	4,000	450,000	Normal
River Ravi					
▪ Jassar	275,000		9,000	150,000	Normal
▪ Shahdara	250,000		23,000	135,000	Normal
▪ Balloki	225,000	41,000	9,000	135,000	Normal
▪ Sidhnai	150,000	19,000	5,000	90,000	Normal
River Sutlej					
▪ Suleimanki	325,000	20,000	7,000	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	
Tarbela:	Maximum Conservation Level:	1550.00	1463.06	1405.04	1402.28	5.980	1.729	0.182
	Minimum Operating Level:	1392.00						
Chashma:	Maximum Conservation Level:	649.00	639.10	646.00	640.30	0.278	0.011	0.153
	Minimum Operating Level:	637.00						
Mangla:	Maximum Conservation Level:	1242.00	1217.00	1136.60	1115.40	<u>7.356</u>	<u>5.471</u>	<u>1.286</u>
	Minimum Operating Level:	1050.00						
Total Live Storage					13.614	7.211	1.621	

Skardu Temperature	Today 2020	Last year 2019
Maximum	31.9 °C	24.6 °C
Minimum	14.2 °C	13.0 °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)
1.	Multan	(Shujabad=44, Airport= 40, Chungi No.9=20, Mumtazabad=15 & Sameejabad=13)
2.	D.G. Khan	(Airport= 22 & Fort Munro=07)
3.	Khanewal	18
4.	Ziarat	10
5.	Muslim Bagh	06
6.	Parachinar	05

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