



**Government of Pakistan  
Ministry of Water and Power  
Office of Chief Engineering Advisor/  
Chairman, Federal Flood Commission**

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**DAILY FLOOD SITUATION REPORT  
MONDAY JULY 17, 2017**

All main rivers i.e. River Indus, Jhelum, Chenab, Ravi and Sutlej are flowing normal, except for River Kabul, which is flowing in Low Flood in Warsak-Nowshera Reach. River Swat is also flowing in Low Flood at Chakdara Bridge. Presently Tarbela & Mangla Reservoirs are at elevations of **1511.37 feet** & **1214.95 feet**, which are **38.63 feet** & **27.05 feet** below their respective Maximum Conservation Levels of 1550.00 feet and 1242.00 feet. The Combined Live Storage of Tarbela, Chashma & Mangla reservoirs as of today is **9.608 MAF** (69.34 % of total live storage capacity) as compared to the last year's **10.631 MAF**. Actual river flows recorded at important control points today at 0600 hours may be seen at **Annexure-I**. The Dam Management Authorities are advised to take utmost care and vigilance in reservoir operation and strictly follow SOPs & associated safety guidelines.

2. As per Flood Forecasting Division (FFD), Lahore, Monsoon Low over Southwest Rajasthan (India) has become insignificant, whereas, another Monsoon Low still persists over Northwest Bay of Bengal. Trough of Westerly Wave also continues to prevail over Northern parts of the country, besides, Seasonal Low which lies over Northern Balochistan. At reporting time moist currents from Bay of Bengal were penetrating into upper parts of the country upto 5000.

3. For the next 24 hours FFD, Lahore, has predicted scattered thunderstorm/rain with isolated heavy falls over Punjab (Rawalpindi, Gujranwala, Lahore, Sargodha & D.G. Khan Divisions) and Khyber Pakhtunkhwa (Malakand, Hazara, Peshawar & Kohat Divisions), besides, over upper catchments of Rivers Indus, Jhelum, Chenab, Ravi & Sutlej. During the same period, isolated thunderstorm/ rain is also expected over Sindh & Eastern Balochistan. As a result, the local Nullahs i.e. tributaries of River Chenab may generate Low to Medium Flooding. **For the next two days (18<sup>th</sup>-19<sup>th</sup> July 2017) moderate rainfall with isolated heavy falls may occur over the upper catchments of all major rivers, including Khyber Pakhtunkhwa and Punjab.**

4. Significant rainfall events reported by FFD, Lahore during the past 24 hours include: Kakul=50 mm, Alexandra Bridge=47 mm, Marala=41 mm, Gujrat=39 mm, Kotli=37 mm, Mandi Bahauddin & Malamjabba=35 mm each, Hattian Bala=33 mm, Jhelum & Mirpur Khas=31 mm each, Islamabad=29 mm, Kallar=28 mm, Mangla=22 mm, Balakot=21 mm, Talhatta=20 mm, Chattarkallas & Daggar=17 mm each, Phulra & Shinkiari=15 mm each, Domel=14 mm, Palote & Oghi=13 mm each, Lahore=12 mm, Sialkot=11 mm, Zhob & Palandri=10 mm each, Warsak, Sehrkakota & Muzaffarabad=09 mm each, Besham & Mianwali=08 mm each, Chakdara, Dir & Garhi Dupatta=07 mm each, Cherat=06 mm and Karachi, Joharabad, Ormara & Parachinar=05 mm each.

5. The **Weather and Flood Forecast** including last 24 hours rainfall has been based on Daily Bulletin of FFD, Lahore, received today at 11:00 AM. The present Monsoon Weather System is being closely monitored by PMD. All concerned are being kept informed on **Round-the-Clock** basis by the FFD, Lahore/ PMD as per prevailing SOPs.

( Ahmed Kamal )  
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## **Distribution:**

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33. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
34. Director General, FATA Disaster Management Authority, Peshawar.
35. Director General (Irrigation & Small Dams), Government of AJ&K, Muzaffarabad.
36. Principal Information Officer, Press Information Department, Islamabad.
37. Director (News), APP, Islamabad.
38. Director (News), PTV, Islamabad.
39. Flood Cell, General Staff Branch, Engineer Directorate, GHQ, Rawalpindi.
40. Director, Irrigation & Hydel Power, FATA Secretariat, Warsak Road, Peshawar.

U.O. No. FC-I (31)/2017, dated 17-07-2017

**Discharges at Important River Sites  
July 17, 2017 at 0600 Hours**

(Figures in Cusecs)

Structures	Designed Capacity	Actual Flow		Comparative Danger (VHF) Classification	Actual Flood Classification **
		In Flow	Out Flow		
<b>River Indus</b>					
▪ Tarbela Reservoir	1,500,000	275,000	118,000	650,000	Normal
▪ Kalabagh	950,000	181,000	173,000	650,000	Normal
▪ Chashma Reservoir	1,000,000	227,000	221,000	650,000	Normal
▪ Taunsa ^	1,000,000	225,000	204,000	650,000	Normal
▪ Guddu	1,200,000	194,000	159,000	700,000	Normal
▪ Sukkur *	1,500,000	128,000	74,000	700,000	Normal
▪ Kotri	875,000	60,000	27,000	650,000	Normal
<b>River Kabul</b>					
▪ Warsak	540,000		42,000	200,000	Low Flood (R)
▪ Nowshera			58,000	200,000	Low Flood (R)
<b>River Swat (Tributary of Kabul)</b>					
▪ Chakdara Bridge			27,000	150,000	Low Flood (S)
▪ Munda Head Works			17,000	150,000	Normal
▪ Charsadda Road Bridge			14,000	100,000	Normal
<b>River Jhelum</b>					
▪ Mangla Reservoir	1,060,000	94,000	10,000	225,000	Normal
▪ Rasul	850,000	9,000	5,000	225,000	Normal
<b>River Chenab</b>					
▪ Marala	1,100,000	100,000	66,000	400,000	Normal
▪ Khanki ^	1,100,000	101,000	92,000	400,000	Normal
▪ Qadirabad	900,000	93,000	71,000	400,000	Normal
▪ Trimmu	645,000	52,000	37,000	450,000	Normal
▪ Panjnad	700,000	18,000	2,000	450,000	Normal
<b>River Ravi</b>					
▪ Jassar	275,000		5,000	150,000	Normal
▪ Shahdara	250,000		27,000	135,000	Normal
▪ Balloki	225,000	48,000	16,000	135,000	Normal
▪ Sidhnai	150,000	18,000	3,000	90,000	Normal
<b>River Sutlej</b>					
▪ Suleimanki	325,000	18,000	5,000	175,000	Normal
▪ Islam	300,000	2,000	NIL	175,000	Normal

Live Storage (MAF) +

Reservoir Elevation (Feet Above Mean Sea Level)		<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>Maximum</u>	<u>Today</u>	<u>Last Year</u>
Tarbela (Maximum Conservation Level)	1550.00)	1511.37	1515.87	1520.00	6.174	4.094	4.473
(Dead Level)	1380.00)						
Chashma (Maximum Conservation Level)	649.00)	645.30	644.00	644.00	0.276	0.135	0.103
(Dead Level)	637.00)						
Mangla (Maximum Conservation Level)	1242.00)	1214.95	1224.40	1231.75	<u>7.406</u>	<u>5.379</u>	<u>6.055</u>
(Dead Level)	1040.00)						
<b>Total Live Storage</b>					<b>13.856</b>	<b>9.608</b>	<b>10.631</b>

**Today's Skardu Temperature: Maximum 34.5 °C Minimum 20.5 °C**  
**Last Year's Skardu Temperature: Maximum 26.7 °C Minimum 14.3 °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

\* For Reservoirs, discharges (Inflows/Outflows) are averages of 24 hours.

\*\* 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. IWT&amp;R/14/1108/04/97 dated 17-09-2014 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