

Government of Pakistan Ministry of Water Resources Office of Chief Engineering Advisor/ Chairman, Federal Flood Commission

> 6-Attaturk Avenue, G-5/1, Islamabad Fax No. 051-9244621 & www.ffc.gov.pk

## DAILY WEATHER & FLOOD SITUATION REPORT TUESDAY JULY 16, 2019

## **<u>River/Reservoirs/Weather Situation</u>**:

River Indus is in Low Flood at Chashma Barrage and River Kabul in Medium Flood in Warsak – Nowshera Reach. All other main rivers are in "No Flood" condition. Actual river flows and reservoir elevations (Annexure-I) indicate Combined Live Storage of three major reservoirs as **5.049 MAF** i.e. **36.90** % of the total Combined Live Storage Capacity (i.e. **13.683** MAF).

Deep Trough of Westerly Wave continues to persist over Northern parts of Pakistan. Also marked Seasonal Low continues to prevail over Northern Balochistan with its trough extending Northeastwards. This Seasonal Low is bringing **Moderate to Strong** moist currents from Arabian Sea which are penetrating into upper parts of the country upto 5000 feet.

## **Future Forecast:**

For the ensuing 24 hours, widespread thunderstorm/ rain with isolated **Heavy Falls** including one or two **Very Heavy Falls** are expected over Gujranwala, Lahore & Sahiwal Divisions of Punjab, besides, over the upper catchments of Rivers Chenab, Ravi & Sutlej. Scattered thunderstorm/rain with isolated **Heavy Falls** including one or two **Very Heavy Falls** are also expected over Rawalpindi, Faisalabad, Sargodha, Bahawalpur & D.G.Khan Divisions (Punjab), Malakand, Hazara, Peshawar, Kohat, Bannu & D.I.Khan Divisions of Khyber Pakhtunkhwa and over the upper catchments of Rivers Indus & Jhelum during the same next 24 hours.

<u>For the next 72 hours</u>, FFD, Lahore has further predicted **Moderate to Heavy** intensity rainfall with one or two **Very Heavy Falls** over Rawalpindi, Gujranwala, Lahore, Faisalabad & Sargodha Divisions (Punjab), Khyber Pakhtunkhwa including the upper catchments of all major rivers. Moderate intensity rainfall (with one or two **Heavy Falls**) may also occur over D.G. Khan Division of Punjab & Northeastern Balochistan. **Another active Monsoon System is likely to impact over upper parts of Pakistan towards end of this week.** 

#### Likely Impact:

Peaks of High Flood may be experienced under the influence of prevailing weather system in Jhelum River upstream of Mangla (upto 23<sup>rd</sup> July 2019). Low to Medium flood in Hasri, Bein, Basanter, Ujh, Jhajri, Kather & Deg nullahs feeding River Ravi and Palku, Aik & Bhimber nullahs feeding River Chenab, besides, hill torrents of D.G. Khan Division. Urban flooding in Rawalpindi, Sargodha, Gujranwala & Lahore Districts is expected resultantly. Rainfall occurred during the past 24 hours as reported by the FFD, Lahore is depicted in **Annexure-II.** 

#### **Reportable Incident:**

A Cloud Burst Incident took place on July 14, 2019 (late night) in Leswa Village, District Neelum, AJ&K. Initial report obtained from SDMA, AJ&K today (0945 hours) indicated 22 people as missing, 5 injured, damage to over 150 houses (including 2 mosques). Detailed damages are being assessed. Concerned District Administration Authorities alongwith Pak Army are engaged in rescue and relief activities.

All concerned authorities are advised to remain **Fully ALERT** and ensure fool proof precautionary measures. PMD Islamabad and FFD, Lahore are monitoring the current weather situation on Round-the-Clock basis. All related are being kept informed by FFD, Lahore as per its SOPs.

(Ahmed K Chief Engineering Advisor/ Chairman, Federal Flood Commission

## **Distribution**:

- 1. Minister for Water Resources, Islamabad.
- 2. Minister for Planning, Development & Reforms, Islamabad.
- 3. Secretary to the Prime Minister, Prime Minister's Office, Islamabad.

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# **Distribution**:

- 4. Secretary, Ministry of Water Resources, Islamabad.
- 5. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
- 6. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
- 7. Chief Executive Officer, Pakistan Railways, Lahore.
- 8. Member (Infrastructure), Planning Commission, Islamabad.
- 9. Pakistan Commissioner for Indus Waters (PCIW), Lahore.
- 10. Chairman, WAPDA, WAPDA House, Lahore.
- 11. Chairman, National Highway Authority, Islamabad.
- 12. Chairman, Indus River System Authority, Islamabad.
- 13. Member (Water), WAPDA, WAPDA House, Lahore.
- 14. Director General, Pakistan Meteorological Department, Islamabad.
- 15. Chief Secretary, Government of the Punjab, Lahore.
- 16. Chief Secretary, Government of Sindh, Karachi.
- 17. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
- 18. Chief Secretary, Government of Balochistan, Quetta.
- 19. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
- 20. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
- 21. Secretary, Irrigation Department, Government of the Punjab, Lahore.
- 22. Secretary, Irrigation Department, Government of Sindh, Karachi.
- 23. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
- 24. Secretary, Irrigation Department, Government of Balochistan, Quetta.
- 25. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
- 26. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
- 27. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
- 28. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
- 29. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
- 30. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
- 31. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
- 32. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
- 33. Deputy Commissioner, Muzaffarabad, 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.
- 38. Director, Irrigation & Hydel Power Merged Area Secretariat, Peshawar.
  - U.O. No. FC-I (31)/2019, dated 16-07-2019

#### **Discharges at Important River Sites** July 16, 2019 at 0600 Hours

		July 16, 2	019 at 0600	nours		(Fig	ures in Cusecs)	
Structures		Designed	Actual Flow		Compa		Actual Flood	
		Capacity	In Flow	<b>Out Flow</b>	Dan	0		
					(VH			
					Classifi	cation		
River Indu							N7 1	
	rbela Reservoir	1,500,000	258,000	117,000		50,000	Normal	
	labagh	950,000	214,000	206,000		50,000	Normal	C)
	ashma Reservoir	1,000,000	261,000	250,000		50,000	Low Flood (	5)
	unsa	1,000,000	260,000	241,000		50,000	Normal Normal	
	ıddu	1,200,000	223,000	182,000		00,000	Normal	
	kkur ^^	900,000 875,000	141,000 39,000	82,000 1,000		00,000 50,000	Normal	
• Ko		875,000	39,000	1,000	0.	50,000	normai	
River Kabu		540,000		64,000	-	00,000 N	fedium Flood	
<ul><li>Warsak</li><li>Nowshera</li></ul>		540,000		102,000			Aedium Flood	
- 110	wshela			102,000	2	00,000 N	feurum r 1000	(3)
	(Tributary of Kabul)							
	akdara Bridge			13,000		50,000	Normal	
	unda Head Works	150,000		18,000		50,000	Normal	
<ul> <li>Ch</li> </ul>	arsadda Road Bridge			12,000	1	00,000	Normal	
River Jhelu	ım							
<ul> <li>Mangla Reservoir</li> </ul>		1,060,000	61,000	12,000	2	25,000	Normal	
<ul> <li>Rasul</li> </ul>		850,000	8,000	NIL	2	25,000	Normal	
<b>River</b> Chen	ab							
<ul> <li>Marala</li> </ul>		1,100,000	84,000	54,000	4	00,000	Normal	
<ul> <li>Khanki</li> </ul>		1,100,000	50,000	43,000	4	00,000	Normal	
<ul> <li>Qadirabad</li> </ul>		900,000	57,000	35,000		00,000	Normal	
<ul> <li>Trimmu</li> </ul>		645,000	38,000	23,000		50,000	Normal	
<ul> <li>Panjnad</li> </ul>		700,000	24,000	8,000	4:	50,000	Normal	
<b>River Ravi</b>								
<ul> <li>Jassar</li> </ul>		275,000		4,000		50,000	Normal	
<ul> <li>Shahdara</li> </ul>		250,000		18,000		35,000	Normal	
<ul> <li>Balloki</li> </ul>		225,000	41,000	9,000		35,000	Normal	
	lhnai ·	150,000	18,000	3,000		90,000	Normal	
River Sutle		225 000	15 000	2 000	1/	75 000	Nerral	
<ul><li>Su</li><li>Isla</li></ul>	leimanki	325,000 300,000	15,000 1,000	3,000 NIL		75,000 75,000	Normal Normal	
- 151		500,000	1,000		<b>1</b>		Live Storage (I	MAF) <sup>+</sup>
Reservoir F	Elevation ( in Feet Above	Mean Sea Level )	<u>2019</u>	<u>2018</u>	<u>2017</u>	Maximum		Last Yea
Tarbela:	Maximum Conservation			1420.17	1507.10	6.049	2.453	0.578
Chashma:	Minimum Operating Lev Maximum Conservation			643.30	644.60	0.278	0.139	0.085
Chashima:	Minimum Operating Lev			043.30	044.00	0.270	0.139	0.065
Mangla:	Maximum Conservation			1124.10	1213.95	7.356	<u>2.457</u>	0.900
mangla.	Minimum Operating Lev			1127.10	1210.70	1.550	<u>2.737</u>	0.700
	initial operating Lev	1050.00	T-4-1 I	640.000		12 (92	5 0 4 0	1 5(2

1 0	Total Live Storage	13.683 5.04	49 1.563
Skardu Temperature	Today 2019 ( <sup>0</sup> C)	Last year 2018 ( <sup>0</sup> C)	
Maximum	33.6	37.3	
Minimum	20.0	15.4	
Skardu Daily Temperature (Last Wee	ek)		
Date	Maximum Temp. ( <sup>0</sup> C)	Minimum Temp. ( <sup>0</sup> C)	
12/07/2019	32.4	20.0	
13/07/2019	34.5	23.0	
14/07/2019	32.3	23.0	
15/07/2019	32.0	14.3	

#### NOTES: "Mild" Categories

Low Flood: Medium Flood: High Flood:

River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas River partly inundating river islands/belas River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories Very High Flood (VHF): Exceptionally High Flood (EHF):

River flowing between high banks/bunds with encroachment on the freeboard 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/x39 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		
1.	Lahore	(Luckshami=100 mm, Shahi Qilla=96 mm,		
		Airport=76 mm, Gulberg=74 mm, Jail Road=72		
		mm, Misri Shah=71 mm, Samanabad=69 mm,		
		Gulshan-e-Ravi=65 mm, Upper Mall=59 mm,		
		Shahdara=53 mm, Iqbal Town=41 mm, Tajpura=36		
		mm, Township & Mughalpura=26 mm each, Punjab University=20 mm, & Johar Town=17 mm)		
2.	Tobe Tel Singh	69 mm		
<u> </u>	Toba Tek Singh	58 mm		
<u> </u>	Bandi Abbaspur Brarkot	58 mm		
4. 5.	Balakot	44 mm		
<u> </u>	Kasur			
0. 7.	Warsak	36 mm 35 mm		
7. 8.	Muzaffarabad			
		(City=36 mm & Airport=07 mm)		
9.	Kamra & Domel	25 mm		
10.	Attock	22 mm		
11.	Mandi Bahauddin	21 mm		
12.	Chakwal	16 mm		
13.	Chakothi & Cherat	14 mm each		
14.	Rawalakot, Buner & Aik	12 mm each		
	Nullah(Ura)			
15.	Islamabad	New Airport=9 mm		
16.	Mangla, Haraman & Hajira	8 mm each		
17.	Risalpur, Kohat & DG khan	5 mm each		

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