



F.2 (E)/2023-NDMA (MW/SITREP-57)
**Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD**



Dated: **21 August 2023**

Subject: **NDMA Monsoon 2023 - Daily Situation Report No. 57**

NDMA Monsoon 2023 Daily Situation Report No **57**, covering period from **1300 hours 20th August 2023 to 1300 hours 21st August 2023** is enclosed for information/necessary action, please.

(Muhammad Ali Khan)

Director (Response)

Telephone No: 051-9030924

Fax: 051-9030729

To: Federal Ministries & Departments (Interior, Planning, Food Security & Research, National Health Services, Information & Broadcasting, Climate Change, Pakistan Railways, Communications, Energy & Water Resources, Finance, Information and Broadcasting (MOIB), Press Information Department (PID), Economic Affairs Division (EAD)
Chief Secretaries, Provincial Governments, GB and AJ&K
Director Generals, PDMAs, GBDMA & SDMA
Director Generals, Rescue 1122 (Punjab, Sindh, Balochistan, KP, GB & AJ&K)
Director General, Climate Change and Coastal Development, Government of Sindh
Director General, Sindh Coastal Development Authority, Karachi
Director General, Balochistan Coastal Development Authority
Chairman, National Highway Authority, Islamabad
Inspector General, National Highways & Motorway Police, Islamabad
Chairman, Pakistan Telecommunications Authority, Islamabad
Chairman, Federal Flood Commission, Islamabad
Chairman, Pakistan Tourism Development Corporation, Islamabad
Managing Director, National Transmission & Dispatch Corporation, Lahore
Principal Information Officer, Press Information Department, Islamabad
Commissioner Islamabad
Headquarters, Pakistan Maritime Security Agency, Karachi
Deputy Commissioner Islamabad
Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt
Staff Duties Directorate (SD Coord), General Headquarters, Rawalpindi
Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt
ACNS (Operations), Naval Headquarters, Islamabad
ACAS (Operations), Air Headquarters, Islamabad
Headquarters, Frontier Works Organization (FWO), Rawalpindi
GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi Cantt
Headquarters, Pakistan Coast Guards, Karachi
Divisional Superintendent, Pakistan Railways Karachi

Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad
Secretary, Cabinet Division, Islamabad

ID: PRO
DD (ICT)

MONSOON 2023 - DAILY SITUATION REPORT NO -57
(PERIOD COVERED: 1300 HRS-20 AUGUST 2023 TO 1300 HRS-21 AUGUST 2023)

1. **Casualties and Injuries (Last 24 hours)**

a. **Deaths**

Province/ Region	District	Deaths				Remarks
		M	F	C	T	
Balochistan	-	0	0	0	0	
KP	-	0	0	0	0	
Punjab	-	0	0	0	0	
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
AJ&K	-	0	0	0	0	
Islamabad Capital Territory		0	0	0	0	
TOTAL		0	0	0	0	

b. **Injuries**

Province/ Region	District	Injures				Remarks
		M	F	C	T	
Balochistan	-	0	0	0	0	
KP	-	0	0	0	0	
Punjab	-	0	0	0	0	
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
AJ&K	-	0	0	0	0	
Islamabad Capital Territory		0	0	0	0	
TOTAL		0	0	0	0	

2. **Damage of Infrastructure & Private Properties (Last 24 hours)**

a. **Houses Damaged and Livestock Perished**

Province/ Region	District	House Damage			Livestock
		Partial	Full	Total	
Balochistan	-	0	0	0	0
KP	-	0	0	0	0
Punjab	-	0	0	0	0
Sindh	-	0	0	0	0
GilgitBaltistan	-	0	0	0	0
AJ&K	-	0	0	0	0
Islamabad Capital Territory		0	0	0	0
TOTAL		0	0	0	0

b. **Roads, Bridges and Other Infrastructure Damaged in Last 24 hours**

Province/ Region	District	Roads/ Tracks			Bridge				
		Length of road damaged	Nature/ extent of damage (fully/ partially washed away/ water over flow)	Traffic situation (Alternate route/ diversion available)	Number of Bridges	Type of bridge	Length of bridge	Nature/ Extent of Damage fully/ partially washed away/ water over flow)	Traffic situation (Alternate route/ diversion available)
Balochistan	-	-	-	-	-	-	-	-	-
KP	-	-	-	-	-	-	-	-	-
Punjab	-	-	-	-	-	-	-	-	-
Sindh	-	-	-	-	-	-	-	-	-
GB	-	-	-	-	-	-	-	-	-
AJ&K	-	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-

3. **Cumulative Casualties- Deaths / Injuries (From 25 Jun 2023 upto 1300 Hours on 21 August 2023): -**

Province/ Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
Balochistan	8	5	8	21	17	3	7	27
Khyber Pakhtunkhwa	16	9	34	59	35	19	32	86
Punjab	32	12	28	72	71	51	41	163
Sindh	10	4	10	24	5	4	1	10
Gilgit Baltistan	3	3	1	7	2	0	0	2
AJ&K	4	7	6	17	8	5	0	13
Islamabad Capital Territory	11	0	0	11	5	0	0	5
TOTAL	84	40	87	211	143	82	81	306

4. **Cumulative Damages of Infrastructure & Private Properties (From 25 Jun 2023 upto 1300 Hours on 21 August 2023):-**

Province/ Region	Roads (km)	Bridges	Houses			Livestock
			Partial	Full	Total	
Balochistan	22	4	2431	1762	4193	697
Khyber Pakhtunkhwa	0	0	459	105	564	285
Punjab	0	0	77	4	81	3
Sindh	0	0	324	18	342	213
Gilgit Baltistan	1.82	1	82	19	101	37
AJ&K	0	0	361	104	465	21
ICT	0	0	0	0	0	0
TOTAL	23.82	5	3734	2012	5746	1256

5. **Flood Relief Activities (Last 24 hours)**a. **Relief Camps Established**

Province/ Region	Districts	No of Camps	Camp Population
Balochistan			
Khyber Pakhtunkhwa			
Punjab			
Sindh			
Gilgit Baltistan			
AJ&K			
Islamabad Capital Territory			
TOTAL			

b. **Rescue Operations**

- (1) **Employment of Boats.** NTR.
- (2) **Employment of Aviation Assets.** NTR.
- (3) **Relief Activities in Last 24 hours.** NTR.

Province/ Region	District	Tents	Ration (Tons)	Blankets	Mosquito Nets	Plastic Mats	Sleeping Bags
Balochistan							
Khyber Pakhtunkhwa							
Punjab							
Sindh							
Gilgit Baltistan							
AJ&K							
Islamabad Capital Territory							
TOTAL							

6. **Cumulative Flood Relief Activities(From 25 Jun 2023 upto 1300 Hours on 21 August 2023): -**a. **Cumulative State of Relief Camps Established**

Province/ Region	Districts	No of Camps	Camp Population
Balochistan			
Khyber Pakhtunkhwa			
Punjab			
Sindh			
Gilgit Baltistan			
AJ&K			
Islamabad Capital Territory			
TOTAL			

b. **Cumulative State of Rescue Operations (From 25 Jun 2023 up to 1300 Hours on 21 August 2023): -**

- (1) **Employment of Boats.** NTR.
 (2) **Employment of Aviation Activates.** NTR.
 (3) **Relief Activities**

Province/ Region	District	Tents	Ration (Tons)	Blankets	Mosquito Nets	Plastic Mats	Sleeping Bags
Balochistan	NTR						
Khyber Pakhtunkhwa							
Punjab							
Sindh							
Gilgit Baltistan							
AJ&K							
Islamabad Capital Territory							
TOTAL							

7. **Dams and Reservoirs Level.** - Attached at **Annex A.**
 8. **Flood Alert / River Flows.** - Attached at **Annex B.**
 9. **Flows / Reservoirs Data Obtained from India.** - Attached at **Annex C.**
 10. **Rainfall Recorded During Last 24 Hours (0800-0800 hours each day).** - Attached at **Annex D.**

Note: *SITREP data is preliminary as provided by respective PDMA's / GBDMA / SDMA / ICT Administration, Govt Depts and is subject to change.*



GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000



BULLETIN No. B-068/23

Dated: - 21st August, 2023
Time: - 11:50 hours (PST)**I: WEATHER/RAINFALL FORECAST FOR NEXT 24-HRS:**

RIVERS	Upper Catchments (Above Rim Stations)	Lower Catchments (Below Rim Stations)	RESERVOIRS LEVEL (FEET) at (0600 PST)	
INDUS	Scattered wind thunderstorm/rain	Scattered wind thunderstorm/rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1549.10
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	-do-	Mainly Dry Weather (Bahawalpur Division)	Current:	1242.00
			Max Conservation:	1242.00

II: QUANTITATIVE FLOOD FORECAST OF GAUGING STATIONS (IN THOUSANDS OF CUSECS)

RIVERS	Stations	Design Capacity	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs (Inflow)	Qualitative Forecasted Flood Level (Inflow)	Max Flood Peaks (In Thousands of Cusecs)	
			Inflow	Outflow			Historical	Flood Season 2023
INDUS	Tarbela	1500	207.0	150.9	200-210	Below Low	832.0 (2010)	283.0
	Kalabagh	950	206.9	198.9	190-240	-do-	950.0 (1942)	373.4
	Chashma	950	253.8	232.6	235-255	Low	1038.9 (2010)	419.7
	Taunsa	1100	227.7	208.7	No Sig.change	Below Low	960.0 (2010)	439.9
	Guddu	1200	257.6	225.2	250-260	Low	1199.7 (1976)	482.9
	Sukkur	1500	216.0	161.1	No Sig.change	Below Low	1166.6 (1986)	448.1
	Kotri	875	162.1	121.8	-do-	-do-	980.3 (1956)	258.2
KABUL	Nowshera	-	32.5	32.5	-do-	-do-	391.3 (1990)	100.6
JHELUM	Mangla	1060	22.0	22.3	20-25	-do-	1090.0 (1992)	140.0
	Rasul	850	15.0	11.9	No Sig.change	-do-	952.2 (1992)	37.0
CHENAB	Marala	1100	61.1	32.9	60-80	-do-	1100.0 (1957)	211.0
	Khanki	1100	48.6	40.4	No Sig.change	-do-	1086.5 (1959)	211.5
	Qadirabad	807	39.9	29.9	-do-	-do-	948.5 (1992)	203.7
	Trimmu	645	66.9	56.3	-do-	-do-	944.0 (1928)	125.2
	Punjnad	700	70.9	54.7	-do-	-do-	802.5 (1973)	159.5
RAVI	Jassar	275	19.5	19.5	-do-	-do-	680.0 (1955)	71.0
	Shahdara	250	29.3	29.3	-do-	-do-	576.0 (1988)	39.8
	Balloki	225	36.9	29.1	-do-	-do-	389.8 (1988)	74.2
	Sidhnai	150	38.9	21.0	35-40	Low	330.2 (1988)	58.3
SUTLEJ	G.S. Wala	--	174.1	174.1	150 F 120	High	**	**
	Sulemanki	325	146.3	146.3	170 R 224	V. High	598.9 (1955)	146.3
	Islam	300	31.7	30.1	35-60	Low	492.6 (1955)	66.6

Isolated= 20 to 30% of area Scattered= 30 to 50% of area | Widespread= 90 to 100% of area R= Rising, F= Falling

Note: Concerned Departments may contact FFD, Lahore for rectification up-dation (if any)

(Ch Muhammad Aslam)
 Chief Meteorologist
 FFD Lahore

www.ffd.pmd.gov.pk | Email: ffdlhr@yahoo.com

Chief Meteorologist: 04299200208 & Duty Officer 24/7 hrs: 04299200139, 04299205367-70 and Fax:04299200209 & 5367



**GOVERNMENT OF PAKISTAN
PAKISTAN METEOROLOGICAL DEPARTMENT
FLOOD FORECASTING DIVISION
46-JAIL ROAD LAHORE-54000**



BULLETIN No. A-068/23

Dated: - 21st August, 2023
Time: - 11:50 hours (PST)

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. President Secretariat, Islamabad. 2. PM House, Islamabad. 3. Federal Minister for Water Resources, Islamabad. 4. Governor (All Provinces). 5. Chairman NDMA, Islamabad. 6. Chief Minister (All Provinces). 7. PM Secretariat, Islamabad. 8. Secretary, Aviation Division, Islamabad. 9. Secretary, Ministry for Water Resources, Islamabad. 10. Secretary, Ministry of Information, Islamabad. 11. Chairman MHA, Islamabad. 12. Chief Secretary (All Provinces). 13. PDMA'S (D.G'S, All Provinces & AJK). | <ol style="list-style-type: none"> 14. Chairman, Federal Flood Commission, Islamabad. 15. Chairman, Indus River System Authority, Islamabad. 16. Chairman, PCRWR, Islamabad. 17. The Secretary General, Red Crescent, Islamabad. 18. Secretary, Irrigation Department, (All Provinces). 19. D.G. Engineers, Eng. Directorate GHQ, Rawalpindi. 20. Pakistan Commissioner for Indus Waters (PCIW), Islamabad. 21. Chief Engineer, Mangla/Tarbela/Chashma. 22. Chief Engineer, Irrigation (All Provinces). 23. Chief Engineer, (All Barrages). 24. Chief Engineer, C.D.O. (Muzaffarabad). 25. Commissioner for Indus Waters, Lahore. 26. All other concerned. |
|--|---|

SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:**I: HYDROLOGICAL SITUATION at 0600 PST:**

River Sutlej at Ganda Singh Wala is in High flood level and Falling, while at Sulemanki is also in High flood level and Rising. River Indus at Guddu is in low flood level. Sharp peaks of Medium to High level floods may occur during 23rd to 25th August 2023, in River Jhelum at Mangla(upstream).

WARNING: According to latest Hydro-meteorological conditions, River Sutlej at Sulemanki is likely to attain Very High flood Level during next 24-hours and at Islam, Medium to High flood level after 22nd August 2023.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's trough of westerly wave over Northeast Iran continues to persist.
- b. Yesterday's low-pressure area over central Madhya Pradesh (India) remained stationary.
- c. Light to moderate moist currents from Bay of Bengal are penetrating to upper parts of the country up to 5000 feet, while from Arabian Sea up to 3000 feet.
- d. Seasonal low lies over Northeast Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered wind thunderstorm/rain of light to moderate intensity with isolated heavy falls is expected over the upper catchments of all the Major Rivers, Islamabad along with Rawalpindi, Sargodha, Gujranwala & Lahore Divisions.

IV: WEATHER OUTLOOK FOR NEXT 72-HOURS:

From evening of 22nd August 2023, scattered to widespread wind thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of Rivers Jhelum, Chenab, Ravi, & Sutlej along with Islamabad and Rawalpindi, Gujranwala, Sargodha & Lahore Divisions. Scattered wind thunderstorm/rain of moderate intensity with isolated heavy falls is also expected over the upper catchments of Rivers Indus and Kabul along with Peshawar, Kohat, Bannu, & D.I. Khan Divisions.

V: RIVERS CATCHMENTS RAINFALL RECORDED (MM) DURING LAST 24 HRS (UPTO 0800 PST):

Indus:	Khanpur=03, Rohri, Sukkur, Rahim Yar Khan, Tando Jam & Badin=Trace(each).
Jhelum:	Kotli=12, Dhulli=Trace.
Chenab:	Sialkot (Cantt) & Gujranwala= Trace(each).
Ravi:	Lahore (City)=Trace).
Sutlej:	-Nil-
Others:	-do-

(Chaudhary Muhammad Aslam)
Chief Meteorologist
FFD Lahore

Government of Pakistan
Ministry of Water Resources
Office of Pakistan Commissioner for Indus Waters
Suharwardy Road, (WAPDA Building), G-7/1, Islamabad.

FLOOD ALERT
FLOOD SEASON 2023
ADVANCE FLOOD FLOWS INFORMATION FROM INDIA

Office of Indian Commissioner for Indus Waters has intimated information about following sites:

Date	Time of Observation (IST)	Time of information from India to Pakistan (PST)	Site	Reported Flow (Cusecs)	Flood Regime	Information conveyed by Telephone to FFD Lahore shift incharge PCIW flood cell
21.08.2023	0900 hrs	0919 hrs	Sutlej River Below Harike Headworks	160,000	Medium Flood	0921 hrs
21.08.2023	0900 hrs	0919 hrs	Below Ferozepur Headworks	160,000	Medium Flood	0921 hrs

Dated: 21st August 2023



(ADNAN MUHAMMAD)

Deputy Commissioner for Indus Waters
Tele: 051-9244674

Copy forwarded by Fax to:

1. Secretary, Ministry of Water Resources, Islamabad.
2. Chief Secretary, Gilgit-Baltistan, Gilgit.
3. Chief Secretary, Government of Azad Jammu and Kashmir, Muzaffarabad.
4. Chief Secretary, Government of Punjab, Lahore.
5. Chief Secretary, Government of Sindh, Karachi.
6. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
7. Chief Secretary, Government of Balochistan, Quetta.
8. Secretary, Irrigation Department, Punjab, Lahore.
9. Secretary, Irrigation Department, Sindh, Karachi.
10. Secretary, Irrigation Department, Khyber Pakhtunkhwa, Peshawar.
11. Secretary, Irrigation Department, Balochistan, Quetta.
12. Joint Secretary (Water), Ministry of Water Resources, Islamabad.
13. Chairman, National Disaster Management Authority (NDMA), Islamabad.
14. CEA/CFFC, Islamabad.
15. Chairman, Indus River System Authority (IRSA), Islamabad.
16. M.O. Directorate, G.H.Q, Rawalpindi.
17. D.G. (Engrs), G.H.Q, Rawalpindi.
18. Engineers, 4-Corps, Lahore
19. Engineers, 30-Corps, Gujranwala.
20. Relief Commissioner/Senior Member, Board of Revenue, Punjab, Lahore.
21. D.G. (PDMA) Punjab, 40/A- Lawrence Road, Lahore.
22. Chief Engineer (H&WM), WAPDA House, Lahore.
23. XEN Irrigation, Marala Headwork.
24. XEN Irrigation, Kasur.
25. Mr. Shakeel, Director, Irrigation Department, Government of the Punjab, Lahore.
26. Mr. Aslam, Chief Meteorologist, FFD. 46-Jail Road, Lahore.
27. Office In charge, FFD. 46-Jail Road, Lahore.



National Weather Forecasting Centre
Pakistan Meteorological Department



Total Rainfall (mm) last 24 hours on Monday 21-08-2023 at 0800 PST				
Stations		Rainfall (mm)		
Kashmir				
Kotli		12		
Punjab				
Khanpur		03		
Gujranwala, Lahore (City), Rahimyar Khan, Sialkot (City)		Trace		
Sindh				
Badin, Rohri, Sukkur, Tando Jam		Trace		
Khyber Pakhtunkhwa				
NIL				
Gilgit-Baltistan				
NIL				
Balochistan				
NIL				
Maximum Wind Reported				
Station	Wind (kt)	Km/hr	Direction	Time (PST)
NIL				
Maximum Water Level at Nullah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
Nil				