



F.2 (E)/2023-NDMA (MW/SITREP-36)
**Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD**



Dated: **31 July 2023**

Subject: **NDMA Monsoon 2023 - Daily Situation Report No. 36**

NDMA Monsoon 2023 Daily Situation Report No **36**, covering period from **1300 hours 30th July 2023 to 1300 hours 31st July 2023** is enclosed for information/necessary action, please.

(Muhammad Ali Khan)

Director (Response)

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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 - 36
(PERIOD COVERED: 1300 HRS - 30 JUL 2023 TO 1300 HRS - 31 JUL 2023)

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

a. **Deaths**

Province/ Region	District	Deaths				Remarks
		M	F	C	T	
Balochistan	Loralai	0	0	1	1	Roof collapse
KP	-	0	0	0	0	
Punjab	-	0	0	0	0	
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
State of AJ&K	Neelum	1	0	0	1	Vehicle washed away in flash flood
Islamabad Capital Territory		0	0	0	0	
TOTAL		1	0	1	2	

b. **Injuries**

Province/ Region	District	Injures				Remarks
		M	F	C	T	
Balochistan	Loralai	0	0	1	1	Roof collapse
KP	-	0	0	0	0	
Punjab	-	0	0	0	0	
Sindh	-	0	0	0	0	
Gilgit Baltistan	-	0	0	0	0	
State of AJ&K	Neelum	1	0	0	1	Vehicle washed away in flash flood
Islamabad Capital Territory		0	0	0	0	
TOTAL		1	0	1	2	

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	Killa Saifullah	29	1	30	0
KP	Mardan	0	1	6	0
	Abbottabad	5	0		0
Punjab	-	0	0	0	0
Sindh	-	0	0	0	0
Gilgit Baltistan	-	0	0	0	0
State of AJ&K	-	0	0	0	0
Islamabad Capital Territory		0	0	0	0
TOTAL		34	2	36	0

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

Province/ Region	District	Roads/ Tracks			Bridge			
		Length of road damage	Nature/ extent of damage (fully/ partially washed away/ water over flow)	Traffic situation (Alternate route/ diversion available)	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	-	-	-	-	-	-	-	-
State of AJ&K	-	-	-	-	-	-	-	-
ICT	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

3. **Roads Situation:**

a. **KP**. Following roads have been reported blocked by PDMA KP due to heavy rain / flash flood. DDMA has mobilized machinery for early restoration of roads.

(1) **Upper Chitral**:-

(a) Miragram-II at Miragram Nullah.

(b) Mastuj-Yarkhun Road at Zhupu Bridge.

(2) **Abbottabad**. Qalandarabad Tarnawai Road is closed due to landsliding.

b. **GB**. Following roads have been reported blocked by GBDMA due to heavy rain/ flash flood. DDMA has mobilized machinery for early restoration of roads.

(1) JSR is 2 way blocked at RD 85 near Tallu due to rockslide.

(2) Nagar Hisper Road is blocked.

4. **Cumulative Casualties - Deaths / Injuries (Started from 25 Jun 2023 up to 1300 Hours 31 July 2023):-**

Province/ Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
Balochistan	6	2	4	12	5	2	7	14
Khyber Pakhtunkhwa	11	9	31	51	22	16	29	67
Punjab	30	11	26	67	70	49	40	159
Sindh	8	3	10	21	5	4	1	10
Gilgit Baltistan	1	3	1	5	2	0	0	2
State of AJ&K	4	6	4	14	4	5	0	9
Islamabad Capital Territory	11	0	0	11	5	0	0	5
TOTAL	71	34	76	181	113	76	77	266

5. **Cumulative Damages of Infrastructure & Private Properties (Started from 25 Jun 2023 up to 1300 Hours 31 July 2023): -**

Province/ Region	Roads (km)	Bridges	Houses			Livestock
			Partial	Full	Total	
Balochistan	0	0	334	132	466	2
Khyber Pakhtunkhwa	0	0	286	55	341	219
Punjab	0	0	77	3	80	3
Sindh	0	0	324	18	342	213
Gilgit Baltistan	0	0	28	15	43	27
State of AJ&K	0	0	304	55	359	16
ICT	0	0	0	0	0	0
TOTAL	0	0	1353	278	1631	480

6. **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			
State of AJ&K			
Islamabad Capital Territory			
TOTAL			

NTR

b. **Rescue Operations**

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

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

NTR

7. **Cumulative Flood Relief Activities (Started from 25 Jun 2023 up to 1300 Hours 31 July 2023):-**

a. **Cumulative State of Relief Camps Established**

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

b. **Cumulative State of Rescue Operations (Started from 25 Jun 2023 up to 1300 Hours 31 July 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							
Khyber Pakhtunkhwa							
Punjab							
Sindh							
Gilgit Baltistan							
State of AJ&K							
Islamabad Capital Territory							
TOTAL							

8. **Dams and Reservoirs Level** - Attached at **Annex A.**
 9. **Flood Alert / River Flows** - Attached at **Annex B.**
 10. **Flood / Base Flow Data Obtained from India.** - Attached at **Annex C.**
 11. **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-047/23

Dated: - 31st July, 2023
Time: - 12:10 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	Isolated wind thunderstorm/ rain	Isolated wind thunderstorm/ rain (Rawalpindi Division)	TARBELA	
JHELUM	-do-	-do- (Sargodha Division)	Current:	1536.15
CHENAB	-do-	-do- (Gujranwala Division)	Max. Conservation:	1550.00
RAVI	-do-	-do- (Lahore Division)	MANGLA	
SUTLEJ	-do-	Mainly dry weather (Bahawalpur Division)	Current:	1228.20
			Max Conservation:	1242.00

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

RIVERS	Stations	Actual Observations at 0600 PST		Quantitative Forecast for Next 24-hrs. (Inflow)	Qualitative Forecasted Flood Level (Inflow)
		Inflow	Outflow		
INDUS	Tarbela	248.0	159.3	220-245	Below Low
	Kalabagh	296.3	288.3	290 F 200	Low to Below Low
	Chashma	344.6	339.2	280-330	Low
	Taunsa	363.4	363.4	360-390	Low to Medium
	Guddu	481.9	461.4	480-510	Medium to High
	Sukkur	434.9	400.5	435-460	Medium
	Kotri	168.9	132.6	170-190	Below Low
KABUL	Nowshera	57.0	57.0	No significant change	-do-
JHELUM	Mangla	54.0	10.0	40-60	-do-
	Rasul	2.6	0.0	No significant change	-do-
CHENAB	Marala	69.5	54.3	60-70	-do-
	Khanki	73.3	66.3	No significant change	-do-
	Qadirabad	69.7	59.7	-do-	-do-
	Trimmu	90.8	84.8	-do-	-do-
RAVI	Punjnad	105.1	93.6	100-110	-do-
	Jassar	36.2	36.2	No significant change	-do-
	Shahdara	32.1	32.1	-do-	-do-
	Balloki	71.1	50.1	70-60	Medium to Low
SUTLEJ	Sidhnai	48.3	37.0	45-50	Medium
	G.S.Wala	55.9	55.9	50-55	Below Low
	Sulemanki	71.4	66.0	55-70	Low
	Islam	49.6	49.6	50-55	-do-

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

(Chaudhary Muhammad Aslam)
Chief Meteorologist
FFD Lahore

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

BULLETIN No. A-047/23

Dated: - 31st July, 2023
Time: - 12:10 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 NHA, 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, P CRWR, 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 Indus at Guddu & Sukkur is in Medium flood level. River Indus at Kalabagh, Chashma, Taunsa, River Ravi at Balloki & Sidhnai and River Sutlej at Sulemanki are in Low flood level.

II: METEOROLOGICAL FEATURES:

- a. Mild moist currents from Arabian Sea are penetrating to upper parts of the country up to 3000 feet.
- b. Seasonal low lies over Northwest Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Mainly dry weather is expected over most parts of country however isolated wind thunderstorm/rain of light to moderate intensity is expected over the upper catchments of all the Major Rivers, Northeast Balochistan, Islamabad along with DIKhan ,Rawalpindi, Gujranwala, Sargodha, Lahore, & DGKhan Divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

No significant change is expected.

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

Indus: Tirah-Khyber=03, Mirkhani=02, Oghi & Drosh=01(each), Kabul=Trace.
 Jhelum: Kotli=05, Rohtas=03, Chakwal=02, Bandi Abbaspur & Balakot=01, Mangla=Trace.
 Chenab: -Nil-
 Ravi: -do-
 Sutlej: -do-
 Others: Ziarat & Zhob=04(each), Loralai=03, Lasbela=Trace.

(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.

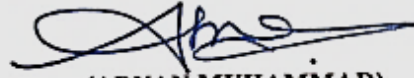
FLOOD SEASON 2023
FLOOD/BASE FLOW DATA
DATA AT(0600 HRS IST) REGARDING EASTERN RIVERS OBTAINED FROM INTERNET

Name of Dam	Full Reservoir Level (ft)	Live Storage Capacity at FRL (MAF)	Live Storage (MAF)	Reservoir Level (ft)	Storage (%)	Storage last year (%)
i. Bhakra Dam on River Sutlej	1680	5.050	<u>3.724</u> 27.07.2023	1657.56	74	39
ii. Pong Dam on River Beas	1390	4.991	<u>3.901</u> 27.07.2023	1376.54	78	30
iii. Thein Dam on River Ravi	1732	1.900	<u>1.653</u> 27.07.2023	1718.68	87	47

The data is being shared for flows information

This issues with the approval of PCIW

Dated: 27th July 2023



(ADNAN MUHAMMAD)

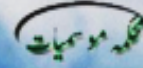
Deputy Commissioner for Indus Waters

Tele: 051-9244674

Data source: www.bhmb.gov.in
www.cwc.gov.in

Copy forwarded by Fax to:

1. Secretary, Ministry of Water Resources, Islamabad.
2. Chief Secretary, GilgitBaltistan, Gilgit.
3. Chief Secretary, Government of Azad Jammu and Kashmir, Muaffarabad.
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, F.F.D. 46-Jail Road, Lahore.
27. Office Incharge, F.W.C. 46-Jail Road, Lahore.


National Weather Forecasting Centre
 Pakistan Meteorological Department

Total Rainfall (mm) last 24 hours on Monday 31-07-2023 at 0800 PST

Stations		Rainfall (mm)		
Balochistan				
Zhob		04		
Loralai		03		
Lasbella		Trace		
Khyber Pakhtunkhwa				
Tirah Khyber		03		
Mirkhani		02		
Drosh & Balakot		01		
Kashmir				
Kotli		03		
Dhulli & Bandi Abbaspur		01		
Punjab				
Chakwal		02		
Dera Ghazi Khan		(Forte Munro & Zain Sanghar Nullah 02)		
Mangla		Trace		
Sindh				
NIL				
Gilgit-Baltistan				
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				