



F.2 (E)/2023-NDMA (MW/SITREP-52)
**Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD**



Dated: **16 August 2023**

Subject: **NDMA Monsoon 2023 - Daily Situation Report No. 52**

NDMA Monsoon 2023 Daily Situation Report No **52**, covering period from **1300 hours 15th August 2023 to 1300 hours 16th August 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 -52
(PERIOD COVERED: 1300 HRS-15 AUGUST 2023 TO 1300 HRS-16 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	Shangla	0	0	0	9
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	9

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 16 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 16 August 2023):-

Province/ Region	Roads (km)	Bridges	Houses			Livestock
			Partial	Full	Total	
*Balochistan	22	4	910	1410	2320	628
Khyber Pakhtunkhwa	0	0	459	105	564	285
Punjab	0	0	77	4	81	3
Sindh	0	0	324	18	342	213
Gilgit Baltistan	1.76	1	82	19	101	37
AJ&K	0	0	356	99	455	21
ICT	0	0	0	0	0	0
TOTAL	23.76	5	2208	1655	3863	1187

* Data reconciled by PDMA Balochistan and 2x Kms length of road damage adjusted in cumulative figures.

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.**

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 16 August 2023): -**a. **Cumulative State of Relief Camps Established**

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

b. **Cumulative State of Rescue Operations (From 25 Jun 2023 up to 1300 Hours on 16 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. **Flood / Base Flow 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, GovtDepts and is subject to change.



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



BULLETIN No. B-063/23

Dated: - 16th August, 2023

Time: - 10:55 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 thunderstorm/rain	Isolated thunderstorm/rain (Rawalpindi Division)	TARBELA Current: 1549.28 Max. Conservation: 1550.00	
JHELUM	-do-	-do- (Sargodha Division)		
CHENAB	-do-	-do- (Gujranwala Division)	MANGLA Current: 1241.30 Max Conservation: 1242.00	
RAVI	-do-	-do- (Lahore Division)		
SUTLEJ	-do-	Mainly Dry Weather (Bahawalpur Division)		

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	233.0	251.9	220-235	Below Low
	Kalabagh	275.3	267.3	240-275	Low
	Chashma	282.1	260.9	240-280	-do-
	Taunsa	236.2	217.2	No significant change	Below Low
	Guddu	214.8	183.2	210-190	Low to Below Low
	Sukkur	186.6	131.4	No significant change	Below Low
	Kotri	173.4	132.9	-do-	-do-
KABUL	Nowshera	41.5	41.5	-do-	-do-
JHELUM	Mangla	36.0	10.0	30-35	-do-
	Rasul	3.0	0.0	No significant change	-do-
CHENAB	Marala	74.3	54.3	60-70	-do-
	Khanki	69.3	61.1	No significant change	-do-
	Qadirabad	64.1	54.1	-do-	-do-
	Trimmu	55.2	41.6	-do-	-do-
	Punjad	70.3	54.7	-do-	-do-
RAVI	Jassar	29.9	29.9	-do-	-do-
	Shahdara	36.5	36.5	-do-	-do-
	Balloki	44.2	23.8	40-45	Low
	Sidhnai	30.0	12.1	No significant change	Below Low
SUTLEJ	G.S. Wala	60.3	60.3	70-100	Medium
	Sulemanki	45.6	32.1	No significant change	Below Low
	Islam	33.6	31.5	-do-	-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

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



BULLETIN No. A-063/23

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



Dated: - 16th August, 2023
Time: - 10:55 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, 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 Indus at Tarbela, Kalabagh & Chashma is in Low flood level.

WARNING: According to available information and latest Hydro-meteorological conditions, River Sutlej at Ganda Singh Wala & downstream is likely to attain Medium to High Flood Level after 24-hours.

II: METEOROLOGICAL FEATURES:

- a. Yester day's trough of westerly wave over Kashmir and adjoining areas has moved away Eastwards.
- b. Mild moist currents from Arabian Sea are penetrating to upper parts of the country up to 3000 feet.
- c. Seasonal low lies over Northeast Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Isolated thunderstorm/rain of light to moderate intensity associated with gusty winds is expected over the upper catchments of all the Major Rivers, Islamabad along with Rawalpindi, Sargodha, Gujranwala & Lahore Divisions.

IV: WEATHER OUTLOOK FOR NEXT 48-HOURS:

No significant change.

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

- | | |
|---------|--|
| Indus: | Daggar=02, Pashat-Bajaur, Peshawar (Airport), Islamabad(Zero Point) & Malam Jabba=Trace(each). |
| Jhelum: | Bandi Abbaspur=07, Dhulli=01, Garhi Dopatta & Mangla=Trace(each). |
| Chenab: | Sialkot (Cantt) & Jhang= Trace(each). |
| Ravi: | Lahore [Johar Town=05, Gulburg, City & Township= Trace(each)], Kotnaina=02, Shakar Garh=01. |
| Sutlej: | Kasur=06. |
| Others: | Karachi (Airport)=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

Level in Feet & Discharge in Cusecs

Date	Bhakra Dam (F.R.L)	Level	Inflow	Outflow	Pong Dam (Maximum Reservoir Level)	Level	Inflow	Outflow
15.08.2023	1680	1678.05	124,005	55,167	1421	1399.42	440,616	87,371
16.08.2023	1680	1677.70	76,898	83,703	1421	1398.68	118,736	141,960

The data is being shared for flows information
This issues with the approval of PCIW
Dated: 16th August 2023



(ADNAN MUHAMMAD)
Deputy Commissioner for Indus Waters
Tele: 051-9244674

Data source:-www.bbmb.gov.in , www.cwc.gov.in

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 Wednesday 16-08-2023 at 0800 PST

Stations		Rainfall (mm)		
Kashmir				
Bandi Abbaspur		07		
Punjab				
Kasur		06		
Islamabad (Z/P), Sialkot (City), Jhang, Lahore (City)		Trace		
Sindh				
Karachi		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				