



F.2 (E)/2023-NDMA (MW/SITREP-90)
Government of Pakistan
Prime Minister's Office
National Disaster Management Authority
ISLAMABAD



Dated: **23 September 2023**

Subject: **NDMA Monsoon 2023 - Daily Situation Report No. 90**

NDMA Monsoon 2023 Daily Situation Report No **90**, covering period from **1300 hours 22nd September 2023 to 1300 hours 23rd September 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-90

(PERIOD COVERED: 1300 HRS-22 SEPTEMBER 2023 TO 1300 HRS-23 SEPTEMBER 2023)

1. Casualties and Injuries (Last 24 hours)

- a. **Deaths.** NTR.
 b. **Injuries.** NTR.

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

- a. **Houses Damaged and Livestock Perished.** NTR.
 b. **Roads, Bridges and Other Infrastructure Damaged in Last 24 hours.** NTR.

3. Cumulative Casualties-Deaths / Injuries (From 25 Jun 2023 upto 1300 Hours on 23 September 2023):-

Province/ Region	Deaths				Injured			
	M	F	C	T	M	F	C	T
Balochistan	8	5	8	21	17	3	7	27
Khyber Pakhtunkhwa	19	11	36	66	41	19	32	92
Punjab	33	12	28	73	75	55	43	173
Sindh	11	5	11	27	5	4	1	10
Gilgit Baltistan	3	3	1	7	2	0	0	2
AJ&K	4	7	7	18	10	10	0	20
Islamabad Capital Territory	11	0	0	11	5	0	0	5
TOTAL	89	43	91	223	155	91	83	329

4. Cumulative Damages of Infrastructure & Private Properties (From 25 Jun 2023 upto 1300 Hours on 23 September 2023):-

Province/ Region	Roads (km)	Bridges	Houses			Livestock
			Partial	Full	Total	
Balochistan	22	4	2431	1762	4193	697
Khyber Pakhtunkhwa	0	0	465	110	575	285
Punjab	0	0	80	5	85	3
Sindh	0	0	324	18	342	213
Gilgit Baltistan	1.92	1	85	22	107	37
AJ&K*	0	0	373	109	482	25
ICT	0	0	0	0	0	0
TOTAL	23.92	5	3758	2026	5784	1260

5. Flood Relief Activities (Last 24 hours). Data received from PDMA Punjab have been updated in cumulative summary.

- a. **Relief Camps Established**
 b. **Rescue Operations**

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

6. **Cumulative Flood Relief Activities (From 25 Jun 2023 upto 1300 Hours on 23 September 2023):-**

a. **Cumulative State of Relief Camps Established by PDMAs/SDMA/GBDMA.**

Description	Balochistan	KP	Punjab	Sindh	GB	AJ&K	ICT	Total
No of Medical Camp	0	0	249	0	0	0	0	249
No of Persons Treated	0	0	70426	0	0	0	0	70426
No of Relief Camps	0	0	329	0	0	0	0	329
Cooked Food	0	0	145157	0	0	0	0	145157

b. **Cumulative State of Rescue Operations (From 25 Jun 2023 up to 1300 Hours on 23 September 2023) by PDMAs/SDMA/GBDMA:-**

Description	Balochistan	KP	Punjab	Sindh	GB	AJ&K	ICT	Total
No of Persons Transported	0	0	314361	0	0	0	0	314361
No of Persons Evacuated/ Rescued	63	0	547379	0	0	0	0	547442
Animals Transported	0	0	310535	0	0	0	0	310535
Boats Deployed	0	0	400	0	0	0	0	400
Live Jackets	20	0	5479	0	0	0	0	5499
Rings	0	0	1045	0	0	0	0	1045
Ropes	0	0	628	0	0	0	0	628

- (1) **Employment of Boats.** NTR.
- (2) **Employment of Aviation Activates.** NTR.
- (3) **Cumulative Relief Activities by PDMAs/SDMA/GBDMA.**

Relief Items	Balochistan	KP	Punjab	Sindh	GB	AJ&K	ICT	Total
Tents	3800	280	0	0	196	42	0	4318
Ration Bags	5050	107	0	0	1168	1	0	6326
Blankets	2500	414	0	0	2053	22	0	4989
Quilts	700	0	0	0	300	39	0	1039
Net Mosquito	34550	108	0	0	0	0	0	34658
Plastic Mats	3300	151	0	0	135	56	0	3642
Mattress	0	83	0	0	160	30	0	273
Sleeping Bags	0	0	0	0	0	2	0	2
Kitchen Sets	2300	260	0	0	192	8	0	2760
Hygiene Kits	0	220	0	0	19	0	0	239
First Aid Kits	50	0	0	0	0	0	0	50
Jerry can	3300	331	0	0	33	0	0	3664
Tarpaulin	13800	201	0	0	532	0	0	14533
Gas Cylinder	2900	1	0	0	0	0	0	2901
Water Cooler	2350	14	0	0	49	0	0	2413

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 PDMAs / 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-10123

Dated: - 23rd September, 2023
Time: - 11:00 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 to widespread wind thunderstorm/rain	Scattered to widespread wind thunderstorm/rain (Rawalpindi Division)	TARBELA Current: 1547.82 Max. Conservation: 1550.00 MANGLA Current: 1231.55 Max Conservation: 1242.00
JHELUM	-do-	-do- (Sargodha Division)	
CHENAB	-do-	-do- (Gujranwala Division)	
RAVI	-do-	-do- (Lahore Division)	
SUTLEJ	-do-	-do- (Bahawalpur Division)	

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	105.0	117.9	100-110	Below Low	832.0 (2010)	398.0
	Kalabagh	950	140.5	132.5	No Sig. change	-do-	950.0 (1942)	373.4
	Chashma	950	149.6	144.9	-do-	-do-	1038.9 (2010)	419.7
	Taunsa	1100	137.9	116.9	-do-	-do-	960.0 (2010)	439.9
	Guddu	1200	126.2	97.2	-do-	-do-	1199.7 (1976)	482.9
	Sukkur	1500	88.1	38.3	-do-	-do-	1166.6 (1986)	448.1
	Kotri	875	36.0	7.4	-do-	-do-	980.3 (1956)	258.2
KABUL	Nowshera	-	21.2	21.2	-do-	-do-	391.3 (1990)	100.6
JHELUM	Mangla	1060	13.0	30.9	15-30	-do-	1090.0 (1992)	140.0
	Rasul	850	31.5	11.9	No Sig. change	-do-	952.2 (1992)	37.0
CHENAB	Marala	1100	33.8	4.0	30-35	-do-	1100.0 (1957)	211.0
	Khanki	1100	13.4	5.6	No Sig. change	-do-	1086.5 (1959)	211.5
	Qadirabad	807	23.5	1.5	-do-	-do-	948.5 (1992)	203.7
	Trimmu	645	30.6	18.0	-do-	-do-	944.0 (1928)	125.2
	Punjnad	700	38.7	21.4	-do-	-do-	802.5 (1973)	159.5
RAVI	Jassar	275	5.5	5.5	-do-	-do-	680.0 (1955)	71.0
	Shahdara	250	28.0	28.0	-do-	-do-	576.0 (1988)	39.8
	Balloki	225	45.3	22.0	-do-	-do-	389.8 (1988)	74.2
	Sidhnai	150	29.2	11.1	-do-	-do-	330.2 (1988)	58.3
SUTLEJ	G.S. Wala	--	15.7	15.7	15-30	-do-	** **	278.3
	Sulemanki	325	33.9	19.9	No Sig. change	-do-	598.9 (1955)	191.1
	Islam	300	8.0	6.2	-do-	-do-	492.6 (1955)	151.9

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

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

BULLETIN No. A-101/23

Dated: - 23rd September, 2023
Time: - 11:00 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. |
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SUBJECT: -RIVERS SITUATION AND QUALITATIVE FLOOD FORECAST:**I: HYDROLOGICAL SITUATION at 0600 PST:**

All the Major Rivers are flowing Below Low Flood level.

II: METEOROLOGICAL FEATURES:

- a. Yesterday's trough of westerly wave over Northeastern parts of Afghanistan today lies over Northern parts of the country.
- b. Moderate moist currents from Arabian Sea are penetrating to upper parts of the country up to 7000 feet.
- c. Seasonal low lies over Eastern Balochistan.

III: WEATHER FORECAST FOR NEXT 24-HOURS:

Scattered to widespread wind thunderstorm/rain of moderate intensity with isolated heavy falls is expected over the upper catchments of all the Major Rivers along with Islamabad, Punjab & Khyber Pakhtunkhwa. Isolated wind thunderstorm/rain is expected over Northeastern Balochistan.

IV: WEATHER OUTLOOK FOR FURTHER 48-HOURS:

Wet spell is likely to continue.

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

Indus:	Islamabad [Zeropoint=26, Saidpur=24, Shamsabad=19, Bokra=16, Chaklala Airbase & Golra=15(each), New Airport=01], Mamad Gut=21, Besham=19, Tarbela=18, Mianwali (Airbase)=16, D.I.Khan Airport=06, Bosak Bidge, Kalam & Bhakkar=03(each), Bagrote & Lower Dir=02(each), Pashat-Bajaur, Astore, Kamra (Airbase), Kohat (Airbase), Kakul, Gilgit, Bunji, Badin, Murree & Skardu=Trace(each)
Jhelum:	Jhelum=74, Mangla=72, Joharabad=38, Mandibahauddin=32, chakwal=23, Kotli=20, Sargodha (Airbase=20, City=16), Rohtas=19, Nauseri=13, Sharda=11, Palandri=09, Kallar=03, Palote=02, Chakri=01, Deolian, Arandu Nullah & Khawagoobo Brige, Dhulli=Trace(each)
Chenab:	Gujranwala=38, Hafizabad=27, Sialkot (Airport=24, Cantt=11), Gujrat=10, Noorpur Thal & Marala=01(each)
Ravi:	Lahore (Gulshan e Ravi=142, Luckshami=138, Qurtba chock=125, Gulburg=120, Township=107, Shahi Qilla=105, Taj Pura=101, Iqbal Town=92, Johar Town=88, Airport=81, Shahdara=80, Mughal Pura=71, Upper Mall=67, Jail Road=66, Misri Shah=64, Samanabad=56), Narowal=46, Ravi Syphon=38, Faisalabad (Gulam Muhammad Abad=26, Madina Town=17, Airport=14, Gulistan Colony=13, Dogar Basti=10, Allama Iqbal Colony=04), Shakar Garh=01, Okara, Zafarwal=Trace(each)
Sutlej:	Kasur=28, Chunian=01
Others:	-Nil-

(Chaudhary Muhammad Aslam)
Chief Meteorologist
FFD Lahore

Government of Pakistan
Ministry of Water Resources
Office of Pakistan Commissioner for Indus Waters
Khayaban-e- Suhrwardy 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)	Current Live Storage (MAF)	Reservoir Level (ft)	Storage (%)	Storage last year (%)
i. Bhakra Dam on River Sutlej	1680	5.050	<u>4,375</u> 21-09.2023	1673.41	87	82
ii. Pong Dam on River Beas	1390	4.991	<u>4,629</u> 21.09.2023	1388.35	93	82
iii. Thein Dam on River Ravi	1732	1.900	<u>1,222</u> 21.09.2023	1693.85	64	79

The data is being shared for flows information

This issues with the approval of PC1W

Dated: 22nd September 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, 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 (II&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.



Total Rainfall (mm) last 24 hours on Saturday 23-09-2023 at 0800 PST				
Stations		Rainfall (mm)		
Punjab				
Lahore	(Gulshan e Ravi 142, Lakshmi Chowk 138, Qurtaba Chowk 125, Gulberg 122, Tajpura 108, Nishtar Town 107, Pani wala Talab 105, Iqbal Town 92, Johar Town 88, AP 81, Farrukhabad 80, Mughalpura 76, Upper Mall 73, City 66, Chowk Nakhuda 64, Samanabad 56)			
Jhelum				74
Mungla				72
Narowal				46
Joharabad				38
Mandi Bahauddin				32
Kasur				28
Faisalabad	(GMA 28, Dogar Basti 22, City14, Gulistan Colony 13, Madina Town 10, Allama Iqbal Colony 04)			
Hafizabad				27
Gujranwala				26
Islamabad	(Z/P 25, Saidpur 24, Bokra 16, Golra 15, A/P 01)			
Stalkot				(AP 24, City 11)
Chakwal				23
Gujrat				10
Noorpurthal				01
Murree, Okara				Trace
Khyber Pakhtunkhwa				
D.I. Khan				(AP 23, City 06)
Kalam				03
Dir				(Lower 02)
Kakul				Trace
Gilgit-Baltistan				
Bagrote				02
Astore				01
Bunji, Gilgit, Skardu				Trace
Sindh				
Badin				Trace
Kashmir				
NIL				
Balochistan				
NIL				
Maximum Wind Reported				
Station	Wind (kt)	Km/hr	Direction	Time (PST)
Lahore (AP)	50	93	NE	0415
Islamabad (AP)	42	78	NE	2310
D.I Khan (AP)	40	74	NE	0215
Joharabad	35	65	NW	0045
Maximum Water Level at Nullah Lai (Last 24 Hours)				
Station	Level (Feet)	Time (PST)	Flood Situation	
Kattarian	05	0430	Normal	
Gawalmandi	04	0430	Normal	