



F.1 (E)/2020-NDMA (MW/SITREP)  
Government of Pakistan  
Prime Minister's Office  
National Disaster Management Authority  
ISLAMABAD

**MOST IMMEDIATE / BY FAX**



Dated: 21 August 2020

Subject: **NDMA Monsoon 2020 Daily Situation Report No 057**

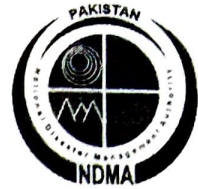
NDMA Monsoon 2020 Daily Situation Report No 057 covering period from 20 August 2020 1300 hours to 21 August 2020 1300 hours is enclosed for information / necessary action, please.

  
Lieutenant Colonel  
For Chairman NDMA  
(Muhammad Ala Ud Din)  
Tel. 051-9087874  
Fax No: 9205086

- To: Secretary to Prime Minister, Prime Minister's Office, Islamabad  
Military Secretary to Prime Minister, Prime Minister's House, Islamabad
- Cc: Director General, Pakistan Meteorological Department, Islamabad  
Director General, Frontier Works Organization, Rawalpindi  
Chairman, Federal Flood Commission, Islamabad  
Chairman, National Highway Authority, Islamabad  
Joint Commissioner, Pakistan Commission for Indus Water, Islamabad  
Chief Meteorologist, Flood Forecasting Division, Lahore  
Director General, NHEPRN, Islamabad  
Director General, PDMA Balochistan, Quetta  
Director General, PDMA Khyber Pakhtunkhwa, Peshawar  
Director General, PDMA Punjab, Lahore  
Director General, PDMA Sindh, Karachi  
Director General, SDMA AJ&K, Muzaffarabad  
Director General, GBDMA, Gilgit  
Joint Crisis Management Cell, Joint Staff Headquarters, Rawalpindi  
Military Operation Directorate (MO-4), GHQ, Rawalpindi  
Arms Branch, Engineers Directorate, GHQ, Rawalpindi  
Director (SOF & Marines), Naval Headquarters, Islamabad  
Director (Ops), Air Headquarters, Islamabad  
Deputy Commissioner, Islamabad
- ID: APS to Member (Ops), NDMA  
APS to Member (A&F), NDMA  
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Director (Logistics), NDMA  
Director (R&R), NDMA  
Director (Implementation), NDMA  
Director (P&IC), NDMA  
Director (Admin), NDMA  
Director (Finance), NDMA  
Director (Media & IT), NDMA  
PS to Chairman, NDMA



**Government of Pakistan  
Prime Minister's Office  
National Disaster Management Authority  
Islamabad**



**MONSOON 2020 DAILY SITUATION REPORT NO – 057**

**(PERIOD COVERED: 20 August 2020 1300 HRS – 21 August 2020 1300 HRS)**

**1. Area Affected (Last 24 Hours)**

Ser	Province / Region	Area Affected
a.	Federal	NTR
b.	Balochistan	NTR
c.	Khyber Pakhtunkhwa	NTR
d.	Punjab	NTR
e.	Sindh	NTR
f.	AJ&K	NTR
g.	Gilgit Baltistan	NTR

**2. Extent of Damages**

a. **Damages (During Significant Events – Monsoon 2020).** NTR.

b. **Summary of Overall Preliminary Damages of Infrastructure & Private Properties**

Provinces / Regions	Roads	Bridges	Shops	Hotels	Masjid	Houses		Power Houses
						PD	FD	
ICT	-	-	-	-	-	-	-	-
Balochistan	10	3	-	1	-	46	861	-
KP	-	1	-	-	2	108	20	-
Punjab	-	-	-	-	-	2	1	-
Sindh	-	-	-	-	-	23	1	-
AJ&K	-	-	-	-	-	-	-	-
GB	-	1	-	-	1	15	8	-
<b>TOTAL</b>	<b>10</b>	<b>5</b>	<b>-</b>	<b>1</b>	<b>3</b>	<b>194</b>	<b>891</b>	<b>-</b>

c. **Summary of Preliminary Casualty – Death / Injured**

Provinces / Regions	Deaths				Injured			
	M	F	C	T	M	F	C	T
ICT	-	-	-	-	-	-	-	-
Balochistan	7	2	6	15	7	-	-	7
Khyber Pakhtunkhwa	7	2	11	20	4	-	6	10
Punjab	4	4	-	8	3	2	-	5
Sindh	23	3	5	31	6	1	-	7
AJ&K	-	2	1	3	-	-	-	-
Gilgit Baltistan	4	-	6	10	1	-	-	1
<b>TOTAL</b>	<b>45</b>	<b>13</b>	<b>29</b>	<b>87</b>	<b>21</b>	<b>3</b>	<b>6</b>	<b>30</b>



3. **Flood Relief Activities**

- a. **Relief Camps Established**. Relief and Medical camps have been established at Yarkhoon Lasht, District Upper Chitral.
- b. **Rescue Activities**. 299x persons evacuated using 10x boats in District Dadu by Armed Forces and District Administration.
- c. **Aviation Activities**. NTR.
- d. **Relief Activities**

Province	Tents	Food Items (Tons)	Blankets	Mosquito Nets	Plastic Mats	De-watering Pumps
Balochistan	2,100	-	2,150	450	2,350	11
Sindh	1,000	-	-	1,000	-	163
Khyber Pakhtunkhwa	72	23	-	-	-	-
Gilgit Baltistan	13	1.6	6	-	-	-
<b>Total</b>	<b>3,185</b>	<b>24.6 Tons</b>	<b>2,156</b>	<b>1,450</b>	<b>2,350</b>	<b>174</b>

4. **Threat to Next Likely Areas**. NTR.

5. **River Discharges**. All Major Rivers are flowing at normal level. Details of river discharges is attached as **Annex A**.

6. **Dams Levels**

Ser	Reservoirs	Max Conservation Level & Live Storage		Current Level & Live Storage		Remaining Level & Live Storage	
		(Feet)	(MAF*)	(Feet)	(MAF*)	(Feet)	(MAF*)
a.	Tarbela	1,550.00	5.980	1,538.93	5.350	11.1	0.63
b.	Mangla	1,242.00	7.356	1,237.75	7.019	4.25	0.337
c.	Chashma	649.00	0.278	646.60	0.173	2.4	0.105
<b>Total Storage till 21 August 2020 –</b>		<b>12.542 (MAF)</b>					
<b>Remaining Storage –</b>		<b>1.072 (MAF)</b>					

7. **Weather Forecast for Next 24 Hours**. Scattered thunderstorm / rain is expected over the upper catchments of all the Major Rivers along with Khyber Pakhtunkhwa, Punjab, Sindh & East Balochistan. ***Under the effect of Depression, Widespread wind-thundershower/rain with few moderate to Heavy falls and isolated Very Heavy falls are expected in Karachi, Hyderabad, Thatta, Badin, Shaheed Benazirabad, Dadu, Tharparker, Mirpurkhas, Umar Kot, Sanghar, Sukkur, Larkana, Lasbella, Khuzdar, Barkhan, Zhob, Musa Khel, Loralai, Kohlu and Sibbi Districts from 22nd to 25th August-2020. Thundershowers/rain are also expected in Bhakkar, Layyah, D. G Khan, Multan, Bahawalpur, Bahawalnagar and Rajanpur from 22nd to 25th August-2020. No Significant change is expected over the upper half of the country.*** Last 24 hours significant rainfall recorded is attached as **Annex B**.

8. **Weather Advisory / Press Release**. Met office informed on 20 August 2020 that strong monsoon currents are likely to penetrate from Wednesday that will produce widespread rains in the country during next three to four days such as: -.

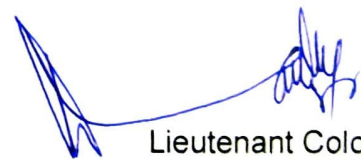
- a. Rain/wind-thundershower, with few moderate to isolated heavy falls, are expected in Karachi, Hyderabad, Thatta, Badin, Shaheed Benazirabad, Dadu, Tharparker, Mirpurkhas, Umar Kot, Sanghar, Sukkur, Larkana, Lasbella, Khuzdar, Barkhan, Zhob, Musa Khel, Loralai, Kohlu and Sibbi from Friday to Monday.
- b. Rain-thundershower are also expected in Bhakkar, Layyah, D. G Khan, Multan, Bahawalpur, Bahawalnagar and Rajanpur on Friday and Saturday.

9. **Flood Warning / Alert**

- a. Low to Medium Flood situation is expected in the Nullahs of Rivers Chenab & Ravi.
- b. Peaks of Low to Medium Flood Level are also expected in River Jhelum at Mangla (Upstream).
- c. Heavy rainfall may also generate Flash Flooding in the local Nullahs/Streams of Khyber Pakhtunkhwa, Kashmir & Hill torrents of D. G. Khan Division.
- d. Urban Flooding in Rawalpindi & Lahore Divisions from 20 to 21 August 2020.

10. **Daily Flood / Base Flow Data Obtained from India**. NTR.

11. **Warning / Alert**. Keeping in view the higher water level in Mangla Reservoir (1,237.75 feet) which may result in increasing discharge of surplus water from Mangla Dam. All relevant district administrations to sensitize the population residing near the river banks along River Jhelum and to take necessary precautionary measures.



Lieutenant Colonel  
For Chairman NDMA  
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**Annex A**  
To NDMA SITREP No-057  
dated 21 August 2020

**RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION**

Rivers	Station	Design Capacity	Actual Observed Flow		Forecast for Next 24 hrs (Inflow)	Forecasted Flood Level (Inflow)	Danger Level (V. High Flood)
			Inflow	Outflow			
River Indus	Tarbela	1,500	239.0	158.2	210 – 240	Below Low	650
	Kalabagh	950	229.7	222.2	210 – 240	-do-	650
	Chashma	950	275.7	269.4	220 – 230	Low	650
	Taunsa	1,100	174.6	149.2	190 – 230	Below Low	650
	Guddu	1,200	125.4	99.9	No significant change	-do-	700
	Sukkur	1,500	87.9	38.3	-do-	-do-	700
	Kotri	875	42.8	4.0	-do-	-do-	650
River Kabul	Nowshera	540	48.5	48.5	50 – 70	-do-	200
River Jhelum	Mangla	1,060	25.0	7.8	20 – 40	-do-	225
	Rasul	850	12.7	11.9	No Significant Change	-do-	225
River Chenab	Marala	1,100	81.6	56.4	70 – 100	Low	400
	Khanki	800	50.8	43.7	No Significant Change	Below Low	400
	Qadirabad	807	50.6	32.6	-do-	-do-	400
	Trimmu	645	50.1	35.9	-do-	-do-	450
	Panjnad	700	14.7	0.0	-do-	-do-	450
River Ravi	Jassar	275	18.1	18.1	10 – 15	-do-	150
	Shahdara	250	24.1	24.1	No Significant Change	-do-	135
	Balloki	225	53.7	25.5	45 – 55	Low	135
	Sidhnai	150	17.7	2.9	No Significant Change	Below Low	90
River Sutlej	G.S. Wala	-	1.0	1.0	-do-	-do-	50
	Sulemanki	325	18.6	5.9	-do-	-do-	175
	Islam	300	2.1	1.3	-do-	-do-	175

**Note.** All data in Thousands of Cusecs.

**Annex B**

To NDMA SITREP No-057  
dated 21 August 2020

**PAST METEOROLOGICAL SITUATION AND FUTURE FORECAST BY PMD**

1. **Significant Rainfall Reported Last 24 Hours**

- a. **Islamabad**. New Airport 1 mm and Zeropoint 1 mm.
- b. **Balochistan**. Nil.
- c. **Khyber Pakhtunkhwa**. Malam Jabba 82 mm, Buner 47 mm, Shinkari 32 mm, Kakul 30 mm, Balakot 23 mm, Mohammad Dam 20 mm, Dir 15 mm, Bannu 14 mm, Oghi 9 mm, Chakdara 7 mm, Cherat 7 mm, Besham 7 mm, Rashidabad 5 mm, Daggar 4 mm, Pattan 4 mm, Kalam 4 mm, Parachinar 4 mm, Phulra 3 mm, and Saidu Sharif 2 mm.
- d. **Punjab**. Faisalabad 64 mm, Jhang 44 mm, Okara 38 mm, Sialkot 34 mm, Multan 32 mm, Gujrat 31 mm, Rohtas 31 mm, Gujranwala 26 mm, Sahiwal 20 mm, TT Singh 17 mm, Kasue 14 mm, Kot Addu 12 mm, Sargodha 11 mm, Kallar 10 mm, Narowal 8 mm, Joharabad 7 mm, Hafizabad 7 mm, Bahawalpur 6 mm, Shorkot 6 mm, Mianwali 5 mm, Jhelum 4 mm, Mandi Bahauddin 3 mm, Attock 2 mm, Lahore 2 mm, Garhiala 2 mm, DG Khan 1mm, Layyah 1 mm, Kohat 1 mm and Ravi Syphon 1 mm.
- e. **Sindh**. Mithi 4 mm.
- f. **AJ&K**. Muzaffarabad 34 mm, Garhi Dupatta 27 mm, Chattas Kallas 17 mm, Brarkot 15 mm, Domel 12 mm, Tandali 12 mm, Haraman 11 mm, Bandi Abbaspur 8 mm, Chakothi 8 mm, Mangla 4 mm, Kotli 2 mm, Nauseri 2 mm, Panjera 2 mm and Sehrkakarta 1 mm.
- g. **Gilgit Baltistan**. Gupis 2 mm and Skardu 1 mm.