



Government of Pakistan
Ministry of Climate Change
National Disaster Management Authority
(Prime Minister's Office) Islamabad



MONSOON 2017 DAILY SITUATION REPORT NO – 021

(Period Covered: 1300 Hrs 21 July 2017 – 1300 Hrs 22 July 2017)

1. **Rivers Flow Situation Reported by Flood Forecasting Division.** All rivers are flowing at Normal levels except; River Indus at Kalabagh, Chashma & Taunsa, River Kabul at Nowshera, River Jhelum at Mangla and River Chenab at Marala, Khanki & Qadirabad which are at **Low Level**. Details at **Annex A**.
2. **Past Meteorological Situation and Future Forecast by PMD.** Significant rainfall reported in last 24 hours is; Sialkot 44 mm & Shinkhari 39 mm. PMD forecast for next 24 hours predicts scattered thunderstorm / rain with ***isolated heavy falls over Sindh and the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej*** alongwith Rawalpindi, Sargodha, Gujranwala, Lahore, Sahiwal & D.G.Khan Divisions. Isolated thunderstorm / rain over Khyber Pakhtunkhwa, Eastern Balochistan, Faisalabad & Bahawalpur Divisions alongwith ***upper catchment of River Indus***. Details at **Annex B**.
3. **Dam Levels**

Serial	Reservoirs	Max Conservation Level & Storage		Current Level & Storage		Remaining Level & Storage	
		(Feet)	(MAF*)	(Feet)	(MAF*)	(Feet)	(MAF*)
a.	Tarbela	1,550.00	6.174	1,522.00	4.634	28	1.54
b.	Mangla	1,242.00	7.406	1,219.00	5.661	23	1.745

(* MAF – Million Acre Feet)
4. **Significant Events Last 24 Hours.** No significant event reported in last 24 hours.
5. **Road Situation (NHA and Respective Provinces)**
 - a. Gilgit – Skardu Road (S-1) blocked at Chamachu was restored on 21 July 2017.
 - b. All roads across the Country are clear for all types of traffic.
6. **Railway Situation.** All railway routes are clear.
7. **Preliminary Losses / Damages Reported.** Overall details of losses / damages during Monsoon Season 2017 are at **Annex C**.
8. **Relief Provided.** Overall details of relief provided at **Annex D**.
9. **Any Critical Activity to Report.** Nothing to Report.

10. **NDMA Recommendations**. Considering ongoing Monsoon spell and weather forecast by PMD, relevant stakeholders are advised to remain on **Alert** and ensure following necessary actions:-

- a. Clearance of sewerage / drainage system in all major cities especially Karachi, Hyderabad, Islamabad, Rawalpindi, Lahore, Multan, Quetta & Peshawar by relevant stakeholders. Critical monitoring of main sewerage channels passing from all major cities by relevant stakeholders / City Governments.
- b. Issue timely alerts to people residing in / close to river plains / water courses.
- c. Public awareness to vacate dangerous buildings, remain away from electric wires / poles and avoid swimming during periods of intense rain.
- d. Sensitise vulnerable population not to venture into nullahs / flash flooding routes.
- e. NHA, FWO and C&W Departments of respective Provinces / Regions to remain vigilant in restoring road links.
- f. There is a possibility of landslides in Khyber Pakhtunkhwa, AJ&K, & Gilgit Baltistan areas, vulnerable population should remain alert and necessary preventive measures be taken.
- g. Tourists be cautioned to avoid travelling to areas vulnerable to landslides.
- h. NIH / NHEPRN to advise all provincial Health departments about pre-positioning of necessary staff and medicines, where required.
- i. Vulnerable communities along reaches of major rivers and their tributaries / Nullahs to be sensitized for requisite precautionary measures.
- j. ***Staff of emergency services be sensitized for availability on weekend.***
- k. ***Owing to possibility of rain in upper catchments of Rivers Jhelum, Chenab, Ravi, Sutlej & Indus, vulnerable communities along reaches of these rivers and their tributaries / Nullahs to be sensitized for requisite measures.***
- l. **PDMA Punjab, Sindh & Balochistan Only. *Considering possibility of rains in Sindh, Eastern Balochistan & D.G Khan Division, vulnerable communities especially along hill torrents be sensitised for requisite precautionary measures. Relevant stakeholders also be sensitised to critically monitor the situation.***
- m. **PDMA Punjab Only.** Please share segregated data of losses & damages from start of Monsoon Season 201, as reflected at Annex C.

RIVERS FLOW SITUATION REPORTED BY FLOOD FORECASTING DIVISION

<u>Rivers</u>						
River / Structure	Design Capacity	Actual Observed Flow		Forecast for Next 24 hrs (Inflow)	Forecasted Flood Level (Inflow)	Danger Level (V. High Flood)
		In Flow	Out Flow			
<u>River Indus</u>						
Tarbela	1,500	239.0	208.2	230 – 245	Below Low	650
Kalabagh	950	305.4	297.6	305 F 250	Low	650
Chashma	950	206.7	196.0	205 R 300	Low	650
Taunsa	1,100	260.1	238.6	240 – 260	Low	650
Guddu	1,200	192.7	162.4	No Significant Change	Below Low	700
Sukkur	1,500	147.4	103.0	-do-	-do-	700
Kotri	875	62.2	34.6	-do-	-do-	650
<u>River Kabul</u>						
Nowshera	540	49.2	49.2	45 – 60	Low	200
<u>River Jhelum</u>						
Mangla	1,060	34.0	10.0	40 – 90	Low (Sharp Peak of Medium Flood)	225
Rasul	850	9.0	5.3	No Significant Change	Below Low	225
<u>River Chenab</u>						
Marala	1,100	88.8	56.1	90 – 150	Low	400
Khanki	800	80.5	72.0	80 – 110	Low	400
Qadirabad	807	70.7	48.7	80 – 110	Low	400
Trimmu	645	81.6	69.0	40 – 80	Below Low	450
Panjnad	700	39.2	26.1	40 – 50	-do-	450
<u>River Ravi</u>						
Jassar	275	4.1	4.1	No Significant Change	Below Low	150
Shahdara	250	26.7	26.7	-do-	-do-	135
Balloki	225	48.4	16.6	-do-	-do-	135
Sidhnai	150	20.7	6.9	-do-	-do-	90
<u>River Sutlej</u>						
G.S.Wala	--	6.0 (Gauge in Feet)		No Significant Change	Below Low	25.3 Feet
Sulemanki	325	16.4	3.2	-do-	-do-	175
Islam	300	1.6	0.0	-do-	-do-	175

Note. All data in Thousands of Cusecs.

PAST METEOROLOGICAL SITUATION AND FUTURE FORECAST BY PMD

1. **Rainfall Reported Last 24 Hours**

- a. **Islamabad.** Shamsabad 1 mm.
- b. **Khyber Pakhtunkhwa.** Shinkiari 39 mm, Balakot 17 mm, Mirkhani 13 mm, Oghi 3 mm, Drosh 3 mm, Rashidabad 3 mm, Attock Khairabad 1 mm and Kakul 1 mm.
- c. **Punjab.** Sialkot 44 mm, Murree 9 mm, Chakwal 4 mm and Talhatta 2 mm.
- d. **Sindh.** Mithi 4 mm.
- e. **AJ&K.** Chattar Kallas 21 mm, Garhi Dupatta 14 mm, Muzaffarabad 11 mm, Domel 9 mm, Kallar 6 mm, Hattian Bala 5 mm, Kotli 1 mm and Palandri 1 mm.

2. **Weather Forecast Next 24 Hours.** Scattered thunderstorm / rain with isolated heavy falls is expected over Sindh and the upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej alongwith Rawalpindi, Sargodha, Gujranwala, Lahore, Sahiwal & D.G.Khan Divisions. Isolated thunderstorm / rain is expected over Khyber Pakhtunkhwa, Eastern Balochistan, Faisalabad & Bahawalpur Divisions alongwith upper catchment of River Indus.

3. **Weather Outlook from 23 – 24 July 2017.** Scattered thunderstorm / rain with isolated heavy falls and one or two very heavy falls is expected over ***Sindh, Eastern Balochistan & South Punjab.*** Moderate Rainfall with isolated heavy falls is likely over the ***upper catchments of Rivers Jhelum, Chenab, Ravi & Sutlej*** alongwith North Punjab & Khyber Pakhtunkhwa during the period.

4. **Weather Last 24 Hours.** Rain-thunderstorm occurred at isolated places in Rawalpindi, Gujranwala, Hazara, D.I.Khan, Mirpurkhas Divisions, Gilgit-Baltistan and Kashmir. Weather remained hot and humid in other parts of the Country.

Annex C
To NDMA SITREP No-021
dated 22 July 2017

PRELIMINARY DAMAGES / LOSSES MONSOON – 2017

(FROM 26 JUNE TO 21 JULY 2017)

Provinces	Deaths				Injured				Houses Damaged		
	M	F	C	T	M	F	C	T	P	F	T
Punjab	-	-	-	30	-	-	-	77	-	-	12
Khyber Pakhtunkhwa	5	1	7	13	2	4	8	14	15	14	29
Sindh	3	-	3	6	4	6	7	17	5	-	5
Balochistan	13	4	9	26	-	-	-	-	36	-	36
AJ&K	1	-	-	1	-	1	-	1	17	12	29
FATA	-	4	4	8	1	7	2	10	-	3	3
Gilgit-Baltistan	-	-	-	-	-	-	-	-	5	-	5
ICT	1	1	1	3	-	-	-	-	1	-	1
TOTAL	-	-	-	87	-	-	-	119	-	-	120

Source. PDMA's

M,F,C denotes Male, Female & Children while P & F denote Partially & Fully

Annex D
To NDMA SITREP No-021
dated 22 July 2017

RELIEF PROVIDED MONSOON – 2017

Items	Khyber Pakhtunkhwa	Balochistan	TOTAL
	PDMA / DDMA's	PDMA / DDMA's	
Tents	155	400	555
Food Items (Bags)	-	100	100
Wheat (Bags)	600	-	600
Rice (Bags of 25 Kgs each)	-	220	220
Blankets / Quilts	570	-	570
Plastic Mats	150	100	250
Kitchen Sets	300	150	450
Mosquito Nets	300	1,100	1,400
Sleeping Bags	-	250	250
Water Tanks	-	150	150
Jerry Cans	300	1,000	1,300
Life Saving Jackets	-	50	50
Gas Cylinders	150	-	150