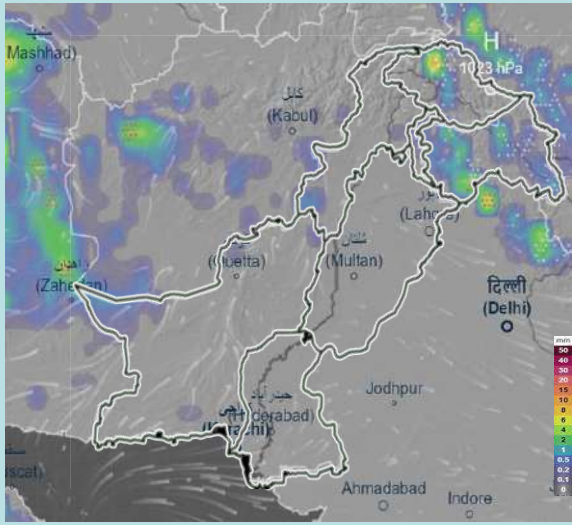




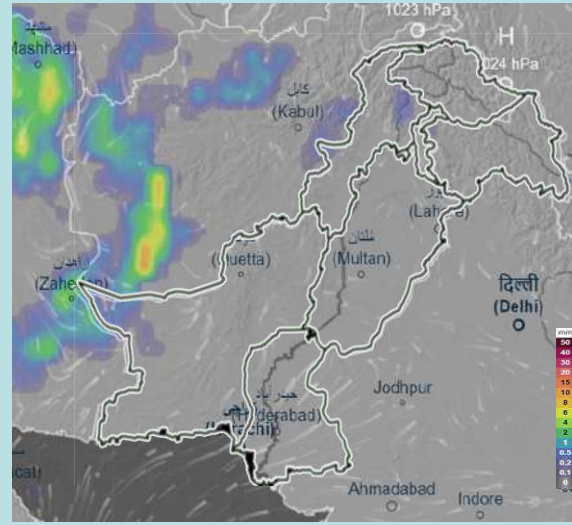
# NEOC Probabilistic weather Outlook (23<sup>rd</sup> to 30<sup>th</sup> April) (NDMA) - Pakistan



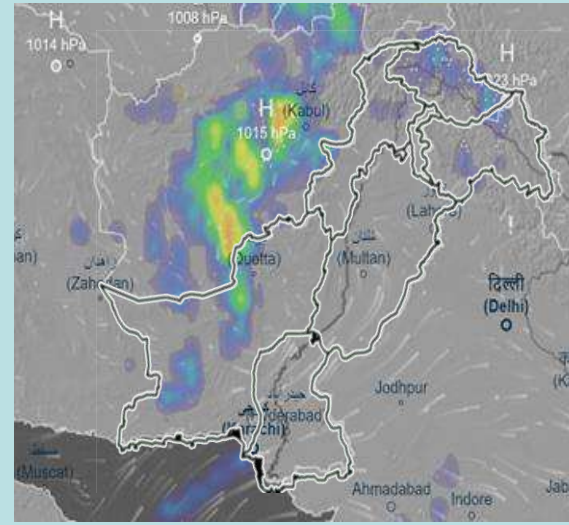
23<sup>th</sup> April 2024



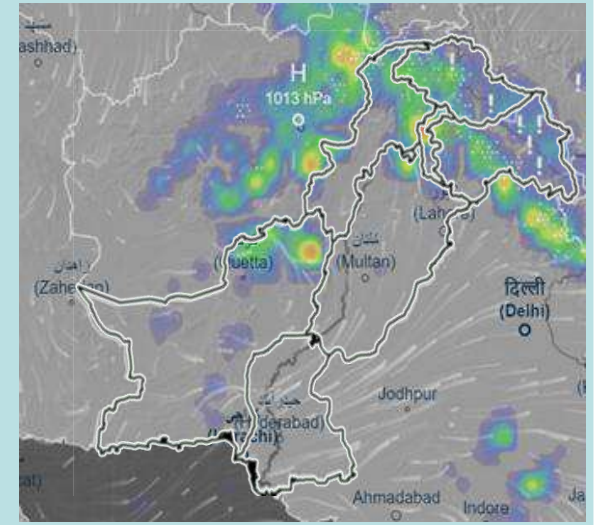
24<sup>th</sup> April 2024



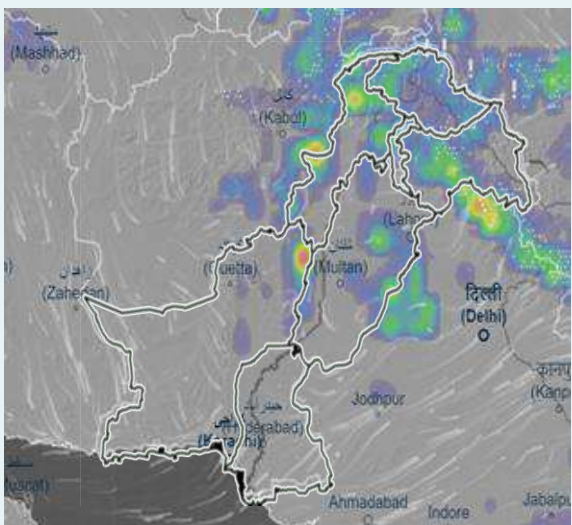
25<sup>th</sup> April 2024



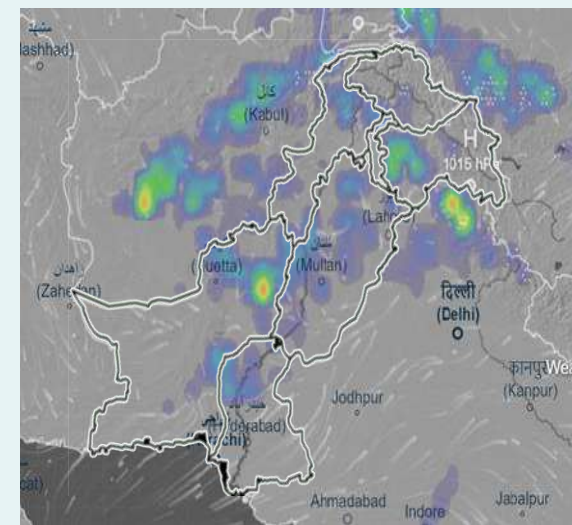
26<sup>th</sup> April 2024



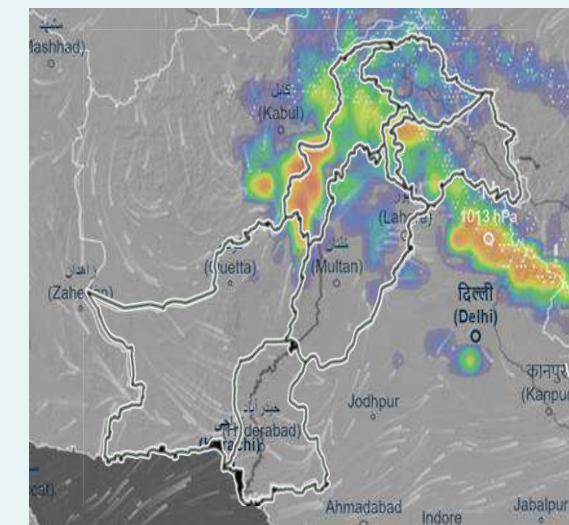
27<sup>th</sup> April 2024



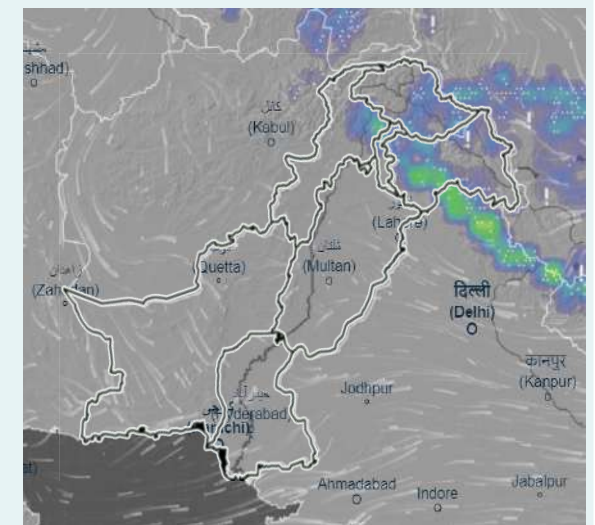
28<sup>th</sup> April 2024



29<sup>th</sup> April 2024



30<sup>th</sup> April 2024

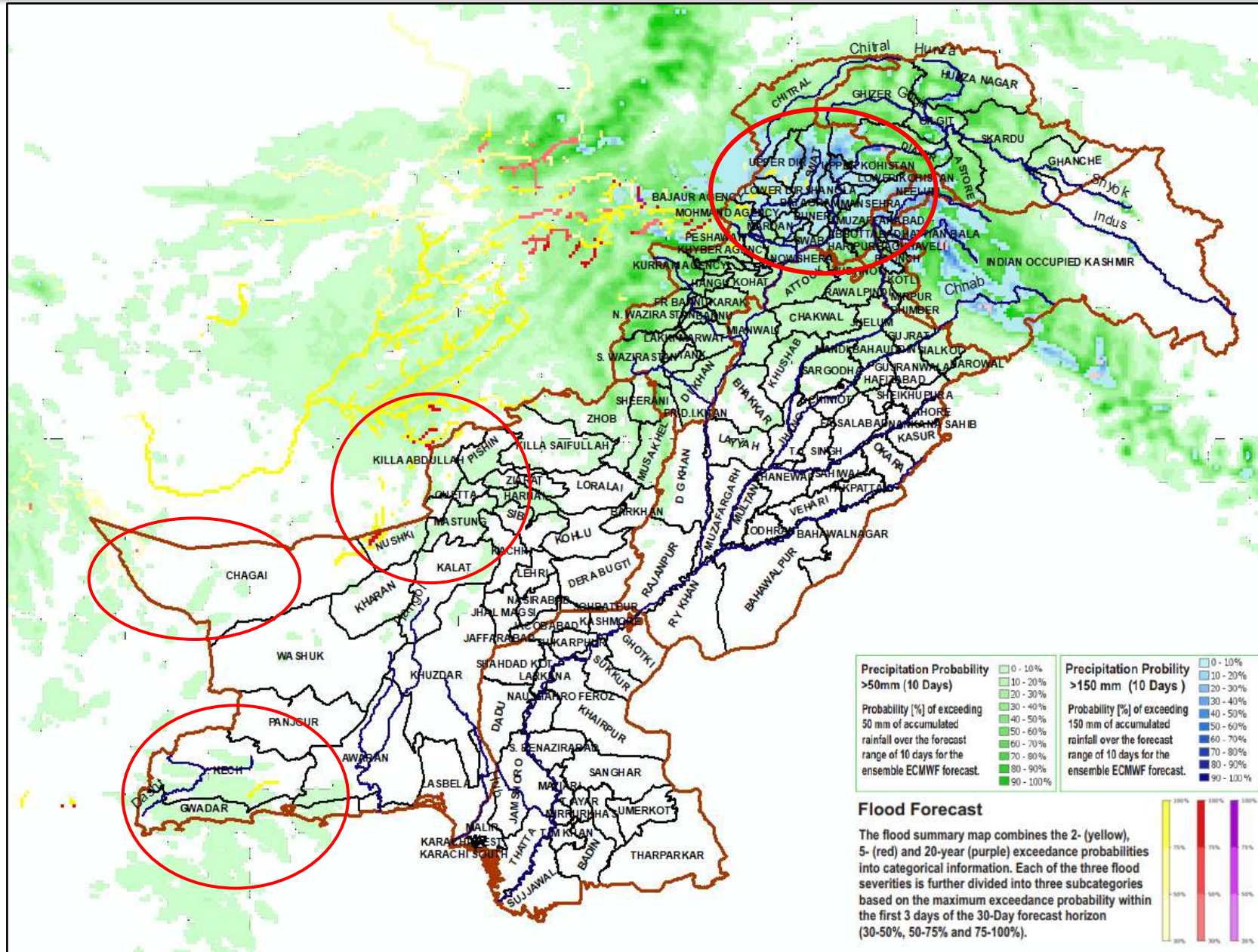






## Potential Impact:

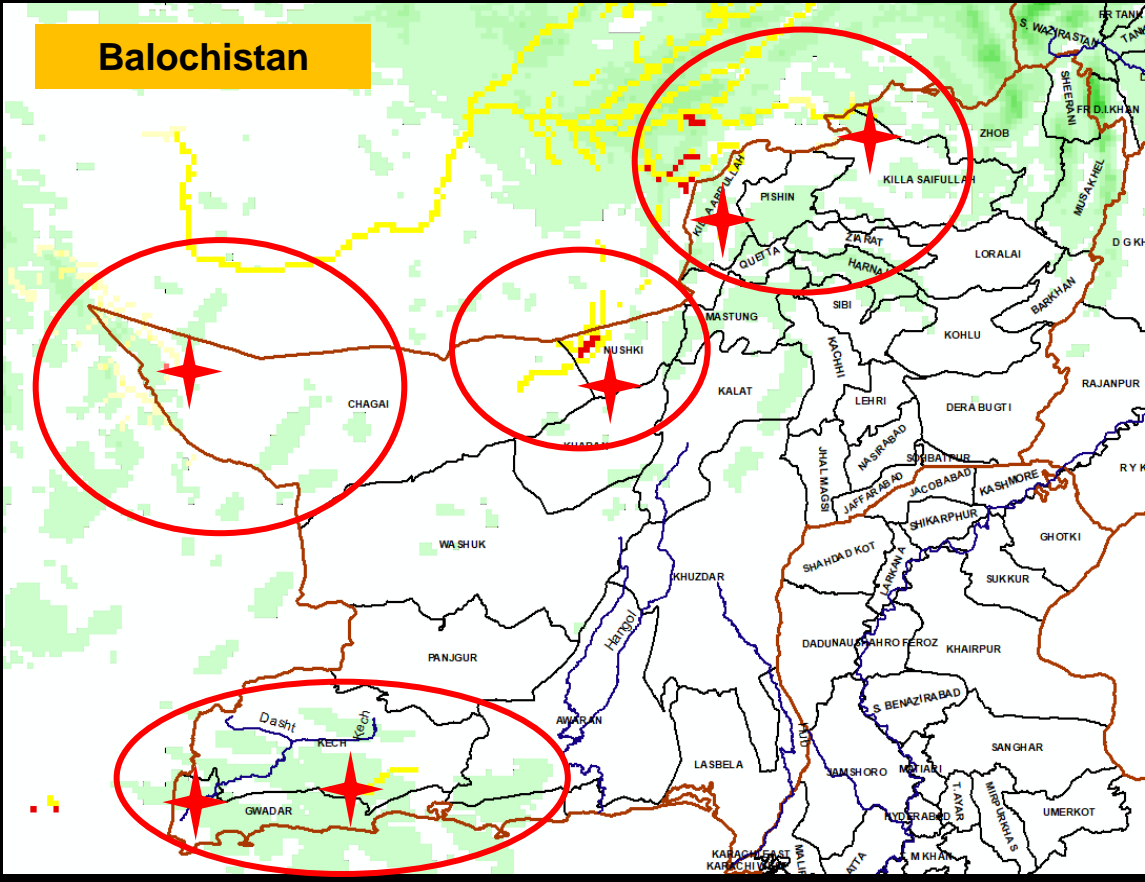
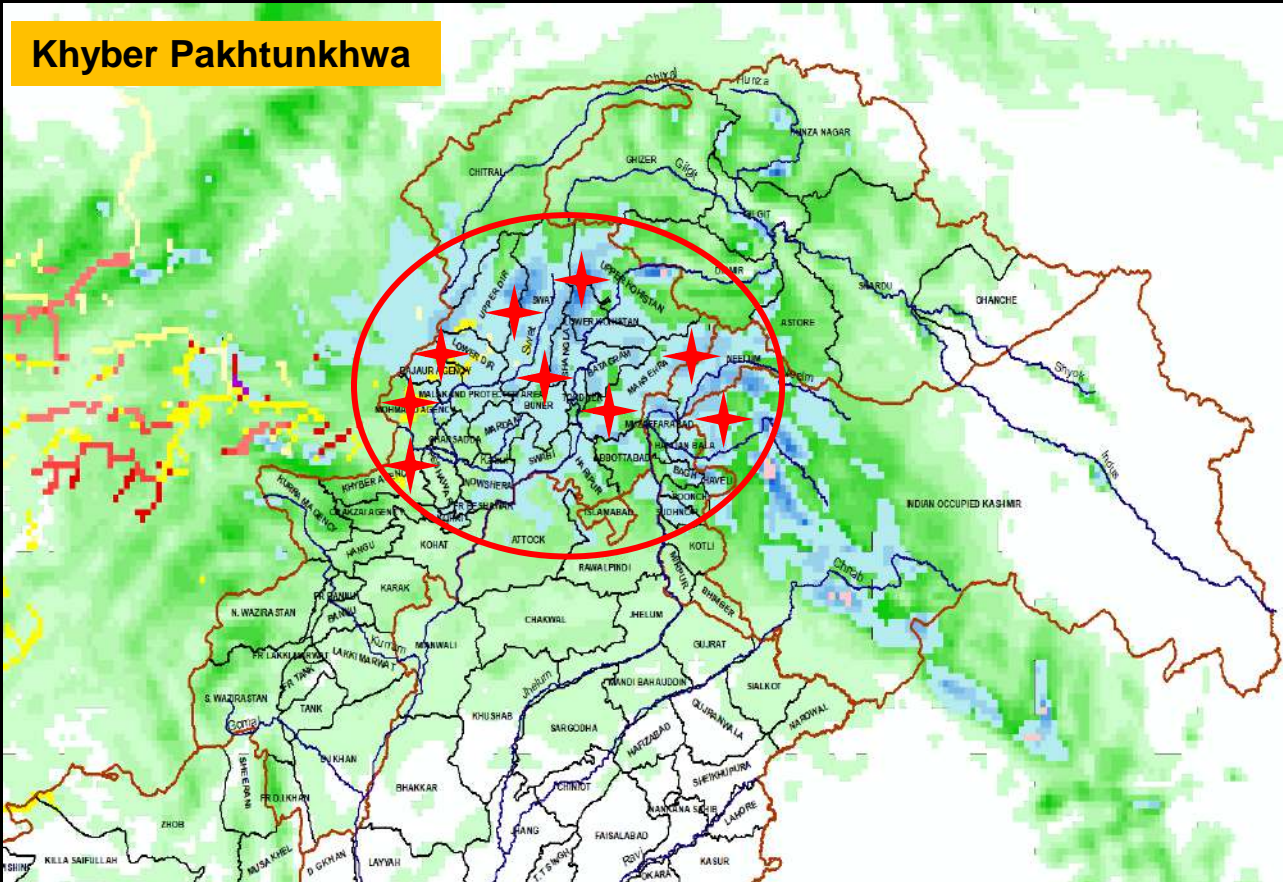
- **Moderate to heavy rains** may generate **flash flooding** in local nullahs/streams of Balochistan & **flash and riverine flooding** in Khyber Pakhtunkhwa & AJK.
- **Localized flooding** may **disrupt roads** during the forecasted period.
- **Rainfall** may generate **flash flooding** in **hill torrents** of DG Khan and Rajanpur.
- **Local residents & tourists** are advised to avoid **unnecessary traveling** and are advised to **remain cautious** during the spell and **check weather updates** before traveling.
- **Electricity /other utility** services may get disrupted.





Moderate to Heavy rainfall is anticipated so River Kabul at Nowshera and its tributaries are likely to remain in rising trend with Medium to Very High Flood levels during the forecast period. These rains are likely to cause a surge in water levels within streams and nullahs of Kabul catchment area.

Moderate to Heavy rainfall may generate flash flooding in local nullahs/Streams of Balochistan specially (Gwader, Kech, Chagai, Nuskh, Killa Abdullah, Killa Saifullah, Pasin and Zhob) and low lying surrounding areas.





# National Disaster Management Authority (NDMA) - Pakistan

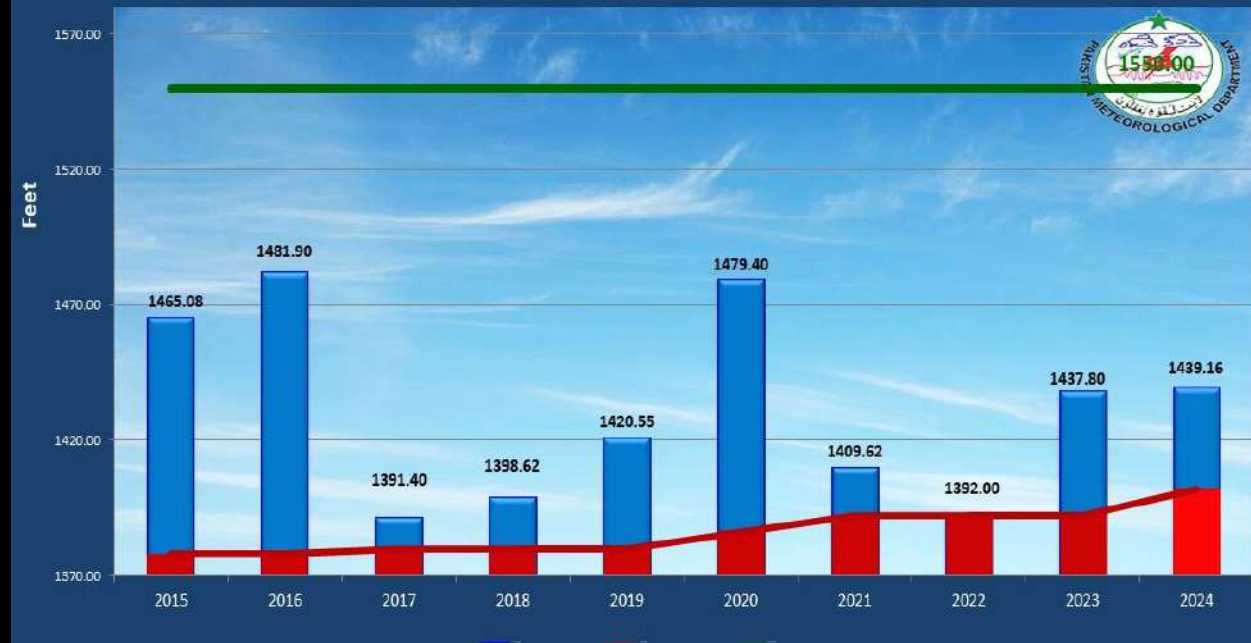


- **River Kabul** at Nowshera is likely to remain in rising trend with **Medium to Very High Flood levels** during the forecast period. Current Flood Level at Nowshera is **123,700 cusec** which is expected to reach above 200,000 cusec from 26<sup>th</sup> to 29<sup>th</sup> April.
- **River Swat** is also expected to show **rising trends** in the forecast period with discharges reaching above 100,000 cusec at Munda headwork
- **River Mingora** is expected to **show rising trends** with discharge reaches up to **40,000 cusecs**.
- All the **main rivers of Indus River System** ( Indus, Jhelum, Chenab, Ravi, Sutlej) are expected to flow with **normal discharges**.

River Kabul at Nowshera Avg Inflows in Cusecs at 0600  
21-April



Daily Tarbela Reservoir Level (Feet) on 21-April







## NATIONAL EMERGENCY OPERATION CENTER (NEOC) FLOOD FORECAST



### ANTICIPATED EXPOSURE

#### Exposed Elements

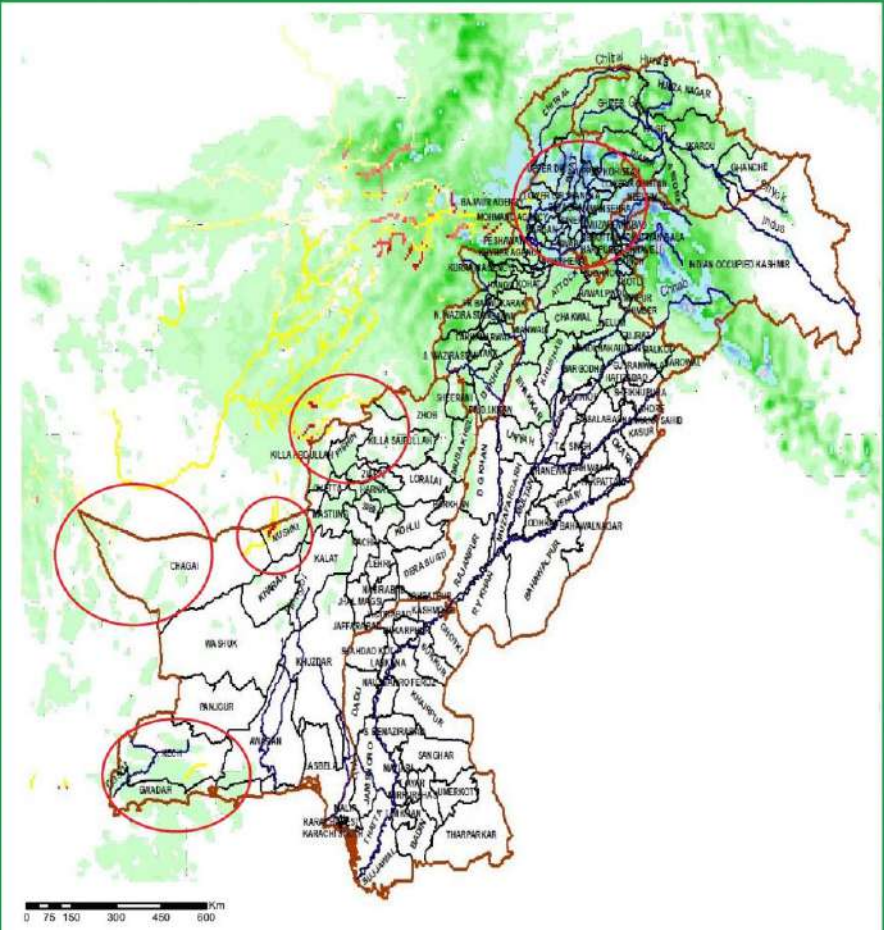
	Districts	Settlements	Population	Health	No of Roads	Schools	Bridges
<b>Balochistan</b>							
Kech	33	9,876	07	05	37	14	
Khuzdar	55	16,392	06	12	23	20	
Awaran	17	5,034	02	02	09	09	
Kalat	34	10,224	05	04	06	03	
<b>Khyber Pakhtunkhwa</b>							
Dir	21	6,294	04	03	29	12	
Malakand	16	4,530	06	16	63	35	
Swabi	14	3,354	05	06	38	37	
Kohistan	23	6,900	03	02	04	29	
Mardan	15	4,530	05	16	63	36	
Shangla	19	5,832	02	30	36	28	
Charsada	14	4,158	05	59	41	24	
Swat	12	3,354	04	05	35	37	
Nowshera	45	13,590	06	44	53	25	
<b>Punjab</b>							
DG Khan	54	16,242	07	05	21	14	
Rajanpur	47	14,196	05	02	39	24	

#### LEAD RESPONDER

- Balochistan (PDMA)
- Khyber Pakhtunkhwa (PDMA)
- Punjab (PDMA)
- PTA (Pakistan Telecommunication Authority)
- Food Authorities (Balochistan, KP)
- Health Department and NHA (National Highway Authority)
- NDMA, Federal Organizations Including Military, WAPDA, Key Ministries
- Rescue 1122, UN Organization, Areas NGOs (Names as per NDMA index)

Expected Occurrence Time

**23rd April to 29th April 2024**



<p><b>Precipitation Probability &gt;50mm (10 Days)</b></p> <ul style="list-style-type: none"> <li>0 - 10%</li> <li>10 - 20%</li> <li>20 - 30%</li> <li>30 - 40%</li> <li>40 - 50%</li> <li>50 - 60%</li> <li>60 - 70%</li> <li>70 - 80%</li> <li>80 - 90%</li> <li>90 - 100%</li> </ul> <p>Probability (%) of exceeding 50 mm of accumulated rainfall over the forecast range of 10 days for the ensemble ECMWF forecast.</p>	<p><b>Precipitation Probability &gt;150 mm (10 Days)</b></p> <ul style="list-style-type: none"> <li>0 - 10%</li> <li>10 - 20%</li> <li>20 - 30%</li> <li>30 - 40%</li> <li>40 - 50%</li> <li>50 - 60%</li> <li>60 - 70%</li> <li>70 - 80%</li> <li>80 - 90%</li> <li>90 - 100%</li> </ul> <p>Probability (%) of exceeding 150 mm of accumulated rainfall over the forecast range of 10 days for the ensemble ECMWF forecast.</p>	<p><b>Flood Forecast (Day 1-3)</b></p> <p>The flood summary map combines the 2- (yellow), 5- (red) and 20-year (purple) exceedance probabilities into categorical information. Each of the three flood severities is further divided into three subcategories based on the maximum exceedance probability within the first 3 days of the 30-Day forecast horizon (30-50%, 50-75% and 75-100%).</p>
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