



F.2 (E)/2024-NDMA (MW/Weather Advisory-XXX)

Government of Pakistan
Prime Minister's Office

National Disaster Management Authority (HQ)
Main Murree Road Near ITP Office, Islamabad



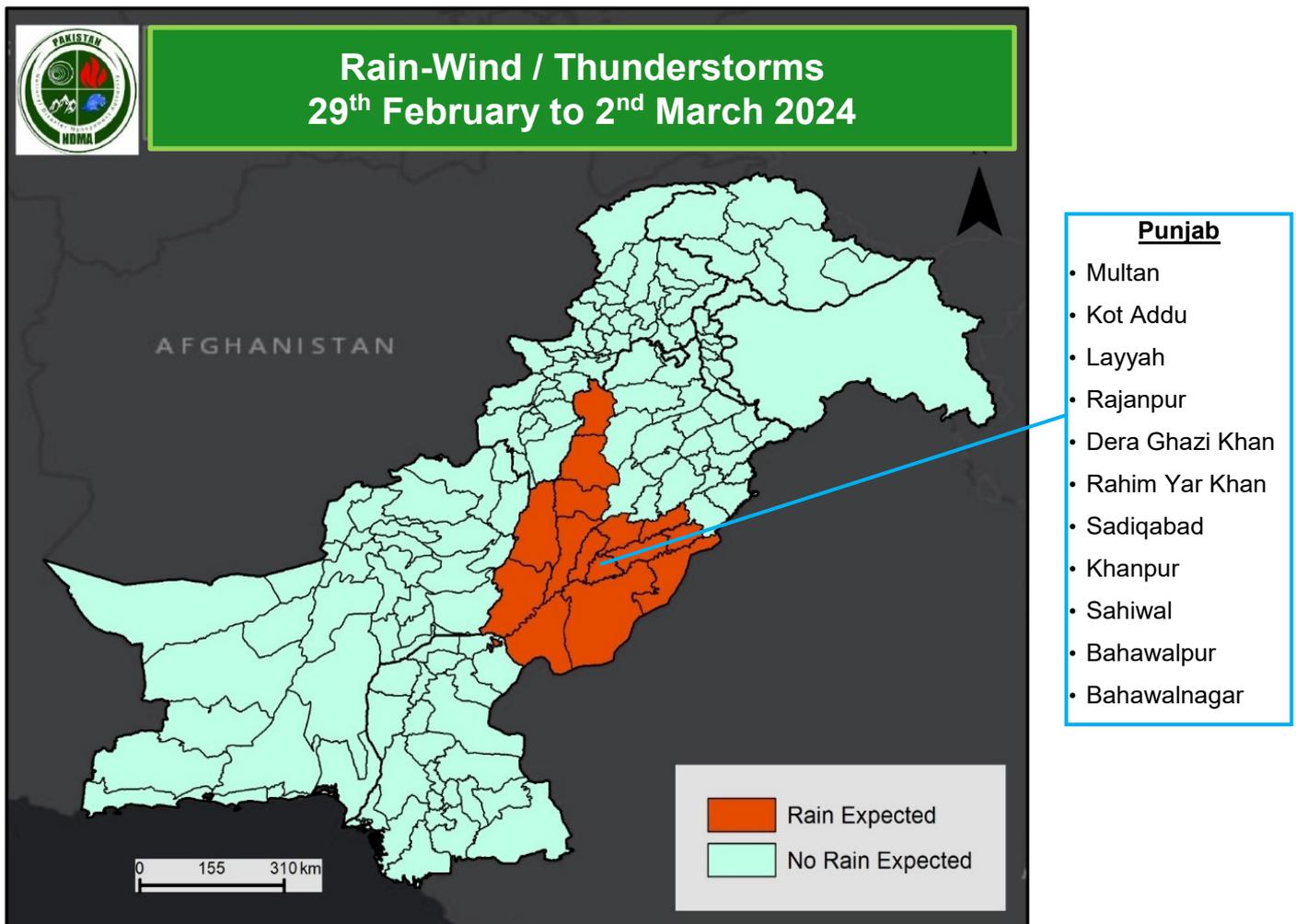
Dated: 27 February 2024

Subject: **Torrential Rainfall / Heavy Snowfall with Windstorm / Thunderstorm & Isolated Hailstorm Predicted in Most Parts of the Country from 29th February 2024 to 2nd March 2024**

Reference:

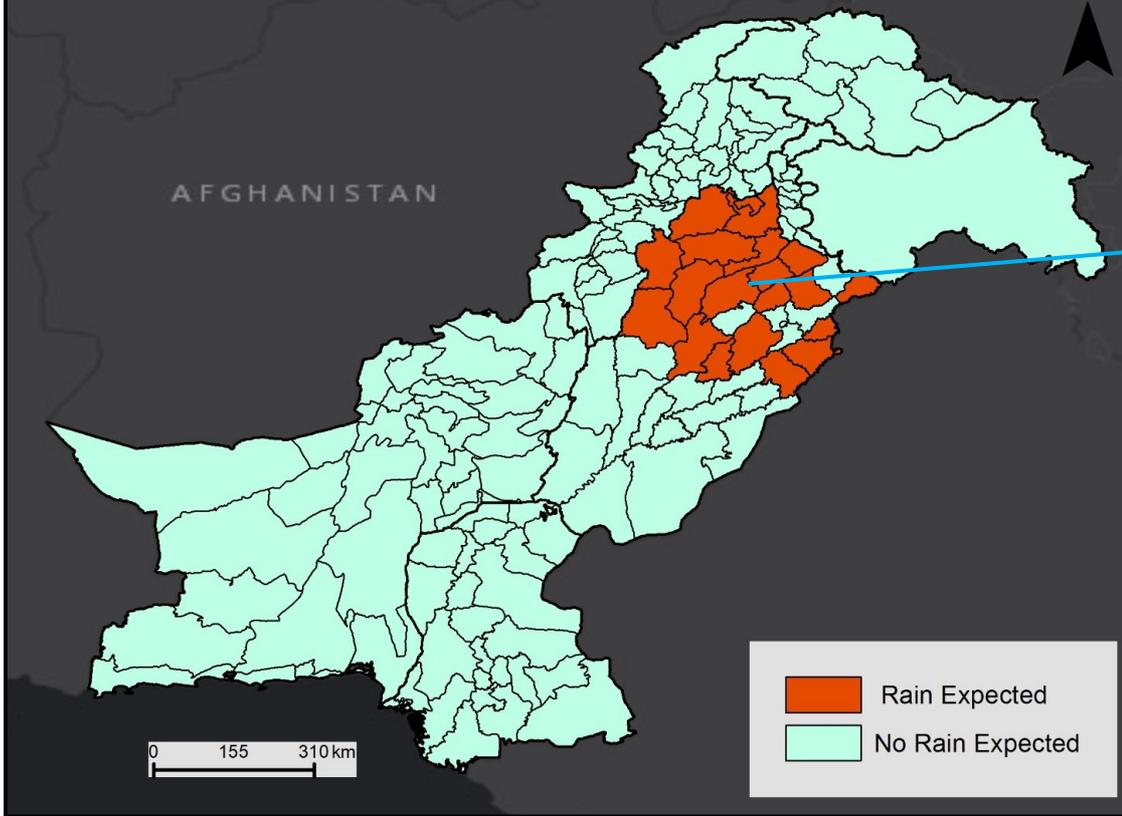
- A. Winter Guidelines vide NDMA Letter No. F.2 (E)/2022-NDMA (MW/Winter-Tourist-Guidelines-2023-24) of 7 December 23
- B. NDMA letter No. F-2(E)/2023-NDMA(Winter Hazards/Preparedness) of 21 December 23.

NDMA Tech Team and Pakistan Meteorological Department (PMD Press Release at **Annex-A**) have forecasted that a **westerly wave** is entering from **29th February 2024** and may persist till **2nd March 2024**. Under the influence, **Torrential Rainfall / Heavy Snowfall with Windstorms / Thunderstorms & Isolated Hailstorms are expected** in following areas of the country:-





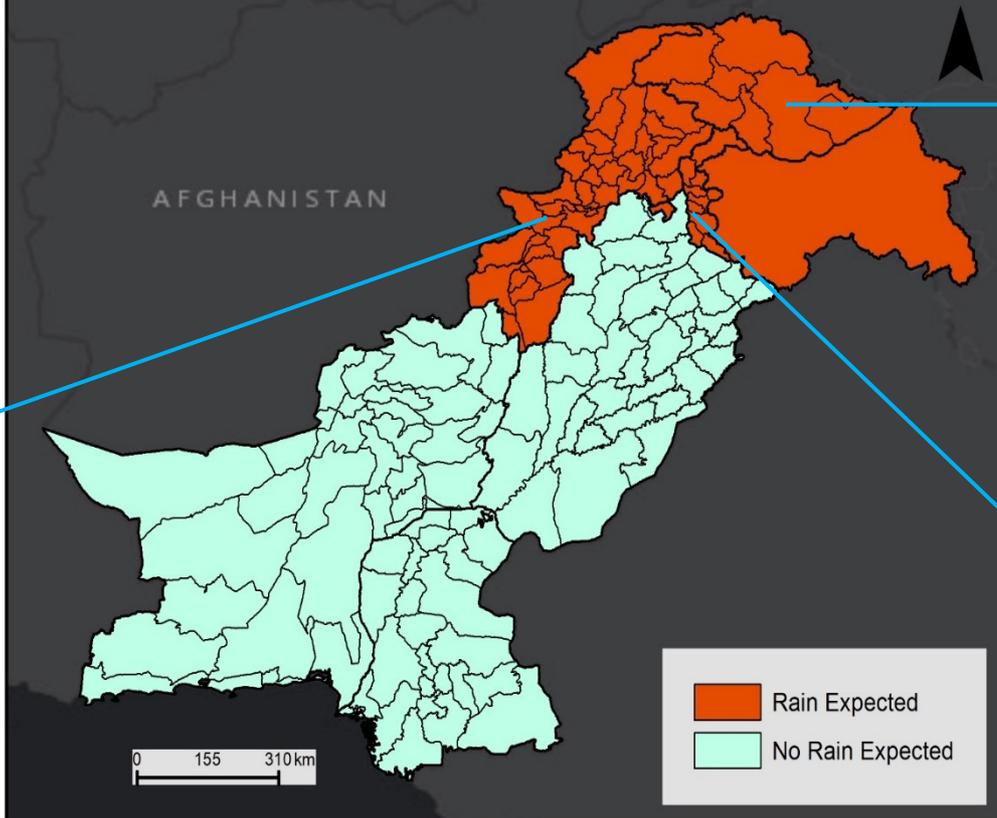
**Heavy Rains with Windstorms / Thunderstorms
1st to 2nd March 2024**



- Punjab**
- Murree
 - Islamabad
 - Rawalpindi
 - Attock
 - Chakwal
 - Jhelum
 - Mandi Bahauddin
 - Gujrat
 - Gujranwala
 - Hafizabad
 - Sialkot
 - Narowal
 - Lahore
 - Kasur
 - Okara
 - Faisalabad
 - Toba Tek Singh
 - Jhang
 - Khushab
 - Sargodha
 - Mianwali
 - Bhakkar



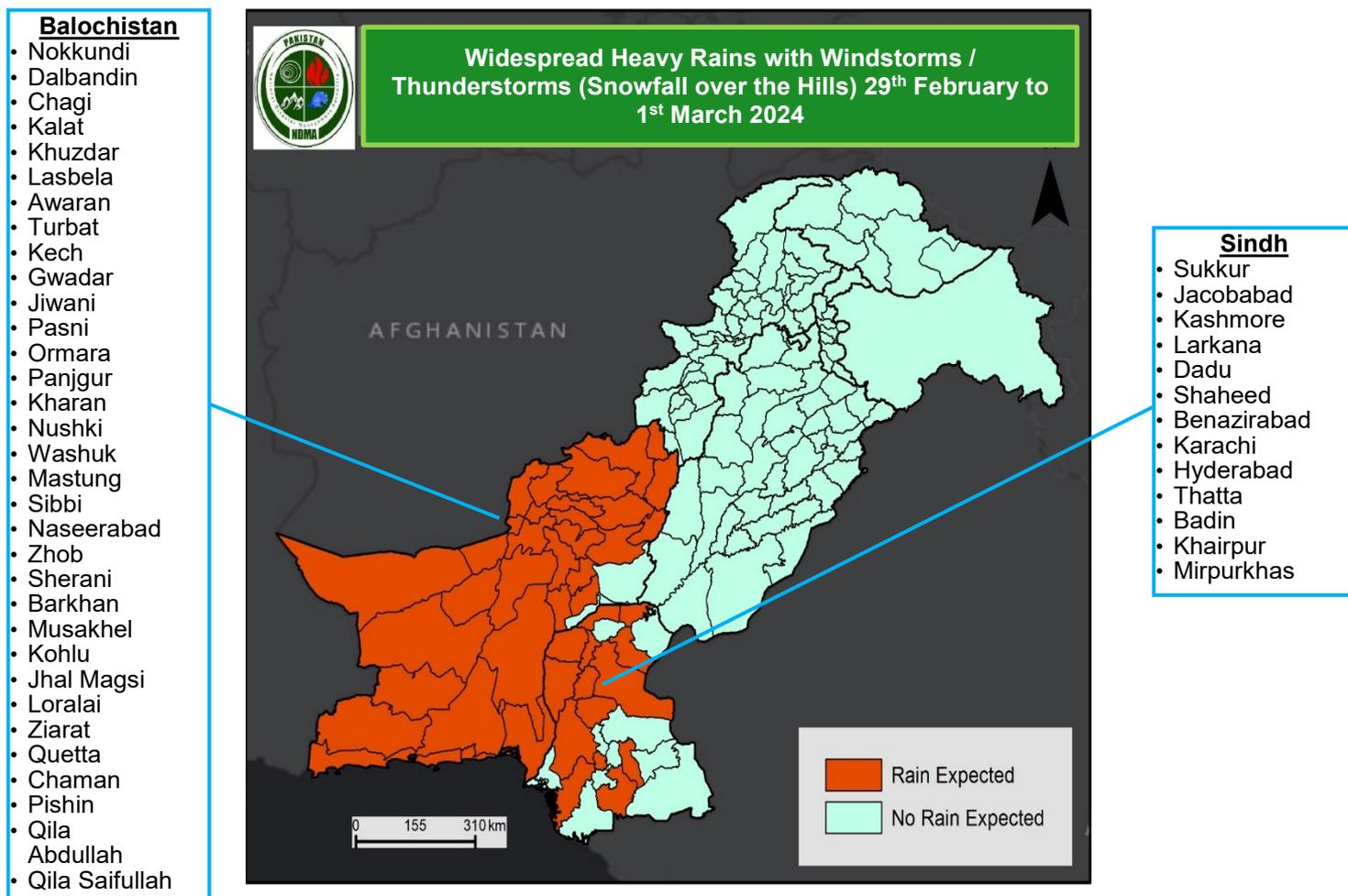
**Heavy to Extremely Heavy Widespread Rains with
Windstorms / Thunderstorms (Heavy Snowfall over the Hills)
29th February to 3rd March 2024**



- Khyber Pakhtunkhwa**
- Chitral
 - Dir
 - Swat
 - Abbottabad
 - Mansehra
 - Haripur
 - Kohistan
 - Shangla
 - Buner
 - Bajaur
 - Karak
 - Khyber
 - Peshawar
 - Charsadda
 - Nowshera
 - Swabi
 - Mardan
 - Kurram
 - Waziristan
 - Kohat
 - Lakki Marwat
 - Bannu
 - DI Khan

- Gilgit Baltistan**
- Diamer
 - Astore
 - Ghizer
 - Skardu
 - Hunza
 - Gilgit
 - Ghanche
 - Shigar

- AJ&K**
- Neelum Valley
 - Muzaffarabad
 - Rawalakot
 - Poonch
 - Hattian
 - Bagh
 - Haveli
 - Sudhnoti
 - Kotli
 - Bhimber



2. Under the influence of this weather system, following are likely impacts: -

a. **Punjab, KP, GB, Murree, Galiyat**

- (1) **Widespread & Heavy Rainfall** may cause **flash flooding** in local nullahs Balochistan, Khyber Pakhtunkhwa, Murree, Galiyat, Islamabad & Rawalpindi.
- (2) **Heavy Snowfall** may **disrupt roads** in Murree, Galiyat, Naran, Kaghan, Dir, Swat, Kohistan, Mansehra, Abbottabad, Shangla, Astore, Hunza, Skardu, Neelum Valley, Bagh, Poonch and Haveli during the forecasted period.
- (3) Tourists are **advised to remain cautious** during the spell and check weather updates before traveling.
- (4) **Electricity** / other **utility services** may **get disrupted**.
- (5) **Landslides, mudslides**, isolated rain spells and **snowfall** may lead to potential **road blockages** in Upper Khyber Pakhtunkhwa, Murree, Galiyat, Kashmir and Gilgit Baltistan.
- (6) **Temperatures** are likely to **drop** significantly.
- (7) Wind-thunderstorms / hailstorms may damage loose structures like electric poles, vehicles and solar panels etc.
- (8) Tourists are **advised to avoid unnecessary travelling in at-risk areas during the forecasted period**.

b. **Balochistan and Sindh**

- (1) **Heavy rainfall** may cause **flash flooding** in local nullahs.
- (2) **Landslides / mudslides** may lead to potential **road blockages** due to heavy rainfall.
- (3) Wind-thunderstorms / hailstorms may damage loose structures like electric poles, vehicles and solar panels etc.
- (4) **Farmers** are advised to remain **extra cautious** about their crops and plan agricultural activity accordingly during the spell.
- (5) Tourists are **advised to avoid unnecessary travelling in at-risk areas during the forecasted period.**

3. All PDMA's / GBDMA / SDMA and ICT Administration, NHA, NH&MP, FWO, Rescue 1122, Dam Authorities, Line Departments, Ministries and Federal Agencies are required to undertake measures as per respective mandates. However, the following is to be ensured by all concerned, in addition to measures deemed appropriate as per on ground situation / requirements: -

- a. Ensure **round-the-clock monitoring** of the situation through EOCs with **regular feedback** to PEOCs and NEOC.
- b. **Forewarn travelers / visitors** about risks posed from flooding / landslides and likely snowfall over mountains in vulnerable locations and **provide guidance and assistance** in case of emergencies through local administration, police and rescue services.
- c. Conduct **mass public awareness campaigns** to educate residents and travelers in vulnerable areas about the risks of flash flooding / landslides / avalanche / blizzard and take precautionary measures.
- d. Ensure that in places where there is a high risk of urban floods, flash flooding, hill torrents and landslides - **emergency services, personnel and equipment** (such as Rescue 1122, Fire Brigade, Ambulance and Civil Defense, among others) are **available**.
- e. **Preplace necessary emergency equipment** at vulnerable / strategic locations to expedite response efforts and **complete stocking** / replenishment of stocks.
- f. NH&MP and Traffic Police to **coordinate** with **Law Enforcement Agencies** to **manage** and **redirect traffic** from affected areas to safer areas, to prevent congestion and facilitate emergency response efforts.
- g. NHA / Line Departments to conduct **regular inspections of critical infrastructure**, such as bridges and roads, to **identify and address any vulnerability** that may lead to structural damage during heavy rainfall.
- h. PMD / FFD / PDMA's / PIDs to **proactively monitor nullahs / storm water drains**,

to ensure their proper functioning and prevent blockages that may lead to inundation.

- i. Ensure widespread **circulation of alerts and advisories**, especially in local languages, to **raise awareness** and **sensitize travelers / tourists** and local communities in at-risk / vulnerable areas.
 - j. **Coordinate with relevant departments** to secure loose structures such as electrical poles, solar panels, hoardings and under-construction buildings to **mitigate potential damages** from dust-wind / thunderstorms.
 - k. **Advise general public** to **seek shelter** in safe areas, such as sturdy buildings or underground structures during dust-wind / hail-thunderstorms and avoid objects that pose a risk of falling / being struck by lightning.
 - l. **Strengthen coordination** among all **relevant departments** and agencies to facilitate timely **sharing of information** and resources during emergency situations.
 - m. **Establish reliable communication channels** with local communities to provide timely updates, instructions and emergency contact information.
 - n. **Advise farmers** to take **necessary mitigative** and **precautionary measures** to safeguard their crops through timely harvesting, safe storage or any other precaution from adverse effects of dust-wind-thunderstorms / hailstorms and likely drop in temperatures.
 - o. **Share** daily / routine **updates** with NDMA in case of any eventuality.
3. **Press Information Department Only**. With the request to ensure wider circulation and public awareness.
 4. Forwarded for information / necessary action, please.



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Government of Pakistan
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Pakistan Meteorological Department
Sector: H-8/2, Islamabad.

NWFC-5(10A)/2017/68

Weather Advisory/Alert:

Date: 27th February, 2024
Time: 13:00 PST

Torrential Rainfall/Heavy snowfall with Windstorm/Thunderstorm & Isolated Hailstorm predicted in most parts of the country from 29th February to 02nd March.

Heavy Rainfall may generate flash floods/Heavy snowfall may disrupt daily life in vulnerable areas

Met Office informed that a strong westerly wave is likely to approach western parts on 29th Feb and may grip most parts of the country on 01st March, and persist till 02nd March. Under the influence of this weather system:

Balochistan: Widespread heavy rain with windstorm/thunderstorm (snowfall over the hills) is expected in Nokkundi, Dalbandin, Chagi, Kalat, Khuzdar, Lasbella, Awaran, Turbat, Kech, Gwadar, Jiwani, Pasni, Ormara, Panjgur, Kharan, Noushki, Washuk, Mastung, Sibbi, Naseerabad, Zhob, Sherani, Barkhan, Musakhel, Kohlu, Jhal Magsi, Loralai, Ziarat, Quetta, Chaman, Pishin, Qila Abdullah and Qila Saifullah from **29th Feb & 01st March.** Isolated hailstorm is also likely during the period.

Khyber Pakhtunkhwa: Heavy to extremely heavy widespread rain with windstorm/thunderstorm (Heavy snowfall over the hills) is expected in Chitral, Dir, Swat, Abbottabad, Mansehra, Hariipur, Kohistan, Shangla, Buner, Bajaur, Karak, Khyber, Peshawar, Charsadda, Nowshera, Swabi, Mardan, Kurram, Waziristan, Kohat, Lakki Marwat, Bannu and Dera Ismail Khan from **29th Feb to 03rd March.** Isolated hailstorm is also likely during the period.

Gilgit-Baltistan/Kashmir: Heavy to extremely heavy widespread rain with windstorm/thunderstorm & snowfall is expected in Gilgit-Baltistan (Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche, Shigar), Kashmir (Neelum valley, Muzaffarabad, Rawalakot, Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber, Mirpur) from **29th Feb to 03rd March.** Isolated hailstorm is also likely during the period.

Punjab/Islamabad: Widespread heavy rain with windstorm/thunderstorm is expected in Murree, Galliyat, Islamabad/Rawalpindi, Attock, Chakwal, Jhelum, Mandi Bahauddin, Gujrat, Gujranwala, Hafizabad, Sialkot, Narowal, Lahore, Kasur, Okara, Faisalabad, Toba Tek Singh, Jhang, Khushab, Sargodha, Mianwali and Bhakkar on **01st & 02nd March.** Heavy snowfall is also expected in Murree, Galliyat and surrounding during the period. Rain-wind/thunderstorm is expected in Multan, Kot Addu, Layyah, Rajanpur, Dera Ghazi Khan, Rahim Yar Khan, Sadiqabad, Khanpur, Sahiwal, Bahawalpur and Bahawalnagar from **29th Feb to 02nd March.** Isolated hailstorm is also likely during the period.

Sindh: Rain-wind/thunderstorm is expected in Sukkur, Jacobabad, Kashmore, Larkana, Dadu, Shaheed Benazirabad Karachi, Hyderabad, Thatta, Badin, Khairpur and Mirpurkhas on **29th Feb & 01st March.** Isolated hailstorm is also likely during the period.

Possible Impacts and advises:

- Heavy rainfall may cause flash flooding in local nullah's of Gwadar, Ketch, Turbat, Panjgur, Awaran, Barkhan, Kohlu, Sibbi, Naseerabad, Dalbandin, Khuzdar, Dera Ghazi Khan on **29th Feb & 01st March,** while heavy rainfall may cause flash flooding in hill torrents of Khyber Pakhtunkhwa, Kashmir, Murree, Galliyat and local nullah's of Islamabad/Rawalpindi on **01st & 02nd March.**
- Heavy rain/snowfall may cause closure of roads in Murree, Galiyat, Naran, Kaghan, Dir, Swat, Kohistan, Mansehra, Abbottabad, Shangla, Astore, Hunza, Skardu, Neelum valley, Bagh, Poonch and Haveli on **01st & 02nd March.**
- Landslides in Upper Khyber Pakhtunkhwa, Murree, Galiyat, Kashmir and Gilgit Baltistan may affect the vulnerable points in the area.
- Wind-thunderstorm/hailstorm may damage loose structures like electric poles, Vehicles and solar panels etc.
- Tourists are advised not to travel unnecessarily, while Farmers are advised to remain cautious about their crops

Note: All concerned authorities are advised to remain "ALERT" and take necessary measures to avoid any untoward situation during the forecast period.

For latest updates: <https://www.pmd.gov.pk/en/>

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Government of Pakistan
Ministry of Aviation (Aviation Division)
Pakistan Meteorological Department
Sector: H-8/2, Islamabad.

NWFC-5(10A)/2017/68

Date: February 27, 2024
Time: 13:00 PST

موسم کی ایڈوائزری /الرت

29 فروری سے 02 مارچ کے دوران ملک کے بیشتر علاقوں میں آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ موسلا دھار بارش /شدید بر فباری /چند مقامات پر ژالہ باری کی پیش گوئی

شدید بارش کے باعث طغیانی /شدید بر فباری سے متاثرہ علاقوں میں روزمرہ کے معاملات متاثر ہونے کا خدشہ

محکمہ موسمیات کے مطابق طاقتور مغربی ہواؤں کا سلسلہ 29 فروری سے ملک کے مغربی علاقوں میں داخل ہوگا اور 01 مارچ کو ملک کے بیشتر علاقوں کو اپنی لپیٹ میں لے گا جو کہ 02 مارچ تک موجود رہے گا۔ جس کے باعث:

بلوچستان: 29 فروری اور 01 مارچ کے دوران نوکنڈی، دالہندین، چاغی، قلات، خضدار، لسبیلہ، آواران، تربت، کچھ، گوار، جیوانی، پستی، اورماڑہ، پنجگور، خاران، نوشکی، واشک، مستونگ، سی، نصیر آباد، ٹوبہ، شیرانی، بارکھان، موسیٰ خیل، کولہو، جھلم، گسپی، اورالائی، زیارت، کونڈ، چمن، پشین، قلعہ عبداللہ اور قلعہ سیف اللہ میں اکثر مقامات پر آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ موسلا دھار بارش اور پہاڑوں پر بر فباری کا امکان۔ اس دوران چند مقامات پر ژالہ باری کی بھی توقع۔

خیبر پختونخوا: 29 فروری سے 03 مارچ کے دوران پتڑال، دیر، سوات، ایبٹ آباد، مانسہرہ، ہری پور، کوہستان، شانگلہ، بونیر، باجوڑ، کرک، خیبر، پشاور، چارسدہ، نوشہرہ، صوابی، مردان، کرم، وزیرستان، کوہاٹ، لکی مروت، بنوں اور ڈیرہ اسماعیل خان میں اکثر مقامات پر آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ موسلا دھار بارش اور پہاڑوں پر شدید بر فباری کا امکان۔ اس دوران چند مقامات پر ژالہ باری کی بھی توقع۔

گلگت بلتستان / کشمیر: 29 فروری سے 03 مارچ کے دوران گلگت بلتستان (دیپایمر، استور، غدر، اسکردو، ہنزہ، گلگت، گانچے، شگل، کشمیر (واوی نیلم، مظفر آباد، راولا کوٹ، پونچھ، ہلیاں، ہاش، جویلی، سدھوتی، کوٹلی، بھمبر، ہیر پور) میں اکثر مقامات پر تیز ہواؤں آندھی اور گرج چمک کے ساتھ موسلا دھار بارش اور شدید بر فباری کا امکان۔ اس دوران چند مقامات پر ژالہ باری کی بھی توقع۔

پنجاب / اسلام آباد: 01 مارچ اور 02 مارچ کو مری، گلیات، اسلام آباد / راولپنڈی، اٹک، چکوال، جہلم، منڈی بہاؤالدین، گجرات، گوجرانوالہ، حافظ آباد، سیالکوٹ، نارووال، لاہور، قصور، اوکاڑہ، فیصل آباد، ٹوبہ ٹیک سنگھ، جھنگ، خوشاب، سرگودھا، میانوالی اور جھکڑ میں اکثر مقامات پر آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ موسلا دھار بارش کا امکان۔ جبکہ مری، گلیات اور ملحقہ علاقوں میں شدید بر فباری بھی متوقع۔ **29 فروری سے 02 مارچ کے دوران** ملتان، کوٹ ادو، لیہ، راجن پور، ڈیرہ غازی خان، رحیم یار خان، صادق آباد، خان پور، ساہیوال، بہاولپور اور بہاولنگر میں آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ بارش متوقع۔ اس دوران چند مقامات پر ژالہ باری کی بھی توقع۔

سندھ: 29 فروری اور 01 مارچ کو سکھر، جیکب آباد، کشور، لاڑکانہ، دادو، شہید بینظیر آباد، کراچی، حیدر آباد، ٹھٹھہ، بدین، خیر پور اور میر پور خاص میں آندھی /جھکڑ چلنے اور گرج چمک کے ساتھ بارش کا امکان۔ اس دوران چند مقامات پر ژالہ باری کی بھی توقع۔

محکمہ اثرات اور احتیاجی تدابیر:

- 29 فروری اور 01 مارچ کو موسلا دھار بارشوں کے باعث گوار، کچھ، تربت، پنجگور، آواران، بارکھان، کولہو، سی، نصیر آباد، دالہندین، خضدار اور ڈیرہ غازی خان جبکہ 01 اور 02 مارچ کو خیبر پختونخوا، کشمیر، مری، گلیات اور اسلام آباد / راولپنڈی کے برساتی /مقامی ندی نالوں میں طغیانی کا خدشہ۔
- 01 اور 02 مارچ کو مری، گلیات، ناران، کاغان، دیر، سوات، کوہستان، مانسہرہ، ایبٹ آباد، شانگلہ، استور، ہنزہ، اسکردو، واوی نیلم، ہاش، پونچھ اور جویلی میں شدید بارش /بر فباری سے رابطہ سڑکیں بند ہونے کا خدشہ۔
- اس دوران بالائی خیبر پختونخوا، مری، گلیات، کشمیر اور گلگت بلتستان میں لینڈ سلائیڈنگ کا بھی خدشہ۔
- آندھی /جھکڑ /ژالہ باری /گرج چمک اور تیز بارش کے باعث کمزور انفراسٹرکچر (جلی کے کھمبے، گاڑیوں اور سول سٹریٹس وغیرہ) کو نقصان کا اندیشہ۔
- آندھی /بارش اور بر فباری کے دوران سیاحوں کو غیر ضروری سفر نہ کرنے کی ہدایت جبکہ کسانوں کو بھی محتاط رہنے کی ہدایت۔

نوٹ: تمام متعلقہ اداروں کو اس دوران ”الرت“ دینے کی ہدایت کی جاتی ہے۔

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