

No. F.2 (E)/2023-NDMA (MW/Rainfall Spells) Government of Pakistan Prime Minister's Office National Disaster Management Authority (NDMA) Islamabad



<u>WESTERLY WEATHER SYSTEM PAKISTAN – 15 APRIL To 2 MAY 2023</u> <u>SITREP 1 – NEOC: 1200 HRS – 2 MAY 2023</u>

1. **General**. Westerly weather systems are causing rains across the country since 15 April 2023, mostly affecting Balochistan, KP and AJ&K regions with isolated impacts in Pb

and GB. In wake of the forecasts issued by PMD, NDMA issued impact-based weather and agromet advisories for proactive preparations at all tiers. (NDMA and PMD advisories and alerts are enclosed as Annex A, B & C). Rainfall pattern as compared to historical data since 1961 and comparison with past 5 years is highlighted below in figures released by PMD, (Fig I & II): -

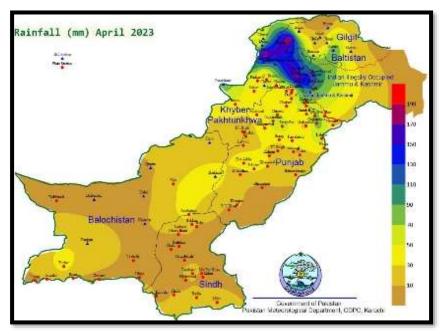
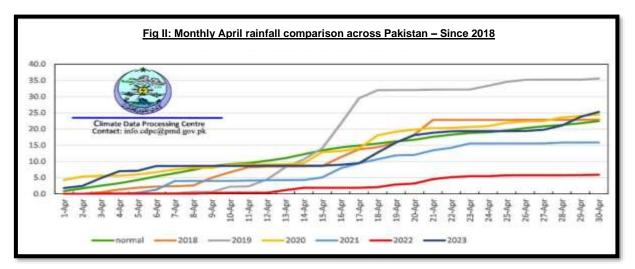


Fig I: Rainfall across Pakistan in April 2023



2. Precipitation and temperature comparisons with historical data issued by PMD are enclosed as Annex D. Intermittent rainfall with occasional gaps and heavy downpours / hailstorms in some areas induced localized hindrances in form of high flows in seasonal

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nullahs, landslides, severing of roads (mostly diversions created over damaged roads / bridges in aftermath of floods 2022 were affected) and minor damages to houses resulting in loss of lives and livestock, detailed summary of losses and damages is given in Table - I below: -

Provinces		Dea	aths			Inj	uries		Hous	e Dam	age	Livestock
	м	F	С	т	М	F	С	т	Partial	Full	т	
KP	2	0	8	10	1	1	2	4	0	1	1	36
GB	0	0	0	0	0	0	0	0	0	0	0	0
ІСТ	0	0	0	0	0	0	0	0	0	0	0	0
AJ&K	0	0	0	0	0	0	0	0	0	0	0	0
Balochistan	5	1	0	6	4	1	0	5	18	0	18	0
Punjab	4	0	0	4	0	0	0	0	0	0	0	0
Sindh	0	0	0	0	0	0	0	0	0	0	0	0
Total	11	1	8	20	5	2	2	9	18	1	19	36

Table I: Summary of losses and damages from 15 April to 2 May 2023

3. All PDMAs / SDMA / GBDMA / ICT Administration, Military Operations Directorate, GHQ, Rescue 1122, NHA/ FWO and line departments remained in coordination with NEOC, NDMA and passed on information/ updates about the situation through respective Emergency Controlled Rooms (EOCs). In light of directions from NEOC, proactive deployment of machinery was ensured by all concerned; line departments, NHA, FWO in coordination with local administrations/ DDMAs, which enforced precautionary measures through LEAs/ Levis. SITREPs issued by respective PDMAs are enclosed as Annex E, F and G, while pictorial overview of various incidents is enclosed as Annex H.

4. All major road arteries are currently open, and all blockages caused by landslides and nullah flows were restored after reduction in water levels, clearance of debris and through restoration of damaged diversions by employment of NHA/ FWO and resources of line departments. A special impact based agro-met advisory was issued by NDMA and circulated to all concerned to forewarn farmers and prevent possible damages to standing/ harvested

crops in areas where rain/ wind/ thunderstorm was forecasted. All EOCs remain connected with NEOC and are sharing regular information/ updates over the precautionary measure already undertaken and in response to any incident.

(Muhammad Ali Khan) Director (Response) Telephone No: 051-9030924 Fax No: 051-9030729

- To: Secretary to the Prime Minister, Prime Minister's Office, Islamabad Secretary, Ministry of Climate Change, Islamabad Director General, Pakistan Meteorological Department, Islamabad Chairman, National Highway Authority, Islamabad Director Generals, All PDMAs/ GBDMA/ SDMA Joint Crisis Management Cell, Joint Staff Headquarters, Rawalpindi Staff Duties Directorate, GHQ, Rawalpindi Military Operation Directorate (MO-4), GHQ, Rawalpindi Director (SOF & Marines), Naval Headquarters, Islamabad Director (Ops), Air Headquarters, Islamabad Deputy Commissioner, Islamabad
- ID: DD ICT NDMA

Annexure A

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



Dated: 13 April 2023 Time: 1300 hours

Subject: <u>Rain-Dust/Thunderstorm in Upper & Central Parts of Pakistan – 15 to 20 April</u> 2023

Pakistan Meteorological Department (PMD) has informed that a westerly wave is likely to

enter upper parts of Pakistan on 15 April 2023 and will spread in western & central parts

subsequently. Under the influence of this weather system, following is forecasted: -

- a. Rain-dust/ thunderstorm with isolated heavy falls and hailstorm from 15-20 April 2023 is expected in following regions: -
 - (1) <u>Khyber Pakhtunkhwa</u>. Chitral, Dir, Swat, Mansehra, Buner, Kohistan, Shangla, Haripur, Abbotabad, Peshawar, Charsadda, Nowshera, Swabi, Mardan and Bajaur.
 - (2) <u>**Gilgit-Baltistan**</u>. Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar.
 - (3) <u>AJ&K</u>. Neelum valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber and Mirpur.
 - (4) **<u>Punjab</u>**. Murree, Galliyat, Rawalpindi, Attock, Chakwal and Jhelum.
 - (5) Islamabad Capital Territory
- b. Rain-dust/ thunderstorm with isolated hailstorm from 17-18 April 2023 is expected in following regions: -
 - (1) <u>Khyber Pakhtunkhwa</u>. Kurrum, Waziristan, Kohat, Karak, Bannu and Dera Ismail Khan.
 - (2) <u>Balochistan</u>. Quetta, Zhob, Barkhan, Qila Saifullah, Qillah Abdullah, Chaman, Pishin, Ziarat, Sibbi, Naseerabad, Khuzdar, Kalat and Makran.
- c. Light rain-dust/ thunderstorm is also expected from **17-18 April 2023** in following regions: -
 - (1) <u>Punjab</u>. Multan, D.G. Khan, Rajanpur, Bahawalpur, Rahim Yar Khan, Sialkot, Bahawalnagar, Layyah, Bhakkar, Khushab, Mianwali, Sarghoda, Gujranwala, Gujrat, Hafizabad, Mandi Bahauddin, Sialkot, Narowal, Lahore, Sahiwal, Okara, Faisalabad, Toba Tek Singh, Jhang, Kasur, Sheikhupura and Nankana Sahib.
 - (2) <u>Sindh</u>. Sukkur, Larkana and Jacobabad.
- 2. In light of the forecast shared by PMD, following region-specific impacts are expected.

Therefore, all concerned stakeholders are to remain vigilant against possible hazards.

- a. Dust-windstorm & Hailstorm may cause damage to loose infrastructure and standing crops (particularly wheat crop). Farmers should perform their activities keeping in view the weather forecast.
- b. Landslides / Flash Floods may occur in Chitral, Dir, Swat, Kohistan, Gilgit Baltistan, Kashmir, Murree and Galliyat on 18 and 19 April 2023.

3. Apropos, all PDMAs / GBDMA / SDMA and ICT Administration, NHA, NH&MP, FWO,

Rescue 1122, line departments, Ministries and Federal agencies are required to undertake

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measures as per respective mandate. However, following is to be ensured by all concerned in

addition to measures deemed appropriate as per on ground situation/ requirements: -

- a. 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.
- b. Engage local communities at traditionally / historically dangerous / hazard-prone sites to enable round the clock monitoring and establish feedback mechanism for early warnings and alerts for at-risk population.
- c. Ensure adequate awareness for farmers regarding impacts on standing crops.
- d. Coordinate with relevant district and municipal administrations to ensure mitigation measures for flash flooding and to secure or remove billboards/ hoardings in view of thunderstorm/ high winds/ hailstorms.
- e. PDMA / DDMAs to arrange and preplace necessary inventory and other essentials at strategic locations / vulnerable/ choke points in coordination with NH&MP / NHA / FWO, local C&W, Rescue 1122 and line departments.
- f. Ensure a pro-active approach by diverting traffic, providing alternate routes, imposing move / travel restrictions, to avert any situation of road closure with stranded people.
- g. Local administrations to assess and plan deployment of additional resources and exercise control over traffic leading to and in vicinity of vulnerable / choke points / tourist spots / attractions and securing (by physical means and keeping people away) from loose infrastructure such as buildings under constructions and advertisement hoardings etc to prevent losses / damages and save precious lives.
- h. Travelers on Provincial & National Highways in at-risk / affected areas be forewarned of adverse conditions and detoured to safe waiting areas under guidance of respective PDMAs, Local Authorities, National Highway & Motorway Police, LEAs etc.
- i. Ensure availability of emergency services personnel during the forecasted period.
- j. Ensure immediate stocking of basic commodities including paramedics & medicine especially in regions that are likely to get cut-off during snowfall/ landslides.
- k. Ensure round the clock monitoring of situation through EOCs with regular feedback to PEOCs and NEOC.
- I. In case of any eventuality, twice daily / routine updates to be shared with NDMA.

4. **Press Information Department Only**. With the request to ensure wider circulation and public awareness.

5. Forwarded for information / necessary action, please.

(Muhammad Ali Khan) Director (Response) Telephone No: 051-9030924 Fax No: 051-9030729

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Distribution List

To: Chief Secretaries, Provincial Governments, GB/ AJ&K Secretary, Federal Ministries/ Departments (Communication, Interior, PTDC, NHA, NH&MP, NTDC) Commissioner Islamabad Director Generals, All PDMAs/ GBDMA/ SDMA Deputy Commissioner Islamabad Principal Information Officer, Press Information Department, Islamabad Headquarters, Frontier Works Organization (FWO), Rawalpindi Cc: Secretary to Prime Minister, PM Office, Islamabad Secretary, Cabinet Division, Islamabad Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Military Operations Directorate (MO-4), General Headquarters, Rawalpindi ACNS (Operations), Naval Headquarters, Islamabad ACAS (Operations), Air Headquarters, Islamabad GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi SO to DG MT, MT Dte General Headquarters, Rawalpindi Headquarters, Pakistan Maritime Security Agency, Karachi Headquarters, Pakistan Coast Guards, Karachi



NWFC-5(10A)/2017/36 Press release:

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

> Date: 13th April, 2023 Time: 11:30 PST

Rain-dust/thunderstorm predicted in upper/central parts from Weekend

A westerly wave is likely to enter upper parts of the country on 15th April and would spread in western & central parts subsequently. Under the influence of this weather system:

- Rain-dust/thunderstorm with isolated heavy falls and hailstorm is expected in Kashmir (Neelum valley, Muzaffarabad, . Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber, Mirpur), Gilgit-Baltistan (Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche, Shigar), Chitral, Dir, Swat, Mansehra, Buner, Kohistan, Shangla, Haripur, Abbottabad, Peshawar, Charsadda, Nowshera, Swabi, Mardan, Bajaur, Murree, Galliyat, Islamabad, Rawalpindi, Attock, Chakwal and Jhelum from 15th (evening/night) to 20th April with occasional gaps.
- Rain-dust/thunderstorm with isolated hailstorm is expected in Kurram, Waziristan, Kohat, Karak, Bannu, Dera Ismail Khan, Quetta, Zhob, Barkhan, Qila Saifullah, Qillah Abdullah, Chaman, Pishin, Ziarat, Sibbi, Naseerabad, Khuzdar, Kalat and Makran on 17th and 18th April.
- Light rain-dust/thunderstorm is also expected in Sukkur, Larkana, Jacobabad, Multan, D.G.Khan, Rajanpur, Bahawalpur, Raim yar Khan, Bahawalnagar, Layyah, Bhakkar, Khushab, Mianwali, Sargodha, Gujranwala, Gujrat, Hafizabad, Mandi Bahauddin, Sialkot, Narowal, Lahore, Sahiwal, Okara, Faisalabad, Toba Tek Singh, Jhang, Kasur, Sheikhupura and Nankana Sahib on 17th and 18th April.

Possible Impacts:

- Dust-windstorm & Hailstorm may cause damage to loose infrastructure and standing crops particularly wheat crop. Farmers should perform their activities keeping in view the weather forecast.
- Landslides / Flash Floods may occur in Chitral, Dir, Swat, Kohistan, Gilgit Baltistan, Kashmir, Murree and Galiyat on 18th and 19th April.
- Tourists are advised to remain more cautious during the forecast period.
- Note: All concerned authorities are advised to remain "ALERT" to avoid any untoward situation during the forecast period.

ویک ایٹر سے ملک کے بالائی/وسطی علاقوں میں آئد حی/ تیز ہواؤں اور کرج جک کے ساتھ بارش کی پیشگوئی

مغربی ہوائی 15 اپریل کو ملک کے بلانی طالقوں میں داخل ہوں گی۔ اس کے بعد مغربی/وسطی علاقوں تک کیتیل حاکمی گی۔ جس کے باعث:

- 15 لولى كامتام ارات مع ودوران وقف تفر علم، مظفرة باد، يونجه، بشيال، بان، حولي، مدهانوتي، كونلي، تحمير، ميريور)، قلمت بتستان (ديامير، استور، غذر، سكردو، جنزد، قلمت، تحالي، قسل)، دير، موان مانسره، یونی کوستان، شالک ، جری یورایبت آباد، میکاور مطرحده، نوشیره موان، بردان، باجوز مری، تحلیت اسلام آباد راد ایند که الک، تجاول اور جهل می آنده کا ایز دواد اور کرمن چک ک ساتھ برش ادر چر مقال بی موسلا دحديد فرادر والمريد كالمكان
- 17 الد 18 می کوکر م، در به تاب ، کوب ، کرک، بنون، نویه داسا عمل خان، کوئنه، باز محان، تلحد سویف الله، قلعه سویف الله، چنین، بزیدر به مین منصبر آباد، خضد اور قلات ، تحران شی تحق اند عمل التر دادن الله محمد اور گرین چک کر ساتى بارش ادر **جى خالت ير ژالد بارى** كى توقع -
- 11 او 18 او محر، الذكانه، جيكب آباد، متان، ذكي قنان، داجن يور، جراد ليور، حرم يارخان، برمادلتكر، ليه ، مجكر، خوشاب، موانوال، مركودها، تجراب، حافظ آباد، منذى براذالدين، سيالكوث، ماردوال، الدمور، سايتوال، الدكاذه، فيعل آباد، ٹوبہ فیک سکھ، جینگ، قصور، شیخو پور دادر نظانہ صاحب میں بھی آند حمی/ تیز ہواؤں ادر گرن جبک کے ساتھ جلکی بارش کی توقع۔

كمندا والت:

.

- اكد مي/ تيزدولال بدر الديدي سكري فسلول (بالحسوس تخدم كلود كود الموسخ بكركو فتصان كالحلرد سمان حترانت موسمياتى فيش كوتي كود فطرر يمتع دوسالسية معولات ترتيب وي
- 18 ادر 19 ای ال موسلادهار بادهول مع بر ال دور، موات، کوستان، محمد مرک ادر محبات ک مقال Distributions: MS to PM, Islamabad عرى تالول عى طقوانى اور ليتد سلا تيد تك كاعطره PS to Minister for Aviation Division
- -2452 May 196 201 20 20 4 3. Secretary Aviation Division 4. Chief Sec Punjab, KP, GB, Kashmir, Balochistan & Sindh لوى: تام حفقة ادارول كوال دوران "الرف" من كابدات كا بالى ب 5. Secretary Irrigation Punjab
- 6. Chairman NDMA
- 7. Chairman NHA
- 8. IG Motorways

1. 2.

- 9 Commissioner Rawalpindi
- 10. DG's PDMA's & SDMA's
- 11 Secretary MOCC & Water Resources.
- 12. Secretary National Food Security and Research
- 13. Chairman FFC & IRSA
- Director to Minister for MOCC 14. Directors RMC's 15.
- Electronic and Print Media 16.

Spokesperson

<u>Annexure B</u>



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



Dated: 26 April 2023 Time: 1530 hours

Subject: Rain-Dust/Thunderstorms in Country with Occasional Gaps – 26 April to 5

Reference: PMD Press Release No. NWFC-5(10-A)/2017/37 dated 26 April 2023

Pakistan Meteorological Department (PMD) has forecasted (*Annex-A*) that a westerly wave is likely to enter the country from 26 April (Wednesday) evening / night up to 5 May (Friday). Under the influence of this weather system, following is forecasted: -

- a. Rain-dust / thunderstorms from 26 April (evening / night) to 29 April (Wednesday to Saturday) expected in following regions: -
 - (1) <u>Khyber Pakhtunkhwa</u>. Peshawar, Charsadda, Nowshera, Swabi, Mardan, Bajaur, Kurram, Waziristan, Kohat and Galiyat.
 - (2) <u>**Punjab</u>**. Murree, Rawalpindi, Attock, Chakwal, Jhelum, Gujranwala, Sialkot and Lahore.</u>
 - (3) <u>**Gilgit-Baltistan</u>**. Diamer, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche and Shigar.</u>
 - (4) <u>AJ&K</u>. Neelum Valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhnoti, Kotli, Bhimber and Mirpur.
 - (5) **Islamabad Capital Territory**. Urban and Rural areas.
- b. Rain-dust / thunderstorms with isolated heavy falls and hailstorms from 27 April (evening / night) to 3 May (Thursday to Wednesday) is expected in following regions: -
 - (1) <u>Balochistan</u>. Quetta, Zhob, Barkhan, Qila Abdullah, Qila Saifullah, Chaman, Pishin, Nushki, Naseerabad, Sibbi, Khuzdar, Kalat, Lasbela, Awaran, Kharan and Makran Coast.
 - (2) **Punjab**. Multan, Dera Ghazi Khan, Bahawalnagar and Sahiwal.
 - (3) <u>Sindh</u>. Sukkur, Larkana, Jacobabad, Dadu, Shaheed Benazirabad, Hyderabad, Karachi, Thatta, Badin, Mirpurkhas, Sanghar, Khairpur, Umarkot, Tharparkar, Matiari, Tando Jam and Jamshoro.
- c. Rain-wind / thunderstorms with isolated heavy falls and hailstorms from 30 April to 5 May (Sunday to Friday) in following regions: -
 - (1) <u>Khyber Pakhtunkhwa</u>. Peshawar, Charsadda, Nowshera, Swabi, Mardan, Bajaur, Kurram, Waziristan, Kohat, Karak, Bannu, Dera Ismail Khan, Chitral, Dir, Swat, Mansehra, Buner, Kohistan, Shangla, Haripur, Abbottabad and Galiyat.
 - (2) <u>**Punjab</u>**. Murree, Rawalpindi, Attock, Chakwal, Jhelum, Khushab, Mianwali, Sargodha, Gujranwala, Gujrat, Hafizabad, Mandi Bahauddin, Sialkot, Narowal, Lahore, Faisalabad, Toba Tek Singh, Jhang, Kasur, Sheikhupura and Nankana Sahib.</u>

2. In light of the forecast shared by PMD, following region-specific impacts are expected. Therefore, all concerned stakeholders are to remain vigilant against possible hazards. Following is advised: -

a. Farmers are advised to manage their activities keeping in view of the forecast as strong winds / hailstorms pose particular risk to crops (especially wheat).

- b. Cattle / sheep herders are advised to manage their livestock appropriately in view of the forecasted weather system.
- c. Strong winds and hailstorms may cause damage to loose infrastructure.
- d. Heavy rains may cause flash floods in Mansehra, Abbottabad, Chitral, Dir, Swat, Kohistan, Gilgit Baltistan and State of AJ&K from 1-4 May (Monday to Thursday).
- e. Parts of Balochistan and Hill Torrents of Dera Ghazi Khan and Rajanpur may remain active from 28 April to 2 May (Friday to Tuesday).
- f. Landslides may occur in hilly / mountainous areas of Balochistan, Khyber Pakhtunkhwa, Gilgit Baltistan, Murree, Galiyat and State of AJ&K during the forecasted period.
- g. Daytime temperatures are likely to drop significantly during the forecasted wet spells.
- h. Tourists and travelers are advised to remain more cautious during the forecasted period.

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

- a. 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.
- b. Engage local communities at traditionally / historically dangerous / hazard-prone sites to enable round the clock monitoring and establish feedback mechanism for early warnings and alerts for at-risk population.
- c. <u>Farmers / Livestock</u>. Ensure adequate awareness for farmers and cattle / sheep herders regarding adverse impacts on standing crops & livestock.
 - (1) Farmers to be advised to take all necessary mitigative and precautionary measures to safeguard their crops, i.e. timely harvesting, safe storage or any other any other precaution from adverse effects of thunderstorms / hailstorms.
 - (2) Cattle / sheep herders to be advised to undertake necessary mitigative and precautionary measures to protect their livestock, i.e. safe sheltering or any other precaution from adverse effects of thunderstorms / hailstorms.
- d. Coordinate with relevant district and municipal administrations to ensure mitigation & preparedness measures for flash flooding / hill torrents / landslides and to secure or remove billboards/ hoardings in view of thunderstorms / high winds / hailstorms.
- e. PDMA / DDMAs to arrange and preplace necessary inventory and other essentials at strategic locations / vulnerable/ choke points in coordination with NH&MP / NHA / FWO, local C&W, Rescue 1122 and line departments.
- f. In light of possible high flows in seasonal nullahs, LEAs are to ensure regulation of level crossing points and diversion of traffic in coordination with local administration.
- g. Ensure a pro-active approach by diverting traffic, providing alternate routes, imposing movement / travel restrictions, to avert any situation of road closure with stranded travelers in light of forecasted weather.
- h. Local administrations to assess and plan deployment of additional resources and exercise control over traffic leading to and in vicinity of vulnerable / choke points / tourist spots / attractions and securing (by physical means and keeping people away) from loose infrastructure such as buildings under constructions and advertisement hoardings etc to prevent losses / damages and save precious lives.

- i. Travelers on Provincial & National Highways in at-risk / affected areas be forewarned of adverse conditions and detoured to safe waiting areas under guidance of respective PDMAs, Local Authorities, National Highway & Motorway Police, LEAs etc.
- j. Ensure availability of emergency services personnel during the forecasted period.
- k. Ensure immediate stocking of basic commodities including paramedics & medicine especially in regions that are likely to get cut-off during snowfall/ landslides.
- I. Ensure round the clock monitoring of situation through EOCs with regular feedback to PEOCs and NEOC.
- m. In case of any eventuality, twice daily / routine updates to be shared with NDMA.

4. **Press Information Department Only**. With the request to ensure wider circulation and public awareness.

5. Forwarded for information / necessary action, please.

(Muhammad Ali Khan) Director (Response) Telephone No: 051-9030924 Fax No: 051-9030729

(DISTRIBUTION LIST BELOW)

Distribution List

To: Chief Secretary, Government of Balochistan, Quetta Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar Chief Secretary, Government of Punjab, Lahore Chief Secretary, Government of Sindh, Karachi Chief Secretary, Government of Gilgit Baltistan, Gilgit Chief Secretary, State of AJ&K, Muzaffarabad Secretary, Ministry of Interior, Islamabad Secretary, Ministry of Communications, Islamabad 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** Director General, PDMA Balochistan, Quetta Director General, PDMA Khyber Pakhtunkhwa, Peshawar Director General, PDMA Punjab, Lahore Director General, PDMA Sindh, Karachi Director General, GBDMA, Gilgit Director General, SDMA, Muzaffarabad **Deputy Commissioner Islamabad** Headquarters, Frontier Works Organization (FWO), Rawalpindi Secretary to Prime Minister, Prime Minister's Office, Islamabad Cc: Secretary, Cabinet Division, Islamabad Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt Military Operations Directorate (MO-4), General Headquarters, Rawalpindi Cantt ACNS (Operations), Naval Headquarters, Islamabad ACAS (Operations), Air Headquarters, Islamabad GSO-1, Inter Services Public Relations, General Headquarters, Rawalpindi Cantt Headquarters, Pakistan Maritime Security Agency, Karachi Headquarters, Pakistan Coast Guards, Karachi



NWFC-5(10A)/2017/37 Press release: Government of Pakistan Ministry of Aviation (Aviation Division) Pakistan Meteorological Department Sector: H-8/2, Islamabad.

> Date: 26th April, 2023 Time: 11:00 PST

Rain-wind/thunderstorm is expected in the country in coming days with occasional gaps

Met Office informed that a westerly wave is likely to enter in the country from 26th April (Evening/night) and likely to spread in central and southern parts of the country and may persist till first week of May.

Under the influence of this weather system:

- Rain-wind/thunderstorm is expected in Kashmir (Neelum valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber, Mirpur), Gilgit-Baltistan (Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche, Shigar), Peshawar, Charsadda, Nowshera, Swabi, Mardan, Bajaur, Kurram, Waziristan, Kohat, Islamabad, Murree, Galliyat, Rawalpindi, Attock, Chakwal, Jhelum, Gujranwala, Sialkot and Lahore from <u>26th April (Evening/night) to 29th April.</u>
- Rain-dust/thunderstorm with isolated heavy fall and hailstorm is expected in Balochistan (Quetta, Zhob, Barkhan, Qila Saifullah, Qillah Abdullah, Chamman, Pishin, Noshki, Naseerabad, Sibbi, Khuzdar, Kalat, Lasbella, Awaran, Kharan, Makran coast), south Punjab (Multan, D.G. Khan, Bahawalnagar and Sahiwal), Sindh (Sukkur, Larkana, Jacobabad, Dadu, Shaheed Benazirabad, Hyderabad, Karachi, Thatta, Badin, Mirpurkhas, Sanghar, Khairpur, Umarkot, Tharparkar, Mitiyari, Tandojam and Jamshoro from 27th April (evening/night) to 03rd May.
- More rain- wind/thunderstorm with isolated heavy fall and hailstorm is expected in Kashmir (Neelum valley, Muzaffarabad, Poonch, Hattian, Bagh, Haveli, Sudhanoti, Kotli, Bhimber, Mirpur), Gilgit-Baltistan (Diamir, Astore, Ghizer, Skardu, Hunza, Gilgit, Ghanche, Shigar), Peshawar, Charsadda, Nowshera, Swabi, Mardan, Bajaur, Kurram, Waziristan, Kohat, Karak, Bannu, Dera Ismail Khan, Chitral, Dir, Swat, Mansehra, Buner, Kohistan, Shangla, Haripur, Abbottabad, Islamabad, Murree, Galliyat, Rawalpindi, Attock, Chakwal, Jhelum, Khushab, Mianwali, Sargodha, Gujranwala, Gujrat, Hafizabad, Mandi Bahauddin, Sialkot, Narowal, Lahore, Faisalabad, Toba Tek Singh, Jhang, Kasur, Sheikhupura and Nankana Sahib from <u>30th April to 05th May</u>.

Possible Impacts:

- Strong wind & Hailstorm may cause damage to lose infrastructure and standing crops (particularly wheat crop) in the country. Farmers are advised to manage their activities keeping in view the weather forecast.
- Heavy rains may cause Flash Floods in Mansehra, Abbottabad, Chitral, Dir, Swat, Kohistan, Gilgit-Baltistan and Kashmir from 01st to 04th May and in parts of Balochistan and hill torrents of D.G khan from 28th April to 02nd May.
- Landslides may occur in hilly areas of Khyber Pakhtunkhwa, Gilgit-Baltistan, Kashmir, Murree and Galliyat during the
- forecast period.
- Day temperatures are likely to drop significantly during wet spell.

Tourists are advised to remain more cautious during the forecast period.
 Note: All concerned authorities are advised to remain "ALERT" to avoid any untoward situation during the forecast period.

All concerned authorities are advised to remain "ALERI" to avoid any untoward situation during the forecast period.

الكر مو مميات ، مطابق 26 يدفر (شم اراك) - مغرفي او أي طب شروا طل او أكد او ملك ك و من الديني حول شرو يسلي ك ماتو محك ك يط شات و قرور و تحت ب وجرا كم العد :

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 - . کمدارمد:

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- Distributions:
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- PS to Minister for Aviation Division
 Secretary Aviation Division
- Secretary Aviation Division
 Chief Sec Puniab, KP, GB, Kashmir, Balochista
- Chief See Punjab, KP, GB, Kashmir, Balochistan & Sindh
 Secretary Irrigation Punjab
- G. Chairman NDMA
- 7. Chairman NHA
- 8. IG Motorways
- 9. Commissioner Rawalpindi
- 10. DG's PDMA's & SDMA's
- Secretary MOCC & Water Resources.
- 12. Secretary National Food Security and Research 13. Chairman FEC & IRSA
- 13. Chairman FFC & IRSA
- Director to Minister for MOCC
 Directors RMC's
- Directors RMC s
 Electronic and Print Media.

Annexure C



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



Dated: 28 April 2023

Subject: Agrometeorological Advisory – Impact of Rain-Dust-Wind/ Thunderstorms till 5 May 2023

Reference: NDMA Advisory No. F.2 (E)/2023-NDMA (MW/Weather Advisory) – X and PMD Press Release No. NWFC-5(10-A)/2017/37 dated 26 April 2023

In continuation of NDMA Weather Advisory issued on 26 April 2023, subject advisory is being issued to highlight possible impacts of rains-dust-wind/ thunderstorms with isolated heavy falls and chance of hailstorms till **5 May 2023 and identify mitigation measures to prevent/ safeguard against losses/ damages**. Forecast/ model-based depiction of rainfall and dust-wind/ thunderstorms in upcoming days is highlighted in images from PMD for reference of all concerned. Website links for PMD and National Agro-met Centre (NMAC) are also provided below to directly access farmer's advisories/ updates in textual, audio and video formats in both Urdu and English: -

PMD's Forecasted Rainfall (3 days) 28 to 30 April 2023

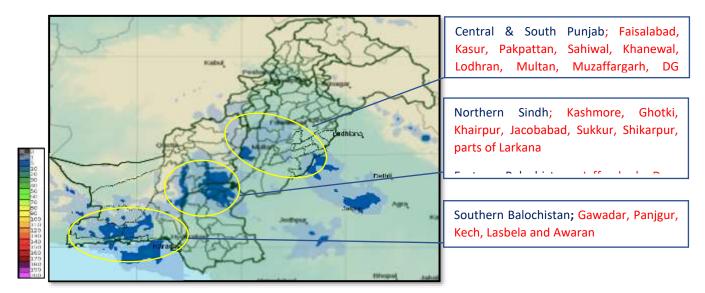


Figure 1: PMD's Precipitation Forecast 3 x Days (28 – 30 April 2023)

NOTE: Forecast is updated daily, therefore all concerned are advised to follow the web-portal of PMD to remain abreast with likely weather patterns

2. <u>Likely Agricultural / Livestock Impacts</u>. In light of the forecasted weather system, following impacts are expected: -

- a. <u>Standing and Harvested Crop</u>. High winds, heavy rains and hailstorms may cause damage to standing wheat crops and recently harvested crops which is still in open.
- b. <u>New Harvesting</u>. With likely heavy rainfalls, high winds and hailstorms new sowing is likely to be adversely affected.

- c. <u>Fruit Orchard Areas</u>. High winds and hailstorms may cause damage to recently flowering / budding mango orchards.
- d. <u>Vegetable Crop Areas</u>. Heavy rains / hailstorms may cause damage to vegetable plants / flowering-fruits.
- e. <u>Water Requirements</u>. Considering forecasted precipitation, farmers may rationalize water usage for irrigation purposes.
- f. <u>Livestock</u>. Open grazing will increase risk to livestock, especially sheep/ goats, during periods of high winds/ thunderstorms or hailstorms.

3. <u>Mitigation Measures</u>. Apropos, following measures may be considered in addition to any mitigation measures already being undertaken or planned by local administrations/ farmers/ PDMAs/ SDMA/ GBDMA, respective irrigation departments and MoNFS&R to prevent damage/ losses to at-risk crops especially wheat, cotton, gram, sugarcane and mango: -

- a. <u>Wheat</u>
 - (1) Harvest according to the weather conditions.
 - (2) In view of the risk of rain, pack the bales in small size/ slightly shorter after harvesting and keep the stalks facing upwards.
 - (3) In such areas where there is no chance of rain, complete wheat harvesting and threshing as soon as possible.
 - (4) Choose a field that is free of weeds to keep the next crop.
- b. <u>Cotton</u>. Stop sowing cotton in case of rain and wait for clear weather. Follow local advisories/ guidelines being issued from respective irrigation departments.
- c. <u>Sugarcane</u>. Complete harvest of sugarcane as soon as possible, since rising temperatures may affect crop growth. Region specific guidelines must be followed to ensure efficient process.
- d. <u>Mango</u>.
 - (1) The process of fruit formation on mango plants is in the final stages and the temperature is gradually increasing, so regular water supply be ensured.
 - (2) Ensure adaptation of mitigation measures to protect fruit during this stage.
- e. Farmers are advised to take all necessary mitigative and precautionary measures to safeguard their crops / harvest through timely harvesting and ensuring safe storage.
- f. Livestock especially (sheep/ goat) herders be advised to undertake necessary mitigative/ precautionary measures: -
 - (1) Safe sheltering of livestock during adverse weather conditions.
 - (2) Provision of adequate water and fodder for sheltered livestock.
- g. Ensure circulation of PMD's Agro-met advisory to all concerned, in local / regional languages.



Farmer's Weather Forecast (PMD).

Accessible at: www.youtube.com/watch?v=d1jOvnaVVxw&feature=youtu.be&ab_channel=PMDweatherTV Visit PMD: www.pmd.gov.pk Visit NAMC: www.namc.pmd.gov.pk/

4. <u>Ministry of National Food Security & Research</u>. With the request to issue necessary advisory / warning for all relevant stakeholders with region/ area specific measures.

5. **<u>Press Information Department Only</u>**. With the request to ensure wider circulation and public awareness.

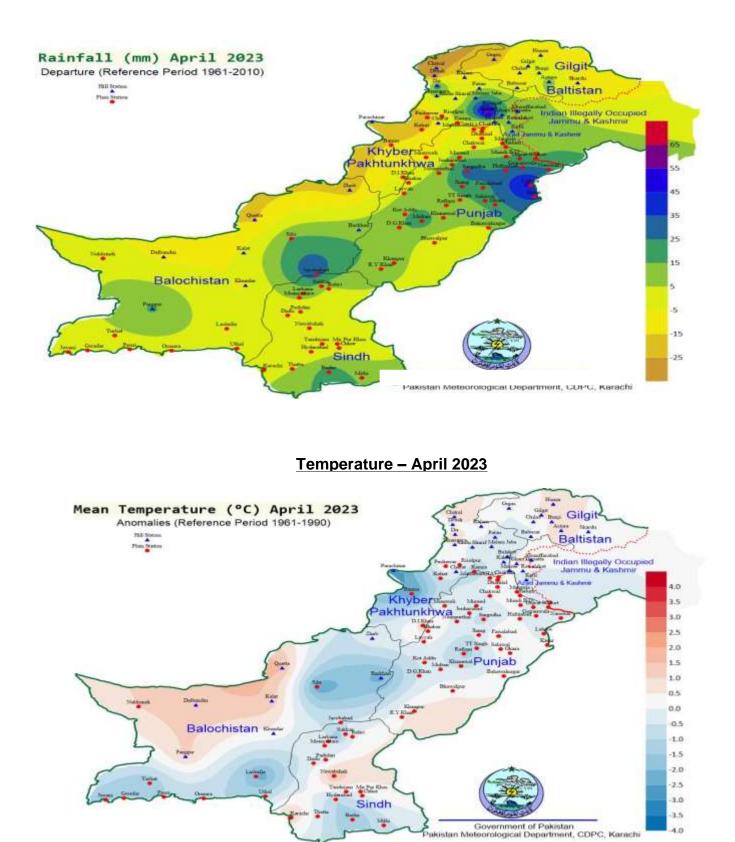
6. Forwarded for information / necessary action, please.

Muhammad Ali Khan) Director (Response) Telephone No: 051-9030924 Fax No: 051-9030729

- To: Chief Secretary, Government of Balochistan, Quetta Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar Chief Secretary, Government of Punjab, Lahore Chief Secretary, Government of Sindh, Karachi Chief Secretary, Government of Gilgit Baltistan, Gilgit Chief Secretary, State of AJ&K, Muzaffarabad Secretary, Ministry of Interior, Islamabad Secretary, Ministry of National Food Security & Research, Islamabad Principal Information Officer, Press Information Department, Islamabad Agriculture Extension Departments, All Provinces, GB & State of AJK Commissioner Islamabad Director General, PDMA Balochistan, Quetta Director General, PDMA Khyber Pakhtunkhwa, Peshawar Director General, PDMA Punjab, Lahore Director General, PDMA Sindh, Karachi Director General, GBDMA, Gilgit Director General, SDMA, Muzaffarabad **Deputy Commissioner Islamabad**
- Cc: Secretary to Prime Minister, Prime Minister's Office, Islamabad Secretary, Cabinet Division, Islamabad Joint Crises Management Cell, Joint Staff Headquarters, Chaklala Cantt Military Operations Dte (MO-4), General Headquarters, Rawalpindi Cantt

Annex D

Rainfall in millimeters (mm) Reference Period from 1961-2010



Page **17** of **24**

Annexure E

PDMA PROVINCIAL DISASTER MANAGEMENT AUTHORITY Provincial Emergency Operation Center Plot 46 A, Sector B-2, Phase V, Hayatabad,Peshawar Phone: (091) 9219635, 9219636, Fax: (091) 9219637 www.pdma.gov.pk

PDMA/PEOC/B-RPT/2023/May-3-23

Dated: 03-05-2023

Khyber Pakhtunkhwa Brief Report (15th April to Till Date)

				IN	FRA	/ HU	MAN	INCI	DEN	TS										
DISTRICT	NATURE OF INCIDENT	CAUSE OF INCIDENT		HU	MANI	LOSS	SES/IN	JURI	ES		CATTLE PERISHED		IN	FRA	STRI	JCTUR	E DA	мас	ES	
				DEA	тн			INJU	RED			1	HOUSE	S	S	CHOOL	LS	0	THEF	ts
			Male	Female	Child	Total	Male	Female	Child	Total		Fully	Partially	Total	Fully	Partially	Total	Fully	Partially	Total
Lakki Marwat	Heavy Rain	Flash Flood/Wall Collapse	1	0	2	3	1	0	1	2	0	0	1	I	0	0	0	0	0	0
Upper Dir	Heavy Rain	House Collapse	0	0	1	1	0	1	1	2	0	2	1	3	0	0	0	0	0	0
Orakzai	Heavy Rain	Flood/Roof Collapse	0	0	3	3	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Mohmand	Heavy Rain	Flood/House Collapse	0	0	2	2	0	0	0	0	36	1	3	4	0	0	0	0	0	0
Shangla	Thunder Lightning	Thunder Strike	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swat	Heavy Rain	House Collapse/Other Damages	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	1
Lower Dir	Heavy Rain	Flash Flood/Land Sliding	0	0	0	0	0	0	0	0	0	0	0	0	0	I	1	0	0	0
South Waziristan	Heavy Rain	Boundary Wall Collapse	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Total(s)			2	0	8	10	1	1	2	4	36	4	7	11	0	1	1	1	0	1

* Above Report order is as per damages of human losses per district.

	INCIDENT	S DETAIL	
DISTRICT	DETAIL OF INCIDENT	RESPONSE	SOURCE
	On 01-05-2023, due to heavy rain, flash flood occurred in Zangi Khel. Resultantly, Anwar Raza s/o Muhammad Hussain (20 Years) got died and Muhammad Nazeer s/o Muhammad Yar (65 Years) got injured.		ADC (R&HR) Office Lakki Marwa
Lakki Marwat	On 01-05-2023, due to heavy rain, a basement wall collapsed in Dalu Khel. Resultantly, Muhammad Ibrar Khan s/o Sadiq Khan (09 Years) got died and Muhammad Azam s/o Hayat Ullah (12 Years) got injured.		ADC (R&HR) Office Lakki Marwa
	On 01-05-2023, due to heavy rain, flash flood occurred in Abdul Khel. Resultantly, Abdul Qadeer Khan s/o Ghulam Sadiq (12 Years) got died.		ADC (R&HR) Office Lakki Marwa
Lower Dir	On 01-05-2023, as per initial report, due to heavy rainfall, lightening/thundering the local streams were flooded, resultantly some houses damaged partially, while some animals perished. Infrastructure has also been damaged to some extent. However, no human casualties or injuries reported.	Damages assessment is underway by District Administration.	Deputy commissioner office Dir Lower.
	On 01-05-2023, due heavy rain, land sliding occurred at Yar Khan Banda. Resultantly, GPS Amlook badly damaged.		Reporting Officer Malakand Divisio
Mohmand	On 02-05-2023, Due to heavy rain the following damages were reported in upper Mohmand. 1. Manawar Khan s/o Said Muhammad (01 room and verabda) 2. Shahi Gula w/o Mian jan (01 room) 3. Javid s/o Said Ahmad (02 rooms) 4. Tillah Muhammad s/o Sharif Khan (07-20 meter boundary wall) 5. Mian Gul Jan s/o Daulat Khan (25 cattle perished) 6. Hassan s/o Samandar (10 cattle perished) 7. Abdul Sattar s/o Habib Khan (01 cattle perished).		Additional Deputy Commissioner (R&HR) Mohmand Tribal District
	On 26-04-2023, due to rain two children were swept away in the flood at Tehsil Ambar. The particulars of the deceased are as follow: 1. Tayab s/o Haji Rehman (age 08 years). 2. Nazmia d/o Abdul Qadir (age 09 years).	The bodies were recovered from the water and moved to their houses.	ADC (R&HR) Office Mohmand
	On 19-04-2023, due to heavy rainfall a roof of the house of Muslim Khan r/o village Toi Mishti Kasha, tribe Mishti Lower orakzai has been collapsed. As a result his son namely Umar Saced (04 years) has been died.		Deputy Commissioner Office Orakz
Orakzai	On 20-04-2023, at about 02:00 PM, the following two children were missing from their home at village Kanganai, Tribe Shiekhan Lower Orakza during heavy rainfall and have been inundated by flood. 1. Nimra Bibi d/o Abid Ullah (07 years) 2. Salma Bibi d/o Muhammad Ullah (06 years)	The dead body of Salma bibi has been recovered from River (Mastoora River) near Mir Mela area and has been shifted to DHQ Hospital Mishti Mela for post- marhum.	Deputy Commissioner Office Orakz
Shangla	On 01-05-2023, due to thunder lightning Wazir Ahmad s/o Sawal Faqir (23 Years) got died in Mouza Lahore, Halqa Besham.		Reporting Officer Malakand Divisio
outh Waziristan	On 02-05-2023, The boundary wall of Mr. Malik Zarbat Khan r/o Shinka sultan khel Tehsil sararogha has been collapsed due to heavy rain.		DDMO South Waziristan Trible District.

Swa	On 19-04-2023 at 12:50 am, a house owned by Zor Muhammad s/o Hazrat Umar n/o Saland Shawar collapsed due to heavy rainfall.		Deputy Commissioner Office Swat
344	On 19-04-2023, due to heavy rain fall a bridge namely Garri Charai which was under construction, washed away.		Deputy Commissioner Office Swat
	On 18-04-2023, under construction house of Mr. Aqal Nawab collapsed due to recent spell of rain at Doag Dara, however, no casualty occurred.		Deputy Commissioner Office Upper Dir
Upper	On 18-04-2023, the house of Toor s/o Gull got damaged due to current spell of heavy rain at village Kotto UC Norkhail and resultantly a child namely Wasim s/o Rahim Dad died on the spot while two persons namely Rahim Ullah s/o Gull (16 Years) & Feroza w/o Toor got injured.	deceased namely wasim s/o Rahim Dad has been	Deputy Commissioner Office Upper Dir
	On 18-04-2023, house of Zahid s/o Ajmal r/o Darura, Larjam collapsed due to heavy rain.	NFIs were provided to the affected family	Deputy Commissioner Office Upper Dir

Endst: of Even No. & Date:

Copy forwarded for information to the:

- 1. Minister for Information Department, Govt. of Khyber Pakhtunkhwa
- 2. Principal Secretary to Chief Minister, Govt. of Khyber Pakhtunkhwa
- 3. Secretary, Information Department, Govt. of Khyber Pakhtunkhwa
- 4. All Divisional Commissioners in Khyber Pakhtunkhwa
- 5. Coordinator PMRU, Chief Secretary Office, Khyber Pakhtunkhwa
- 6. The Colonel GS, 11 Corps
- 7. HQ 10 Corp, IS Control
- 8. Director Response, NDMA Islamabad
- 9. PSO to Chief Minister's, Khyber Pakhtunkhwa
- 10. PSO to Chief Secretary, Khyber Pakhtunkhwa
- 11. Chairman Federal Flood Commission, Ministry of Water Resources, Islamabad
- 12. Operation Room CPO, Peshawar
- 13. Incharge Tourism Information Center, Tourism Department, Khyber Pakhtunkhwa
- 14. PS to Senior Member Board of Revenue, Govt. of Khyber Pakhtunkhwa
- 15. PS to Secretary Irrigation Department, Govt. of Khyber Pakhtunkhwa
- 16. PS to Secretary C&W Department, Govt. of Khyber Pakhtunkhwa
- 17. PS to Secretary LG&R Department, Govt. of Khyber Pakhtunkhwa
- 18. PS to Secretary RR&S Department, Khyber Pakhtunkhwa 19. PS to Director General PDMA, Khyber Pakhtunkhwa
- 20. PA to Director Relief PDMA, Khyber Pakhtunkhwa
- 21. PA to Director Complex Emergency Wing PDMA, Khyber Pakhtunkhwa

Incharge PEOC, PDMA

Annex F

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28 April	Bathanalput	Lighteng stille			÷	2							ж	æ	Leasthorn Rest Relat, Terhol Khaingar Tameweek, Oristical Research OdijShoffand J Minne Rame (B2) Dearth 02 Rate 02 Rate 02 Rate 03 Children 00 Children 00 Grief: Instace Control Room Referended received a cell in which the cafer unit that Reptring Res fallow on it prospective Control Room Referended in the wheat field, you should seed pour service. Control Room Behaveabar has dispatched three emblaches and own Rev which from Rheimpur to the spot. Restores and own Rev which from Rheimpur to the spot.
3-fotay (Rahewdingar	Lightning structs	3		8	2		×							Incident Place Theil Ret quantum and Bahawahagar Iniel Rescue 1122 Control received a call that there is an emergency related to two people struck by lightning, rescue taxes about and their anthulanes. Victims : 02 Dead Atelai rauf (VD Shalam Ferred Age 28 yrs receiving allot quients read Schewahagar lighty (Dead) M. Shehol IVD warns bake age : 18 yrs hjury (Dead) M. Shehol IVD warns bake age : 18 yrs hjury (Dead

Annex G



Provincial Disaster Management Authority (PDMA) PEOC, Balochistan Quetta.



No. PDMA/ PEOC /121/2023

Dated Quetta Tuesday, 02nd May 2023

Winter Weather Daily Situation Report

	Last/P	evailed during ast- 24hrs		Weather Fore Next/upcoming	
:	Kalat, Khuzdar, Nokku Mastung, Loralai, Ziara Maximum Temper Nokkundi : 38.5	ara, Turbat, Lasbella, Zhob, Quet Indi Dalbandin, Muslim Bagh, at. rature Recorded District . ature Recorded District	Maini Rain-v places Bolan expec saifull Heavy strear lying a Note:	- All concerned authorities	d in most part of the provir rm are expected at some Ziarat, Zhob, Harnai, lings While Heavy rainfall is Musakhel, Loralai, Qila a, and its adjoining areas. oding in nullahs/rivers and s with its surroundings low are requested to remain a
	Weathe	er Forecast	ouring	the period and take precau Weather Chart	toonary measures.
	Next / Upcoming			Districts of Balo	chistan
•	expected at some pla Bolan, Jhal Magsi, Kh Musakhel , Barkhan, heavy rainfall is expe Loralai Musakhel and in these areas with it Note: - All concerned	olated rain wind thunderstorms is ices in Harnai, Qila saifullah, Quet uzdar Lasbella, Sibbi ,Sherani ,Zho Kohlu and its surroundings .Mode cted in hill torrents of district Khu: I Sherani which may generate flas s surroundings low lying areas. authorities are requested to remu d take precautionary measures.	tta, b, rate to zdar, h flood		
3		-74,825 0.22% = 132,810 6.17% Received Calls = Case Registered		Calls of Last 24	15
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Hub Mirar Shad Sabk Sawa Akar	13526 0.63% 1964470 •R20%r Calls Dropped Calls Dropped Calls DAM/RIVER Dam. ni. H Kaur Dam. Zai Dam. r Dam. a Dam.	Arrived Calls = Case Registered Cut Bound Calls = Case Registered Dut Bound Calls = Case Registered District = Lasbella Hub. Turbat. Cawadar. Zhob. Gawadar. Gawadar.	EL OF DAMS/RIVERS	55 cived calls • Dropped Call AYB LEVEL 350ft. 244ft 54M 94ft.	* Out Bound Calls * Out Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft
Hub Mirar Shad Sabk Sawa Akan Nari	13526 0.63% 1964470 Pratition Calls Dropped Calls Dam. ni. B Kaur Dam. zaí Dam. r Dam. a Dam. River.	Arctived Calls Case Registered Dut Bound Calls Case Registered District Lasbella Hub. Turbat. Gawadar. Zhob. Gawadar.	EL OF DAMS/RIVERS	55 cived calls • Dropped Call AYB LEVEL 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec.	* Out Bound Calls * Out Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft 36000 cusec.
Hub Mirar Shad Sabk Sawa Akar Nari I Lehri	13526 0.63% 1964470 Ph20%n Calls Dropped Calls Dam. ni. B Kaur Dam. zaí Dam. r Dam. a Dam. r Dam. a Dam. River.	Actived Calls Case Registered Distract Case Registered Distract Lasbella Hub. Turbat. Cawadar. Cawadar. Gawadar. Sibi. Sibi.	EL OF DAMS/RIVERS	55 cived calls • Dropped Call AYB LEVEL 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec. 00 cusec.	* 0ut Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft 36000 cusec. 6112 cusec.
Hub Mirar Shad Sabk Sawa Akar Nari I Lehri	13526 0.63% 1964470 Pratition Calls Dropped Calls Dam. ni. B Kaur Dam. zaí Dam. r Dam. a Dam. River.	Arrived Calls Plant Formula (Calls) Case Registered Distract Lasbella Hub. Turbat. Cawadar. Cawadar. Gawadar. Gawadar. Sibi. Sibi.	EL OF DAMS/RIVERS	55 cived calls • Dropped Call AYB LEVEL 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec.	* Out Bound Calls * Out Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft 36000 cusec.
Hub Mirar Shad Sabk Sawa Akara Nari I Lehri Thali	13526 0.63% 1964470 Ph20%n Calls Dropped Calls Dropped Calls Cam. ni. H Kaur Dam. zai Dam. ri Dam. a Dam. River. I River. River.	Arrived Calls Turbat. Gawadar. Zhob. Gawadar. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi.	EL OF DAM5/RIVERS EL OF DAM5/RIVERS 2050 2050 2050 1700 VEL OF CANALS GUAGE	55 cived calls • Dropped Call 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec. 00 cusec. 00 cusec.	15 170 17
Hub Mirar Shad Sabk Sawa Akara Nari I Lehri Thali	13526 0.63% 1964470 Ph20%n Calls Dropped Calls Dropped Calls Dam. ni. I Kaur Dam. zai Dam. zai Dam. zai Dam. River. I River. River.	Arctived Calls Case Registered Dut Bound Calls Case Registered District Lasbella Hub. Turbat. Gawadar. Zhob. Gawadar. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi.	EL OF DAMS/RIVERS EL OF DAMS/RIVERS 2050 2050 8700 1700 VEL OF CANALS	55 cived calls • Dropped Call 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec. 00 cusec. 00 cusec.	15 170 170 5 • Out Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft 36000 cusec. 6112 cusec. 500 cusec. SHORTFALL 1603 cusec
Hub Mirai Shad Sabk Sawa Akara Nari I Lehri Thali Pat F	13526 0.63% 1964470 Ph20%n Calls Dropped Calls Dropped Calls Cam. ni. H Kaur Dam. zai Dam. ri Dam. a Dam. River. I River. River.	Arrived Calls Turbat. Gawadar. Zhob. Gawadar. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi.	EL OF DAM5/RIVERS EL OF DAM5/RIVERS 2050 2050 2050 1700 VEL OF CANALS GUAGE	55 cived calls • Dropped Call 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec. 00 cusec. 00 cusec.	15 170 17
Hub Mirar Shad Sabk Sawa Akari Lehri Thali Pat F Khirt	13526 0.63% 1964470 Phä0%n Calls Dropped Calls Dropped Calls Dam. ni. H Kaur Dam. zai Dam. ri Dam. a Dam. River. River. River. River. River.	Arctived Calls Case Registered Dut Bound Calls Case Registered District Lasbella Hub. Turbat. Gawadar. Zhob. Gawadar. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi. Sibi.	EL OF DAM5/RIVERS EL OF DAM5/RIVERS SPILW 2050 2050 8700 1700 VEL OF CANALS GUAGE 9.8 ft.	55 cived calls • Dropped Call AYS LEVEL 350ft. 244ft 54M 94ft. 35ft. 80ft. 00 cusec. 00 cusec. 00 cusec. 00 cusec. 00 cusec. 00 cusec.	15 170 170 5 • Out Bound Calls CURRENT LEVEL 338.05ft. 241 ft. 51.34M 41.06ft. 25.04ft. 37.02ft 36000 cusec. 6112 cusec. 500 cusec. SHORTFALL 1603 cusec



Provincial Disaster Management Authority (PDMA) PEOC, Balochistan Quetta.



Today Winter Weather Report

Stations	Max Temperature	RH%	Min Temperature	RH%	Rainfall (mm)
	02/05/2023		02/05/2023	/	
41685 Barkhan	27.5	\$7	16.0	73	0.0
41712 Dalbandin	34.0	21	19.5	45	1.0
41757 Gawadar	34.5	57	23.0	80	0.0
41756 Jiwani	32.0	60	21.0	69	0.0
41696 Kalat	24.0	33	08.0	58	3.0
41744 Khuzdar	29.5	09	16.5	30	1.0
41742 Lasbella	34.5	39	14.0	75	21.0
41710 Nokkundi	38.5	08	21.0	47	TRACE
41739 Panjgur	32.5	22	15.0	44	0.0
41759 Pasni	34.0	72	25.5	76	0.0
41661 Quetta SM	27.0	29	12.6	72	2.0
41660 Smungali	27.0	20	12.5	67	1.0
41697 Sibbi	36.0	42	24.0	60	0.0
41738 Turbat	37.5	38	22.5	72	11.0
41760 Ormara	31.0	65	21.0	79	19.0
41620 Zhob	24.0	61	12.0	85	9.0
GC Quetta (Brewery)	26.0	28	11.5	61	1.0
Quetta (Sariab)	26.5	20	9.5	60	2.6
Uthal	34.0	28	21.0	54	0.0
Usta Muhammad	36.0	43	19.0	66	0.0

AUTOMATIC WEATHER STATIONS IN BALOCHISTAN

Quetta	DNR	DNR	DNR	DNR	DNR
Chaman	28.7	21	18.5	47	0.0
Dalbandin	36.9	25	18.1	-4-4	0.0
Kharan	37.7	111	23.9	71	0.0
Loralai	25.0	67	15.4	72	0.0
Mastung	2.5,8	34	11.1	72.0	3.0
Muslim Bagh	25.8	39	10.9	87	7.5
Pishin	28.5	34	14.9	76	0.0
Ziarat	17.2	65	05.6	76	3.0

Winter Rain Flood Losses / Damages Reported (7th November to Till Date)

	CAS	UALTI	ES	Reason Of	INJL	IRED		and the second se	USE	Livestoc	Agricult	ure Losses ()	n acres)	Road	s (in KMs)
				Deaths				DAM	AGES	k losses	Wheat	Orchare d	Other	Rds	HWs	Bridge
	M	F	c	1	м	F	c	Complete	Partially			1	0.00	- EC		-
KHUZDAR	04	02	03	Lighting Strike/Roof fall	03		- 90	03	8			- 22	1.000	÷.,	(e)	
Kech	01		01	Flowed in Flood water	35	0	-20	1.1	10			3	100	1	1	1.5
Mastung	01	13 13		Rain/Slippy Road	16			S	-		-	-			Sec. 40.00	
Nushki	-	8	36	Flowed in Flood water/ Slippery Road	4+ 3	-		2	8			33		-	+	-
Chaman	*		3	Rain/Slippery road/Earthquak e	07	1	2	*			~	~		**		
K.Saifullah	02	03	1	Due To Slippery Road		-	- 23		1	. e :	~	8	2.40	1		
Zhob	02			Due to Flash Flood.	24		01	01		10		- 2	0.00	10	. + .	
Awaran	02	03	02	Due to Washed away by Flood	33		~	8	2		30	2	05	12	.*.	
Harnai	-	01		Due To Roof Collapse	1		01	02	12		- 8	ं	19	. :		
Kachi				14	1.4	+	- F	1.4	1.54	05	20	÷	1.4.1		02	01
Ziarat	+				÷	-		2	1.1.4		-	25		-		-
Quetta							÷	1.2	- C2	(*)	÷.	- 19		05		
Duki	+				1.0	5.41				15			(a)			
Lasbella		01	-	Lighting Strike	+	+			-		-			+1		-
Chaghi				-	314		-	3 IF	03	3 1+C 3		- Se - 1			0.000	
Panjgur	-	-	-		+	(i.+.)		8 (s	05		~		1.43	-	1. to 1	
Barkhan		-	-	1	02	-	- 23	- Q	54	+	~	2				-





Provincial Disaster Management Authority (PDMA) PEOC, Balochistan Quetta.



	С	ASI	JAL	ITIES C	ON	FIR	ME	D BY	DDN	IAS (Last	: 24-48hr)	
DISTRICT	CAS	UALIT	IES	DATE OF INCIDENT	1	NJURE	D		USE	ROADS/ BRIDGES	LIVESTOCK	AGRICULTURE / SOLAR PLATES
	M	F	C		M	F	C	COMP	PARTL			
Panjgur	02	đ	1	1# May, 2023	10	10	20	1.5			65	100

					4	wint	er 5	easor	n Kei	ier A	cuv	ittes	`						
SNa	District	Tout	Blacket	Milliow	Plastic Mat	Tarpaslin	Setar Light	Kitchen Set	Charpey	Water Cooler	Mosquito Net	Water Tank	Gas Cytheder (10kg)	Shall Ladies	Shafl Gents	Dates in Packets	Red Salt in Re	Soap (Carten)	D-Watering Pointe
1	Kalat	_	2000		200	200	200	100	100	100			100	400	400	3360			
2	Noshki		1500		-500				200	200		20	100	400	400	3360			
	Pishin		1500		200	200	200	100	100	100			100	400	400	3360	12500		
4	Ziarat		1000							100				300	300	3360	30000		
5	Killa Abdullah		1000											300	300	3360			
6	Chaman		1000											300	300	3360	5000		
7	Killa SalfuBah		1000		î									300	300	3360	9500		
	Mastung		1000		3	1								300	300	3288	10000		
9	Zhob		1000		<u> </u>	-				-				300	300	3288			
10	Loralai		1500	-	200	200	200	100	100	100		-	100	400	400	3190			
11	Harbal		1000	_	_									300	300	3180			
12	Surab		1000		3 1					-				300	300	3190			
13	Kachhi									ļ., ., ., .							5000		
34	Sohhatpur		1000		800	500		\$00						· · · · ·					
15	Jaffarabad		1000		800	500		500											
16	Chagai	700	2000			100		109						200	200				
17	Naseeraba d Division	200	500	100	200	500	100	100	100		100		100	100	100			50	- 14

Chaman Earthquake Incident Relief Activities										
No	Items	Quantity								
1.	Tent	05								
2.	Quilts	05								
3.	Kitchen Set	05								
4.	Gas Cylinder(10kg)	05								
5,	Atta (Flour)(40kg)	10(Bags)								
6.	Tarpaulin	05								
7.	Blankets	05								
8.	Jerry Can	05								
9.	Rice (5kg)	16(Bags)								
10.	Mineral Water (500ml)	100 (Bottle)								

Sd/-(MUHAMMAD YOUNAS MENGAL) INCHARGE PEOC, PDMA Balochistan



Winter Season Relief Activities

Annex H

Pictural Overview of Rain Impacts and Restoration Works



Restoration work on Mansehra - Naran - Jalkhad road which is open for all types of traffic



Road/ bridge damaged due to rains in District Pishin





Road damage due in District Noshki



Restoration work on Pinjra bridge, in District Kohlu



Hailstorm and impact on crops in District Kohlu

