



PROVINCIAL DISASTER MANAGEMENT AUTHORITY
REHABILITATION DEPARTMENT
GOVERNMENT OF SINDH
PLOT NO. 26-C, MAIN KHAYABAN-E-JAMI,
DHA PHASE-VII, KARACHI.
Phone: 021-99332003-5, Fax: 021-99332007



MOST URGENT
BY FAX / WHATSAPP

Dated: 25th May, 2022

Subject: DROUGHT ALERT-1

Pakistan Metrological Department has informed that the country overall received below normal (-21.6%) rainfall from January to April 2022. Due to sufficient rainfall during January, the previous drought conditions became normalized. In spite of intermittent rainfall spells for the rest of the months helped to sustain the normal conditions in the country. The rainfall departure (%) detail is as under:

Table-1 Area weighted rainfall departure (%) from **January to April 2022**

	JANUARY	FEBRUARY	MARCH	APRIL	JAN-APRIL
Balochistan	178.8	-89.3	-68.0	-79.6	-17.0
Sindh	690.9	-95.1	-49.6	-53.4	69.4
KP	115.8	-67.2	-67.7	-74.1	-39.6
Punjab	254.7	-65.2	-72.6	-90.5	-16.3
GB/Kashmir	102.9	-41.2	-48.2	-65.4	-25.0
Pakistan	181.8	-71.9	-64.6	-76.5	-21.6

2. Due to an abrupt increase in daily maximum temperature, heatwave situation was observed from mid of March till to date and land surface temperature remained very high (table-1) which affected the low rainfall region i.e., **Sindh**, Balochistan, South Khyber Pakhtunkhwa and Southern Punjab (Cholistan region). Keeping in view the impact of heatwave, the drought-like situation has emerged over most of the high-temperature regions of the country.

3. The heatwave suppressed the moisture conditions and resulted in the mild drought conditions in most parts of Sindh.

4. Keeping in view the climate change and current seasonal forecast of PMD for these areas, drought conditions may exacerbate and affect the agriculture, water resources and live stocks till mid of June 2022 (before the arrival of the summer monsoon). Dry conditions may cause water stress in the cultivated lands/areas of the country due to the limited availability of irrigation water for Kharif crops.

5. It is therefore advised to all Deputy Commissioners / Chairman DDMA's & other stakeholders to take pre-emptive measures for disaster-prone districts. Farmers / agriculturists are advised to keep visiting the PMD website <http://www.pmd.gov.pk> for alerts / updates in this context.

(Maqsood Hussain Soomro)
Assistant Director (Operations)

A copy is forwarded for information & necessary action to:

Contd/: on page-2



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(2)

1. The Senior Member Board of Revenue / Relief Commissioner, Karachi.
2. The Secretary to Government of Sindh, Irrigation Department, Karachi
3. The Secretary to Government of Sindh, Agriculture Department, Karachi.
4. The Secretary to Government of Sindh, Livestock Department, Karachi.
5. The Secretary to Government of Sindh, Health Department, Karachi.
6. The Secretary to Government of Sindh, Local Government Department, Karachi
7. The Secretary to Government of Sindh, Information Department, Karachi
8. The Commissioner (s) **All in Sindh**
9. The Deputy Commissioner (s) **All in Sindh**.
10. The Deputy Secretary (Staff) to Chief Minister Sindh, Karachi.
11. The Deputy Secretary (Staff) to Chief Secretary Sindh, Karachi.
12. The Director (Response), National Disaster Management Authority, Islamabad.
13. The Head Quarters ComCoast Karachi.
14. The Head Quarters ComKar, Karachi
15. The Head Quarters, 5 Corps, Karachi.
16. The Assistant Director (PRO), PDMA Sindh, Karachi.
17. The Staff Officer to Chairman, National Disaster Management Authority, Islamabad.
18. The PS to Advisor to Chief Minister Sindh, for Relief & Rehabilitation Department Government of Sindh, Karachi.
19. The PS to Secretary Rehabilitation Department, Government of Sindh, Karachi.
20. The PS to Director General, PDMA Sindh, Karachi.



Pakistan Meteorological Department
National Drought Monitoring Centre (NDMC)
Meteorological Headquarters
Islamabad, Pakistan

Islamabad, 16th May 2022

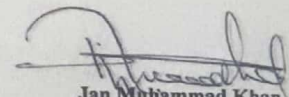
SUBJECT: DROUGHT ALERT-I

The country overall received below normal (-21.6%) rainfall from January to April 2022. Due to a good amount of rainfall during January, the previous drought conditions became normalized. In spite of intermittent rainfall spells for the rest of the months helped to sustain the normal conditions in the country. The rainfall departure (%) detail is as under:

Table-1 Area weighted rainfall departure (%) from January to April 2022

	2022				January to April
	January	February	March	April	
Balochistan	178.8	-89.3	-68.0	-79.6	-17.0
Sindh	690.9	-95.1	-49.6	-53.4	69.4
KP	115.8	-67.2	-67.7	-74.1	-39.6
Punjab	254.7	-65.2	-72.6	-90.5	-16.3
GB/Kashmir	102.9	-41.2	-48.2	-65.4	-25.0
Pakistan	181.8	-71.9	-64.6	-76.5	-21.6

2. Due to an abrupt increase in daily maximum temperature, heatwave situation was observed from mid of March till the date and land surface temperature remained very high (Fig-1) which affected the low rainfall region i.e., Sindh, Balochistan, south Khyber Pakhtunkhwa and southern Punjab (**Cholistan region**). Keeping in view the impact of heatwave, the drought-like situation has emerged over most of the high-temperature regions of the country.
3. Most districts of the west to south-west Balochistan are winter rainfall dominant and rainfall amount varies between 71 to 231mm. The heatwave suppressed the moisture conditions and resulted in the severe drought-like condition in the **Chagi** district whereas moderate conditions have emerged over the **Kharan, Nushki and Washuk** districts of Blochistan. Similarly, mild drought conditions have arisen in most Sindh, South Punjab and Southern Khyber Pakhtunkhwa (Fig-2).
3. Keeping in view the climatology and current seasonal forecast of PMD for these areas, drought conditions may exacerbate and affect the agriculture, water resources and live stocks till mid of June 2022 (before the arrival of the summer monsoon). Dry conditions may cause water stress in the cultivated lands/areas of the country due to the limited availability of irrigation water for Kharif crops.
4. It is advised to all stakeholders to take pre-emptive measures for disaster-prone districts. Farmers/agriculturists are advised to keep themselves updated on the PMD website <http://www.pmd.gov.pk>.
5. NDMC is continuously monitoring drought situations over the country and keeping the stakeholders and general public updated by issuing drought information on a weekly, fortnightly and monthly basis.


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Director (NDMC)
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