
PROJECT LEELU CHHAM GUJARAT

ANNUAL PLANTATION UPDATE REPORT 2024



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INTRODUCTION

Gujarat is a state located on the western coast of India, on the Arabian Sea. Gujarat's location is a range of geographically unique landscapes with varying topographies, including wetlands, a long coastline, arid and semi-arid regions, hills and deserts. Gujarat's access to international waters, petroleum refining abilities and specialized industrial cities enable the thriving of a wide variety of industrial and economic activities in the state.

The state's geography, topography and socio-economic realities make it more vulnerable to challenges of climate change like sea-level rise, temperature fluctuations and recurring extreme climate events such as cyclones. Because of industrialization it is contributing a significant share to the country's emission of carbon dioxide and carbon monoxide emissions. Gujarat accounts for 14% of the manufacturing industry's emissions, which make up 80% of the total emissions in the country.

LEGEND

- International Boundary
- State/UT Boundary



THE BEGINNING

To help increase the green cover in Gujarat, project Leelu Chham was introduced. The region has fewer trees in urban and certain rural areas. Through the project, slowing down of greenhouse gas accumulation can be achieved.

Certain regions of the state face severe water shortage especially in Saurashtra, Kutch, North , South and central parts of Gujarat. Pollution, coastal erosion, deforestation and vulnerabilities due to climate change are some of the environmental challenges facing Gujarat.

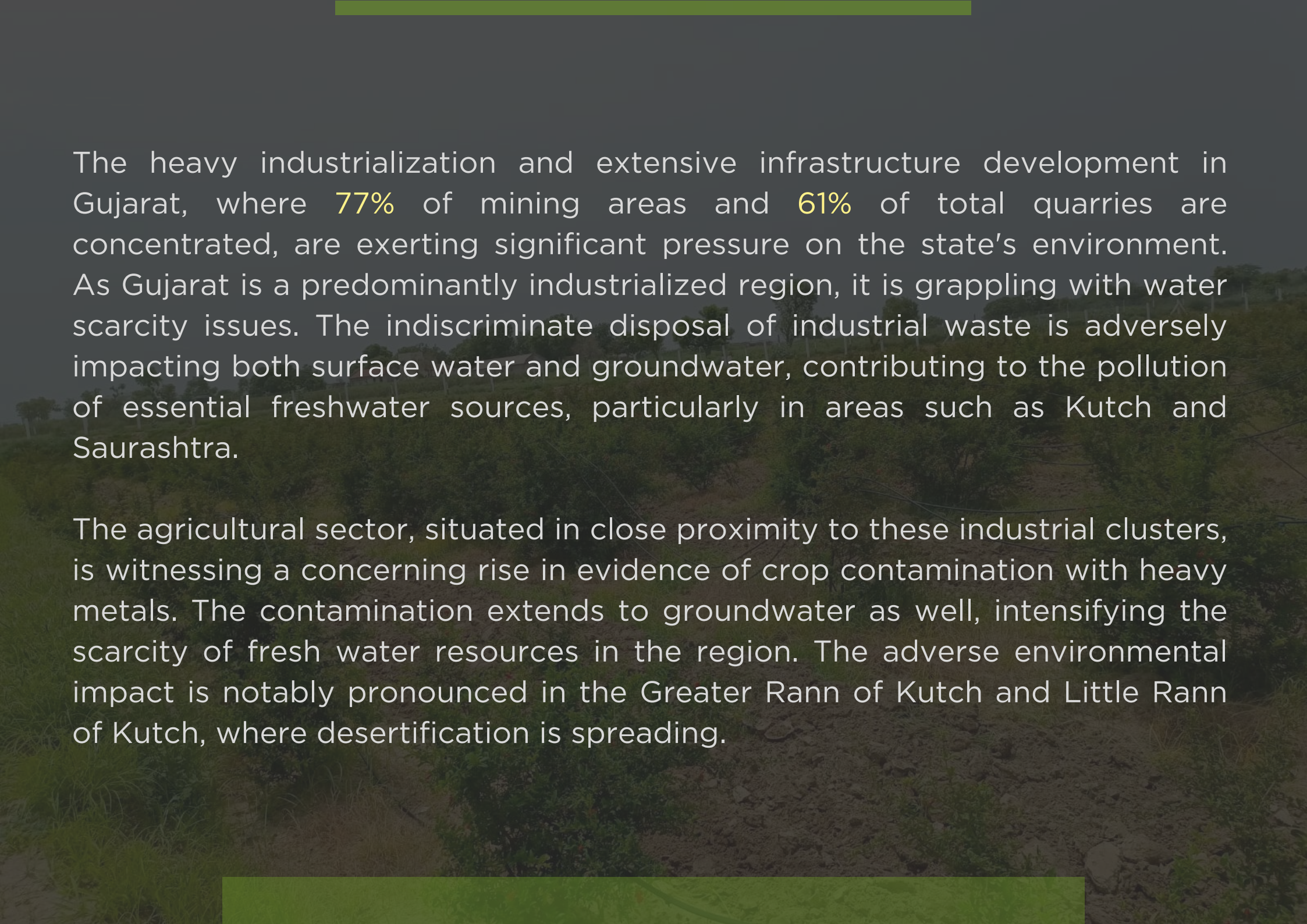
Urbanization and industrialization have led to the loss and fragmentation of habitats, impacting the rich biodiversity of the region. With the Gujarat Government focusing more on development and infrastructure, it is polluting the environment by all means.

Farmers due to crop failures, high input costs, and inadequate support mechanisms face debt burdens. They face issues related to market access, price fluctuations, and fair remuneration for their produce.



THE CHALLENGES

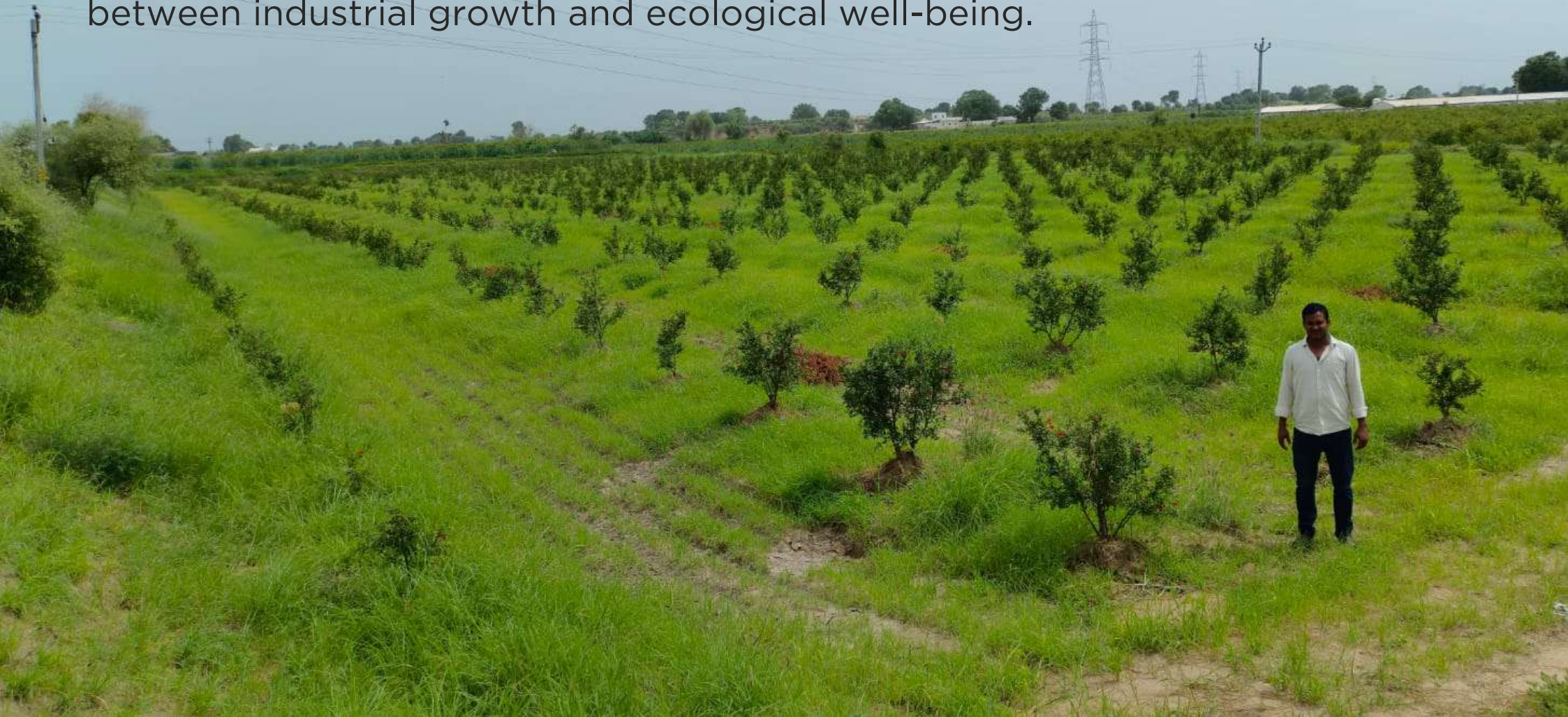




The heavy industrialization and extensive infrastructure development in Gujarat, where 77% of mining areas and 61% of total quarries are concentrated, are exerting significant pressure on the state's environment. As Gujarat is a predominantly industrialized region, it is grappling with water scarcity issues. The indiscriminate disposal of industrial waste is adversely impacting both surface water and groundwater, contributing to the pollution of essential freshwater sources, particularly in areas such as Kutch and Saurashtra.

The agricultural sector, situated in close proximity to these industrial clusters, is witnessing a concerning rise in evidence of crop contamination with heavy metals. The contamination extends to groundwater as well, intensifying the scarcity of fresh water resources in the region. The adverse environmental impact is notably pronounced in the Greater Rann of Kutch and Little Rann of Kutch, where desertification is spreading.

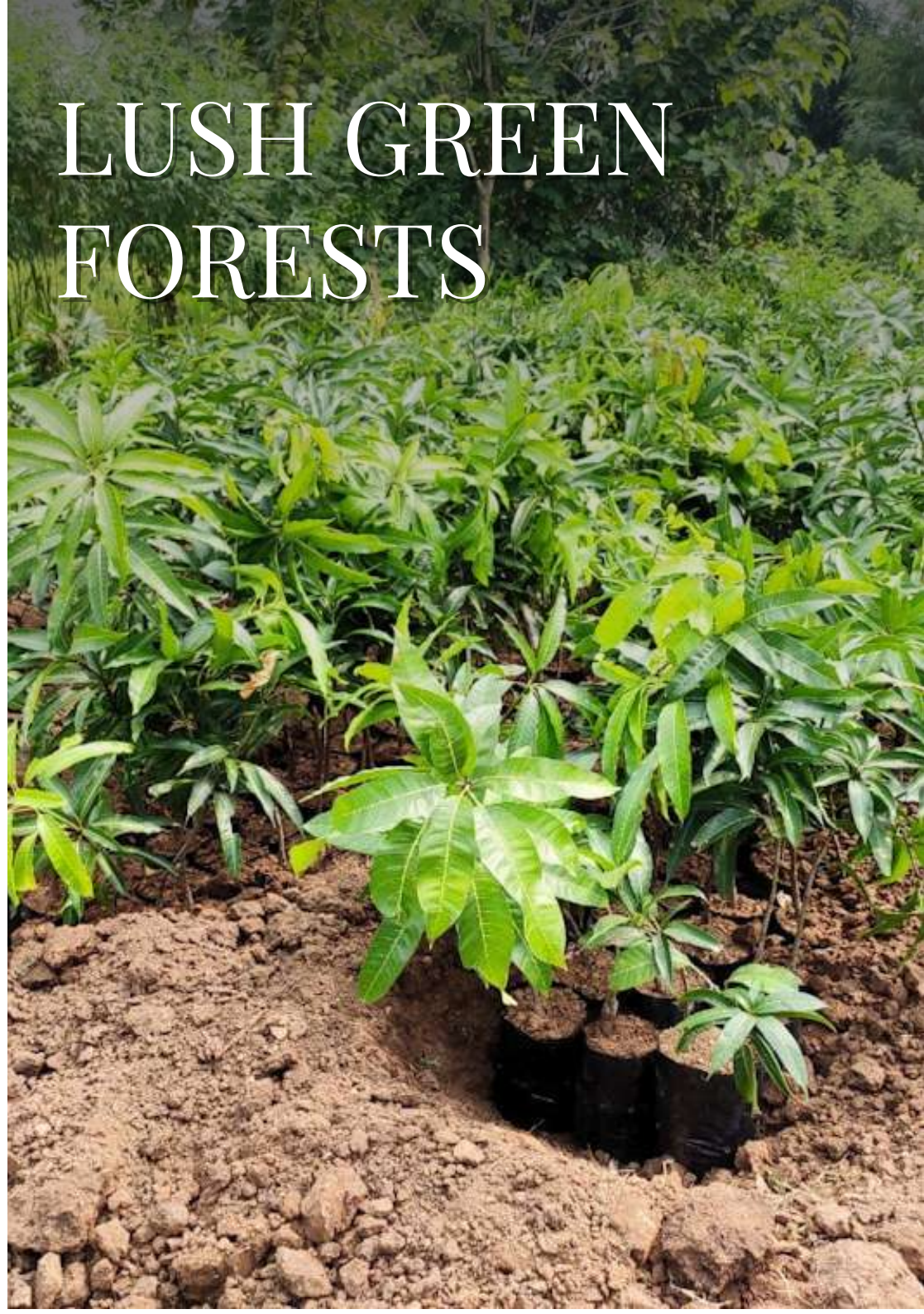
This complex interplay of industrial activities and environmental degradation demands urgent attention and comprehensive measures to mitigate the adverse effects on water resources, agricultural lands, and ecosystems in Gujarat. Sustainable development practices, stringent environmental regulations, and responsible waste management strategies are crucial to safeguard the state's environment and ensure a balanced coexistence between industrial growth and ecological well-being.

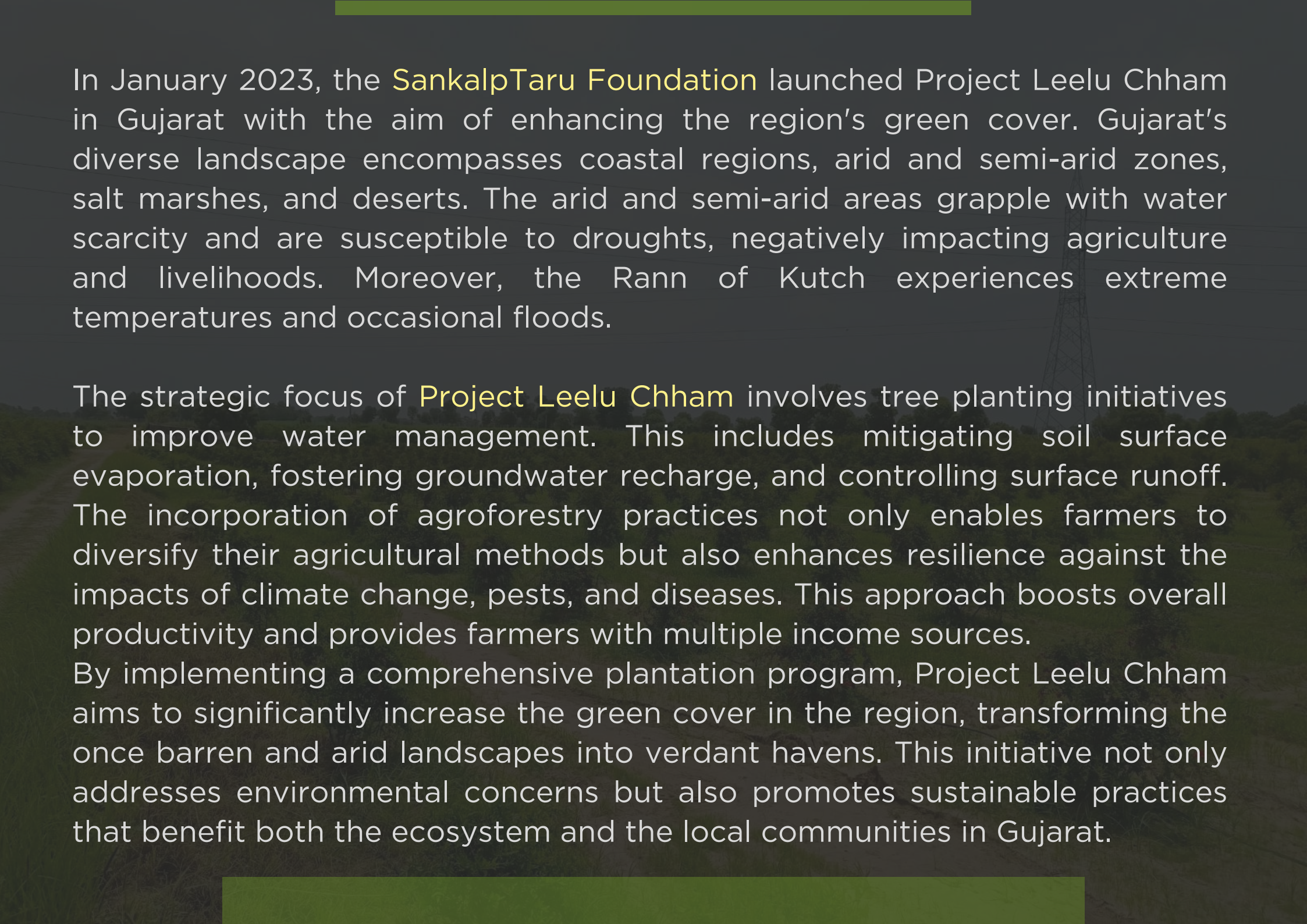


CREATING



LUSH GREEN FORESTS





In January 2023, the **SankalpTaru Foundation** launched Project Leelu Chham in Gujarat with the aim of enhancing the region's green cover. Gujarat's diverse landscape encompasses coastal regions, arid and semi-arid zones, salt marshes, and deserts. The arid and semi-arid areas grapple with water scarcity and are susceptible to droughts, negatively impacting agriculture and livelihoods. Moreover, the Rann of Kutch experiences extreme temperatures and occasional floods.

The strategic focus of **Project Leelu Chham** involves tree planting initiatives to improve water management. This includes mitigating soil surface evaporation, fostering groundwater recharge, and controlling surface runoff. The incorporation of agroforestry practices not only enables farmers to diversify their agricultural methods but also enhances resilience against the impacts of climate change, pests, and diseases. This approach boosts overall productivity and provides farmers with multiple income sources.

By implementing a comprehensive plantation program, Project Leelu Chham aims to significantly increase the green cover in the region, transforming the once barren and arid landscapes into verdant havens. This initiative not only addresses environmental concerns but also promotes sustainable practices that benefit both the ecosystem and the local communities in Gujarat.

THE STORY TODAY

6209

Number of trees
planted 2023

29

Number of
beneficiaries impacted

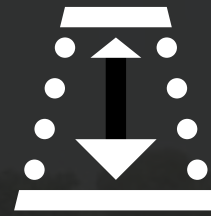
90%

Survival rate



6209 saplings

Total trees planted



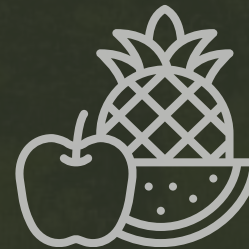
40 to 50 feet

Total inc. in
groundwater depth



5950 tonnes

O_2 to be produced



**74.5 tons of
fruit per season**

Fruit production



3104.5 tonnes

CO_2 to be
sequestered



20.6 acres

Area greened



Rs . 3725400/-

Eco. value for
farmers

TESTIMONIAL

Kalpeshbhai Okhabhai Chaudhary

In the plot of Kalpeshbhai Okhabhai Chaudhary, Piluda, Tharad Banaskantha, Gujarat saplings of pomegranate were planted in 2023. In deep gratitude, he thanked the foundation as the team has assisted him in caring for the saplings as nurturing for a child. He continued acknowledging the foundation for the additional help in the efforts.





THE WAY FORWARD

With your enduring support and trust, we are confident that this green journey is a path of lasting impact. Our Foundation is dedicated to advancing the project by expanding our reach to more beneficiaries and cultivating sustainable growth alongside them. By fostering livelihood opportunities and embracing a commitment to a greener future, we aim to thrive collectively. It brings us great joy to envision your contributions reducing the vulnerability to crop failures through the planting of fruit-bearing trees on these farmers' lands.

Plant with us

<https://sankalptaru.org>

Our Social Media



Visit our website <https://sankalptaru.org/>
To get in touch, email us at wishy@sankalptaru.org
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