



PROJECT BHAVNAM

Location: Manesar, Haryana

ANNUAL UPDATE REPORT

APRIL 2023

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We are one of India's largest IT-enabled NGO, working Pan-India on afforestation and reforestation programs. So far, our plantations have covered **26 states and UTs**. India is a country with diverse landscapes and the reach of our projects reflects the same diversity.

We have touched the mountains of Ladakh, the desert islands of Rajasthan, the islands of Brahmaputra, the drought-prone region of Vidarbha, the seashores of Mahabalipuram, and the deltas of Sundarbans, carrying a 85% survival rate.

We are delighted to announce that we have planted and survived more than **5 million trees** to date and with the continual support of patrons like yours, we will be able to continue our journey to spread greenery and restore our lost biodiversity.



The pioneer tree was planted at The Aravalli's on the Earth Day of 2018

Project Bhavnam for Haryana is the one-stop solution to the devastating aftermaths of striking pollution levels around the capital city. Realizing a severe threat on our survival, **SankalpTaru Foundation** initiated this project in The Aravalli Range in Manesar to create a lush green jungle over its concrete jungle. The aim is to create a wildlife sanctuary in the area. Aravalli's is a hub for the groundwater recharge of the Delhi NCR region.

Objective:

- To increase the green cover of the Aravalli range by planting native trees that support local biodiversity through our community plantation model.
- Involve local communities and benefit from their enthusiasm in environment conservation by creating a self – sustainable ecosystem.
- To create green lungs for the capital city and attempting to lower its striking pollution levels.



Tree plantation is one of the easiest solution to restoring ecology

The Aravalli Range is the oldest range of mountains in India.

Being the vital 'Recharge Zone' for Delhi NCR, it is being aggressively **exploited** to create concrete jungles, while its green foliage is being tarnished into barren land.

Perturbed by the destructive plight of The Aravallis, the aim taken up was to restore the floral and faunal species under 'Project Bhavnam by creating greenery in the eco-sensitive region.



WORK ON-SITE

Your generous donation is helping us maintain a 24 x 7 watch and protect the plants.

- Proper fencing of plantation blocks is also done so as to preserve the saplings from any kind of animal menace.
- Aravallis are a tough terrain due to its extremely harsh land which is hard to dig manually, thus we used JCB Earth Mover for the task.
- Our team regularly maintains the water motors to irrigate the plants sufficiently for healthy growth.
- For the healthy and sustainable growth of all our plants rooted at the Aravallis, The SankalpTaru team keeps a constant check on the disease management of the saplings.
- A total of 18,000 healthy saplings of varied species have been planted from April 2018 till today.

Each tree planted under the project would act as an essential green source of **filtering pollutants** from the atmosphere while increasing the green cover to freshen the environment.

Species planted in the project are amla, peepal, bargad, karanj, arjun, shami, khair, kadam, neem, belpattar, sheesham, pakhad and jungli ber, with 90% survival rate.





18,000

No. of trees planted



O2 produced in a tree's life span

260 Kilo Tons



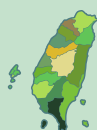
CO2 sequestered in a tree's life span

150 Kilo Tons



Survival rate

85%



Total area greened

70 acres



Total increase in Groundwater recharge

30 feet



Economic value for farmers after 1st harvest cycle

INR 60 lakhs per season

SUSTAINABILITY DEVELOPMENT GOALS ASSOCIATED WITH THE PROJECT



SDGs

Goal 3-Good Health and Well Being: Trees contribute to our health and well-being in a number of ways. They absorb odors and pollutant gases and can reduce rates of asthma due to improved air quality.

Goal 7- Affordable and clean energy: Tree planting will help to curb the greenhouse emission and cool the earth's temperature. It's a one way to reduce energy. Installation of solar panels on site and using green energy for irrigation and other activities

Goal 8 – Decent Work and Economic Growth: Tree plantation will generate employment to nearby rural communities

Goal 13-Climate Action: Trees help to mitigate the climate change by storing carbon and releasing oxygen into the air. They filter and clean the air we breathe and help prevent water pollution.

Goal 15- Life on a Land: Trees also create needed habitat for plants and animals. Many animals make their homes in trees promoting biodiversity



2018

JOURNEY THROUGH THE YEARS

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2019

JOURNEY THROUGH THE YEARS

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2020

JOURNEY THROUGH THE YEARS

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2021

JOURNEY THROUGH THE YEARS

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2022

JOURNEY THROUGH THE YEARS

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A pond has been created under Project Bhavnam for water harvesting and storing water for trees. In the rainy season, the water from rains is stored in the pond and is used to water trees in the Aravallis. During the non-rainy season, when all the water from the pond is used then water is pumped from the tube well post which it is stored in the pond and used to water trees planted on site. The pond rejuvenation initiative will **increase biodiversity** in the area.





From disappearing cultivable lands to lush green spaces



our social media handles



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