

10/10/2023

## **Afforestation Project Report 2023-24**

Project Site – SRPF Firing Range, Wadachiwadi.

**Supported By: Cummins India Ltd.**

**Implemented By: TERRE Policy Centre**





Technology, Education, Research and Rehabilitation for the Environment  
Leading platform for development through Alternate Path

Registration No.:- E5523

PAN No.:- AADTT0637P

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## Afforestation Project 2023-24

### Introduction-

Tree-planting is the process of transplanting tree seedlings, generally for forestry, land reclamation, or landscaping purpose. **TERRE Policy Centre** and **Cummins India Ltd.** are working together towards a greener and better environment of Pune city under the expert guidance of Dr. Vinitaa Apte – Founder & Director of TERRE Policy Centre. TERRE's mission is to provide credible information, straight answers and innovative solutions in the effort to address global environmental issues like Climate Change, Ozone Layer Protection, Toxic Chemicals and Biodiversity. Forest are the foremost source for producing oxygen in the environment, they also help to reduce the level of CO<sub>2</sub> From the atmosphere, as we all know that the whole world is facing the problem of global warming and to recover from such a problem planting the trees is become one of the most important aspects nowadays.

Planting more trees helps to maintain healthy soils and humidity levels in the air around the world. It begins when trees regulate the water cycle. Trees absorb air and transpire it back into the atmosphere, effectively filtering and controlling the levels of humidity wherever they are.

As an attempt to reduce environmental issues like Climate change, Ozone layer protection, toxic chemicals pollution and biodiversity **TERRE Policy Centre** & its esteemed CSR partner **Cummins India Ltd.** initiated afforestation project on the **10<sup>th</sup>** day of **August 2023** at SRPF Firing range Wadachiwadi. Cummins India Ltd. & TERRE Policy Centre is working together for environment & its conservation since last 3 years. Till date more than three lakh trees were planted by **TERRE** across India converted into green oxygen producing zone.

### Project Site Location & Map-

**SRPF Firing Range Wadachiwadi (Lat. & Long)**

[18.41690425232961, 73.91764960154924](#)

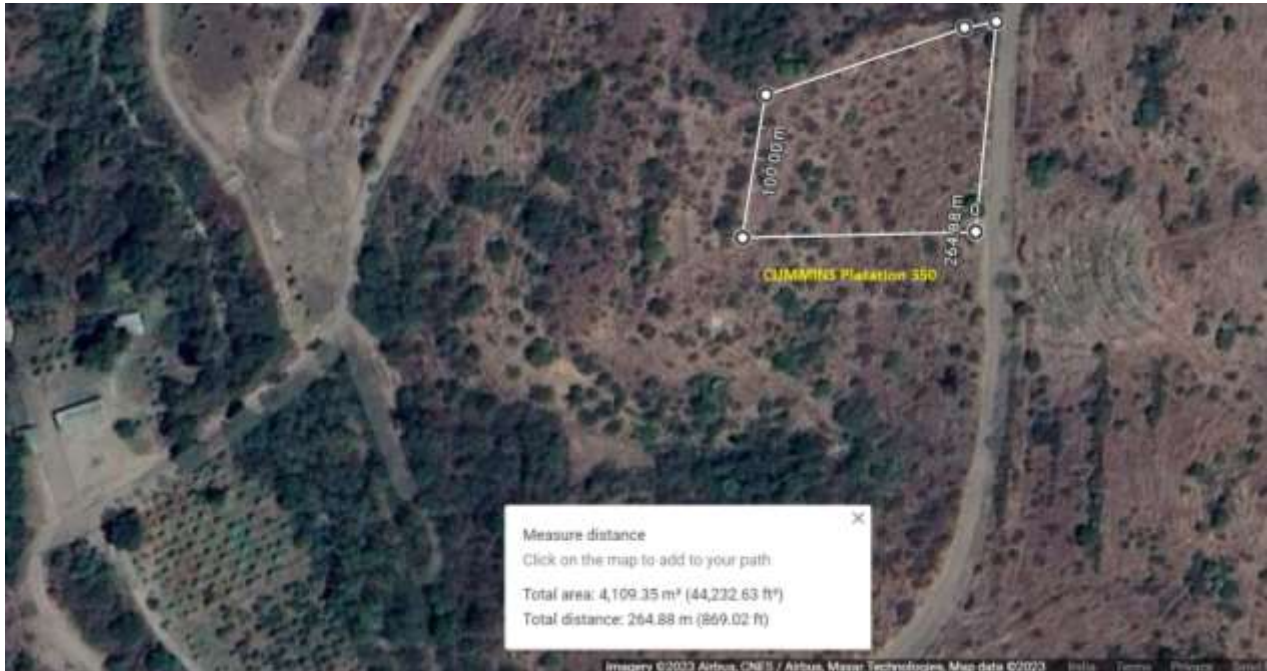


Fig: Plantation Area Highlighted (Ref- Google Map)

## Plantation Details-

Plantation of total **350** plants has been done on 1.5 acres of land. Plants of size **13-15** feet height with bag size of **25\*25** inches are planted in 90\*90\*90 cm pits at wadachiwadi site. Total plantation process, initially from site survey, pits digging & Preparation; plants receipt at site, actual plantation was completed in period of June to August 2023. Considering the biodiversity aspect as well as soil quality we have selected indigenous species like kanchan, neem, banyan, peepal, etc.

The actual plantation site is availed with appropriate water source, pipe line network all over the site, electricity and security facility. Total plantation of big 350 native plants is completed from 9<sup>th</sup> August to 28<sup>th</sup> August 2023 by group of 10 labours from rural area. By involving manpower from rural area we indirectly empower the community by making them available an income source. By implementing this project we covering the **SDGs** are **2.Zero Hunger**, **13. Climate Action**, **15. Life on Land**.

### Project Activities Completed Till date-

Sr. No	Activity	Schedule	Status
1	Site Survey & Permission from SRPF	15 <sup>th</sup> July to 31 <sup>st</sup> July	Successfully completed
2	Preparation & Pits Digging	8 <sup>th</sup> Aug. to 13 <sup>th</sup> Aug	Successfully completed
3	Plants Procurement & unload @ site	10 <sup>th</sup> Aug. to 14 <sup>th</sup> Aug	Successfully completed
4	Soil filling preparation	15 <sup>th</sup> Aug to 16 <sup>th</sup> Aug	Successfully completed
5	Actual Plantation	17 <sup>th</sup> Aug to 21 <sup>st</sup> Aug	Successfully completed
6	Ring Preparation & Support stick	22 <sup>nd</sup> Aug to 28 <sup>th</sup> Aug	Successfully completed

### List of Species Planted at Site-

List of Species Planted				
Sr. No	Scientific Name	Common Name	Bag Size	Qty.
1	<i>Millettia pinnata</i>	Karanj	25*25	50
2	<i>Azadirachta indica</i>	Neem	25*25	35
3	<i>Ficus benghalensis</i>	Wad	25*25	30
4	<i>Bauhinia variegata</i>	Kanchan	25*25	40
5	<i>Neolamarckia cadamba</i>	Kadamb	25*25	40
6	<i>Mahogany</i>	Mahogany	25*25	40
7	<i>Tabebuia rosea</i>	Tabebiya	25*25	40
8	<i>Terminalia catappa</i>	Badam	25*25	45
9	<i>Ficus religiosa</i>	Pimpal	25*25	30
			<b>Total</b>	<b>350</b>

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Currently daily monitoring, watering maintenance of the plants going on by the appointed care taker by TERRE. The remaining activities like grass cutting, identification etc. will be done by this December. Fire line preparation will be done in the month of March tentatively.

## Glimpses of Plantation Activity-

### 1) Preparation & Pit Digging-









## 2) Plants Unloading at Site-



### 3) Preparation & Soil Filling-



### 4) Actual Plantation-



**5) Support Provision & Watering-**



**6) Grass Cutting, Ring Preparation-**



### Current Situation of the Plants-



# Thank You.....