



TATA Cummins Private Limited Phaltan, Dist., Satara

Presenter:

Sainath More: Project Manager

Pravin Gaikwad: CSR Manager

Project - Ecological Restoration of Kalaj Hill reserved forest area



Project highlights:

- Ecological restoration project on barren hill in Kalaj Village of Phaltan Dist. Satara. (Area 25 Hectares)
- Tri-party agreement between Forest Department- Government of Maharashtra, Cummins India Foundation & NGO
- First Phase plantation work started in August 2019 and 6270 trees planted
- Second Phase plantation work started in June 2020 and 1564 Nos of trees planted
- 1900 running meters live fencing provided for protection from external threats.
- · Capital investment of Rs. 1.15 Crores spend till date

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Administrative Challenges
Approval of project site for tri party agreement from Government of Maharashtra
forest department

Continuous follow up with forest dept at all levels

Physical condition & strata of the Kalaj hill. Soil was not in good
condition, No moisture, rough terrain. Pit digging

Contour Survey of Site,
Divided area zone wise & terrain wise

Create pathways for Tankers and vehicle movement

Create pathways for Tankers and vehicle movement

Kalaj Hill actual site Video

Kalaj Hill site video.mp4

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Tangible benefits

Carbon Sequestration by 313 MtCO2 in 2 Years

Plantation of 7818 Nos of Local draught resistant species

Increase in Biodiversity - 35 Birds & 4 Mammals

Increase in ground water level

Involvement of local communities – 04 surrounding villages

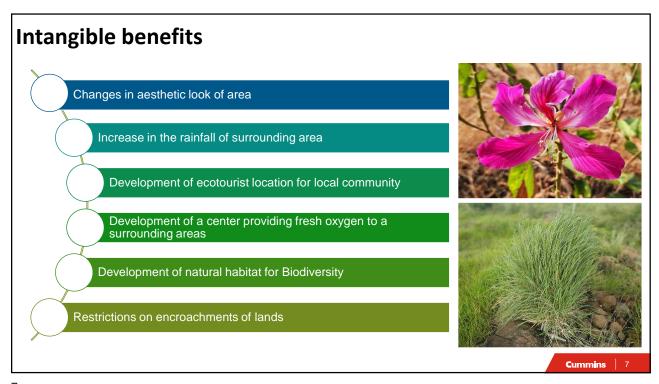
Milestone towards achieving Cummins PLANET 2050 Goals





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Potential to implement within organization

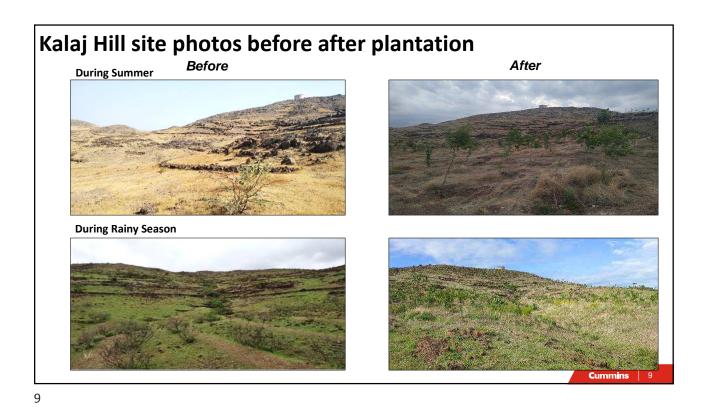
Implementing similar project at Aundh, Pune

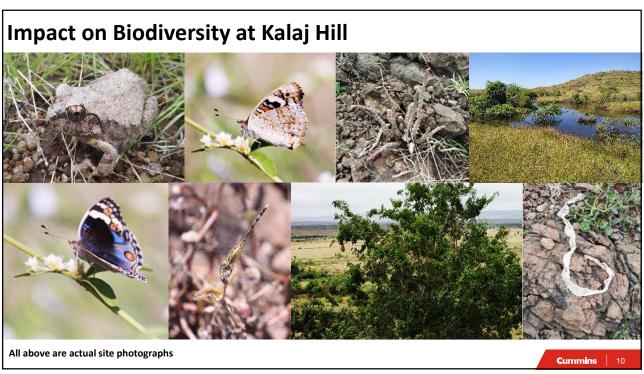
Readiness of cummins afforestation guidelines and SOP for horizontal deployment

Status of project shared in management review, all employees through intranet

Knowledge and achievements of project shared during World Environment Day-2021 awareness sessions

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Impact on Biodiversity at Kalaj Hill



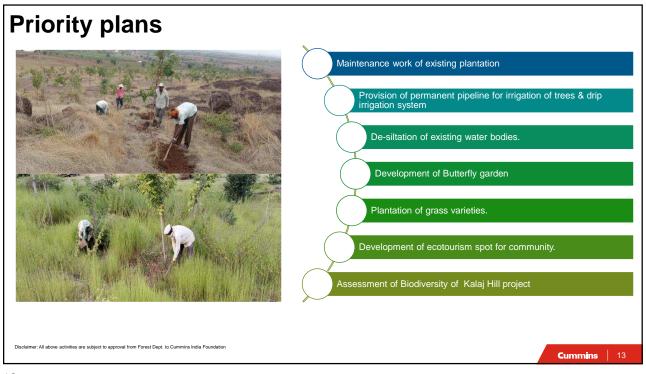
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Achievements of projects



- It is the only tri party agreement project in Southern Maharashtra between Corporate & Forest department which achieved 92% survival rate against the forest department survival standard of 50%.
- Selection of 33 nos of indigenous drought resistant species
- 313 MtCO2 Carbon Sequestration by trees.
- Scientific study & biodiversity Assessment of the project
- Completed CSR activity for 5500 hrs. at Kalaj hill project.
- Growth of grass varieties up-to 06 feet

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Environmental performance evaluation

Management Performance indicator (MPI)

- Board of Directors provided the funding of 1.15 Crores through CR budget
 Involvement of Employees for 5500 hrs. through CR

- Involvement of top management on quarterly basis through review of projects
 Involvement of legal and government relation team in getting approval from government
- Regular site visit by top management to review the progress of project

Operational Performance Indicator (OPI)

- 313 Tons CO2 equivalent Carbon sequestration
- Increase in height of trees from 6 feet to 10 to 12 feet grass from 1 feet to 6 feet.
- Increase in ground water table
- Improvement in nutritional value of soil & reduction in soil erosion
- Guidance from subject matter experts.

Environmental Condition indicator (ECI)

- Increase in Biodiversity 35 species of birds, 4 species of mammals, 5 species of reptiles, 4 species of amphibians, 20 species of grasses & shrubs, 2 species of Mushrooms
- Nesting of birds, Dens of Wolf & Jackals, sightings of Hyena, blackbucks at site.
 Holistic approach towards Biodiversity development.

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