GOVERNMENT OF KARNATAKA

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KARNATAKA FOREST DEPARTMENT

Project proposed under CSR Fund

Name of Work :- Regeneration Miyawaki forest in Nagamangala Range

Project Cost:- 75.00 Lakhs

Brief Note on Nagamangala Territorial Range

Mandya forest division extending over the taluks of Mandya, Srirangapatna, Pandavapura, Maddur, KR Pet, Nagamangala and Malavalli. The forest division with itsheadquarters at Mandya consists of two sub-divisions with headquarters at Mandya andNagamangala. There are seven ranges with headquarters at Mandya, Maddur, Mandya,Nagamangala, Srirangapatna, KR Pet, Malavalli and Pandavapura.The geographical area of the division is 496100.00 hectares. The total extent of notified forests of Mandya district is 15323.22 hectares. Of which Reserved Forests- 6913.12 hectare, Section 4 – 2365.84 hectare and Village Forest- 6044.26 hectare area is under the control of Mandya territorial division and 13669.41 hectare area under the control of the Wildlife wing 8531.58 hectares in Cauvery Wildlife Sanctuary and 4,982.00 hectares in Melkote wildlife sanctuary, 67.49 hectares in Ranganathittu wildlife sanctuary and 88.34 hectares area in Adichunchangiri Peacock Sanctuary. The notified forest area in Mandya District is 5.84% of the total geographical area. As far as Mandya Forest Division is concerned the notified forest area is only 3.08%. In Additional to this as per the Government Notification No. FEE 185 FAF 2011 Dt.05.05.2022 an extent of 32,958 HA is Notified as Deemed Forest in the Division.

Miyawaki Forest :

1) A Miyawaki forest is a dense, self-sustaining mini-forest created using Dr. Akira Miyawaki's method, which plants numerous native tree and shrub species densely together to mimic natural forests in a fraction of the time.

2) This approach accelerates growth, increases density, and fosters greater biodiversity and soil health, making it a successful technique for urban afforestation and environmental restoration in limited spaces.

Nagamangala Range, Nagamangala

Sub: Projects proposed by Karnataka Forest Department under Wildlife Sector for funding through KFWCCMF

The details of the projects proposed to be undertaken through CSR funds from the KFWCCM Foundation are requested to be submitted in the following format, with i. One page Note & ii. Line Estimate

Sector	Wildlife
Name of the Project	**Miyawaki forest in small patches of forest area** 1) A Miyawaki forest is a dense, self-sustaining mini-forest created using Dr. Akira Miyawaki's method, which plants numerous native tree and shrub species densely together to mimic natural forests in a fraction of the time. 2) This approach accelerates growth, increases density, and fosters greater biodiversity and soil health, making it a successful technique for urban afforestation and environmental restoration in limited spaces.
Proposal submitted by Unit	Nagamangala Range, Nagamangla
Total Project Cost (Rs. In Lakhs)	75.00 laks
Coverage /Area (in Ha) & Forest Block	15 Ha
Project Duration- In Years	3 Years
Project Implementing Agency: Department/Funding Agency	Karnataka Forest Department.
Objective of the Project	To Develop Urban afforestation and environmental restoration in limited spaces.
Output (Activities/ Quantity)	**Urban greening:** It provides a practical way to create green spaces and mini-forests in small urban areas. **Environmental restoration:** The method transforms polluted, barren lands into thriving ecosystems. **Carbon sequestration:** The dense growth and healthy soil lead to increased absorption of carbon dioxide.

	Air and water quality: These forests help reduce dust, foul odors, and air and water pollution, while also preventing soil erosion. **Noise and dust reduction:** The dense foliage provides a significant buffer, reducing noise and dust levels by up to 30 times compared to monoculture plantations.
Justification/Essentiality	Urban greening, Environmental restoration, Carbon sequestration, Air and water quality and Noise and dust reduction
Whether, the proposed project is as per approved/proposed Management plan/Working Plan	-

- **Carbon sequestration:**

  The dense growth and healthy soil lead to increased absorption of carbon dioxide.

- **Air and water quality:**

  These forests help reduce dust, foul odors, and air and water pollution, while also preventing soil erosion.

- **Noise and dust reduction:**
  The dense foliage provides a significant buffer, reducing noise and dust levels by up to 30 times compared to monoculture plantations.

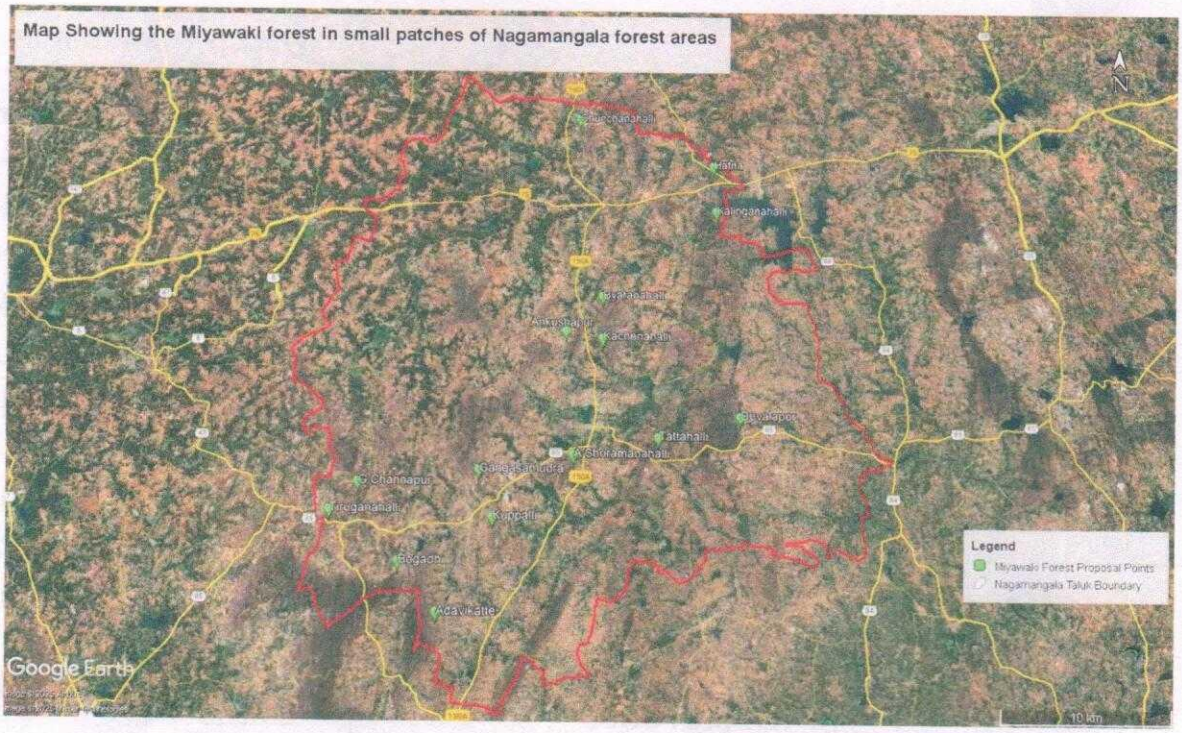
Miyawaki Forest in Nagamangala Range :- Why do you need Miyawaki Forest.

Miyawaki forests are needed in dry areas to combat drought, reduce heat, combat erosion, and create habitats for biodiversity, but they require careful management and a reliable water source. By creating a dense, stratified environment with diverse, native species, these mini-forests promote rapid growth and resilience, establishing a healthier microclimate that can improve local soil and water conditions over time. However, the practice has been criticized for potentially damaging fragile dry ecosystems by introducing non-native species and depleting water resources.

Budget Estimates :

Sl No.	Village Name	GPS Poits	Qty	Rate	Amount
01	G Channapur	N12.779049 E76.621814	1.00 Ha	5.00 Lakhs	5.00 Lakhs
02	Tiruganhally	N12.761375 E76.606728	1.00 Ha	5.00 Lakhs	5.00 Lakhs
03	Bogadhi	N12.734803 E76.647827	1.00 Ha	5.00 Lakhs	5.00 Lakhs
04	Gangasamudra	N12.786598 E76.691152	1.00 Ha	5.00 Lakhs	5.00 Lakhs
05	Kuppali	N12.759543 E76.700019	1.00 Ha	5.00 Lakhs	5.00 Lakhs
06	Adavikatte	N12.707488 E76.670660	1.00 Ha	5.00 Lakhs	5.00 Lakhs
07	Tattahalli	N12.805936 E76.795188	1.00 Ha	5.00 Lakhs	5.00 Lakhs
08	Hatna	N12.982918 E76.833569	1.00 Ha	5.00 Lakhs	5.00 Lakhs
09	Kalinganahalli	N12.950946 E76.834179	1.00 Ha	5.00 Lakhs	5.00 Lakhs
10	Byranahalli	N12.89365 E76.762661	1.00 Ha	5.00 Lakhs	5.00 Lakhs
11	Chunchanahalli	N13016733 E76.747253	1.00 Ha	5.00 Lakhs	5.00 Lakhs
12	Devalapur	N12.818452 E76.843736	1.00 Ha	5.00 Lakhs	5.00 Lakhs
13	Ankushapura	N12.870995 E76.740332	1.00 Ha	5.00 Lakhs	5.00 Lakhs
14	Kachenahalli	N12.866866 E76.762780	1.00 Ha	5.00 Lakhs	5.00 Lakhs
15	A Shriramanahalli	N12.795663 E76.745544	1.00 Ha	5.00 Lakhs	5.00 Lakhs
				Total :	75.00 Lakhs

Map : Miyawaki Forest Proposal area points



Miyawaki Method

A method developed by Japanese botanist Akira Miyawaki in the 1970s