

REGD/E-MAIL

Reminder II

From

The Director Higher Education, Haryana,
Shiksha Sadan, Sector-5, Panchkula.

To

All the Principals of Government Colleges of Haryana State

Memo No. 1/5-2023 CO.(3)

Dated Panchkula, the 10.08.2023

Subject:- Regarding identification of lands for creation of land bank for compensatory a forestation under forest conservation Act 1980 as per "The Miyawaki Method" .

Kindly refer to the subject cited above.

You are requested to identify 100 Sq. Mtr land in the campus area as per "Miyawaki Method" (copy enclosed) and provide the detail on the Google link provide below

Link :-

https://docs.google.com/forms/d/e/1FAIpQLScH289mQqCHN_eLY125RAE9-z6KaO6QcQAp-fBjUCITvSXDUw/viewform?usp=pp_url

Enclosed : As above.

Gos S 10/8/23
Deputy Director Coordination
for Director Higher Education,
Haryana, Panchkula

CC- In-charge IT cell to upload on the portal.

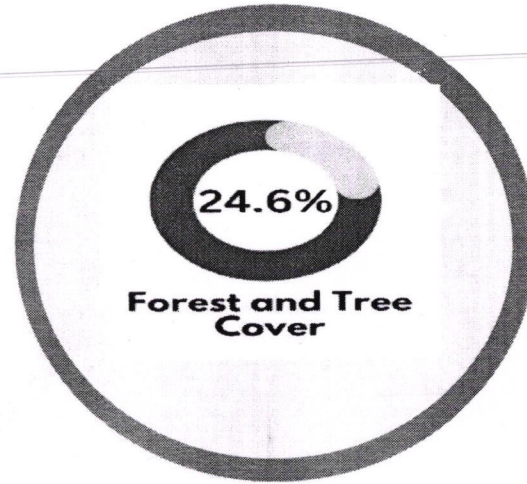
WGS 10/8/23

The Miyawaki Method



A Better Way To Build Forest





Indian Forest Cover

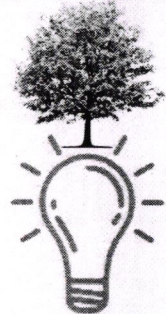
Analysis

Present, Past & Future

In this presentation I am going to highlight the need of plantation using Miyawaki Method Technique.

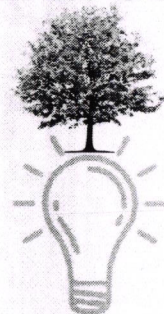
2019
1

24.56



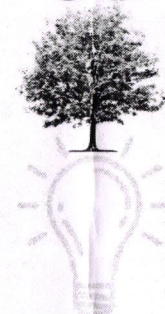
2021
2

24.62



3

33

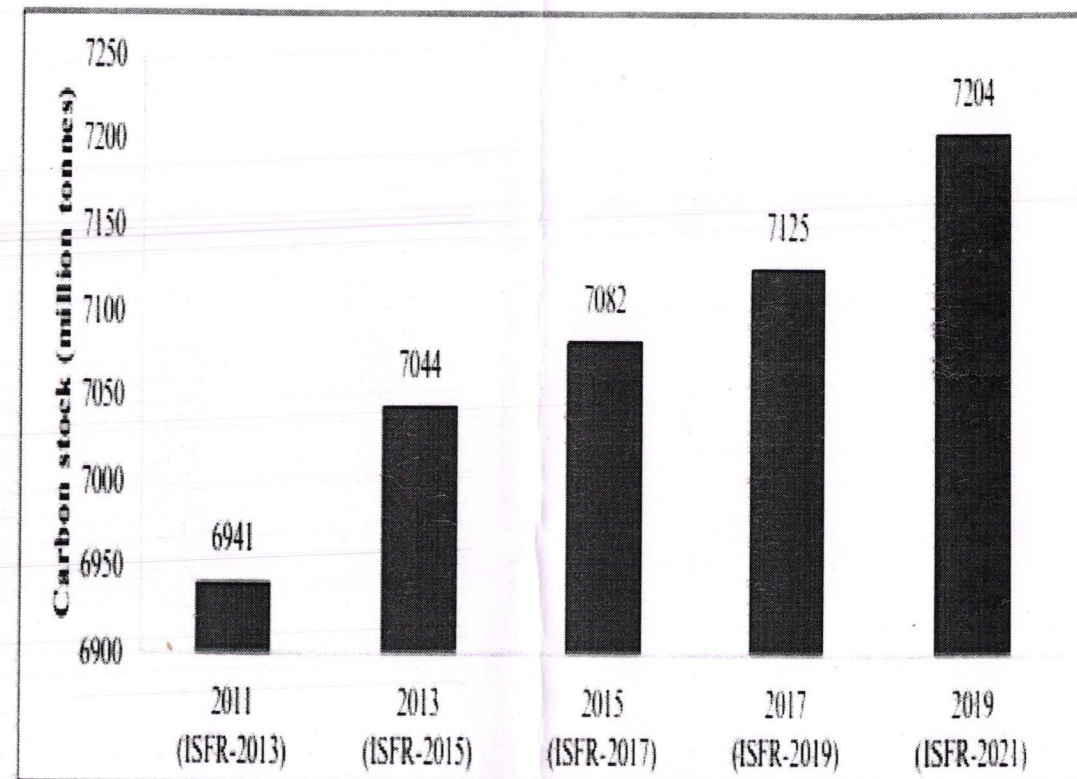


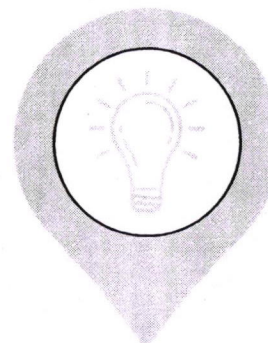
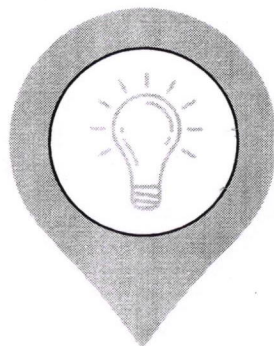
Progress of tree cover

Status of Forest and Tree Cover

- One of the three quantifiable targets of India's NDC is to achieve an additional carbon sink of 2.5 billion to 3.0 billion tonnes through additional forest and tree cover by 2030. The forest and tree cover in India has shown a gradual and steady trend of increase in the last one and a half decades.

Figure VII.3: Carbon stock in forests in India has been rising





Very Dense

28 (sq km)

2019

Mod. Dense

450.90

2019

Open

12.93

2019

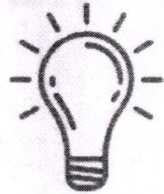
**Haryana Forest Cover
2019**

ecosystem
restoration

1

2 to 7 trees per m²

**Planting
density**

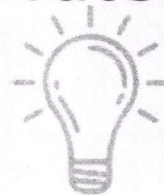


Potential Natural
Vegetation

2

15 to 90%

**Survival
rate**



Cooperation

3

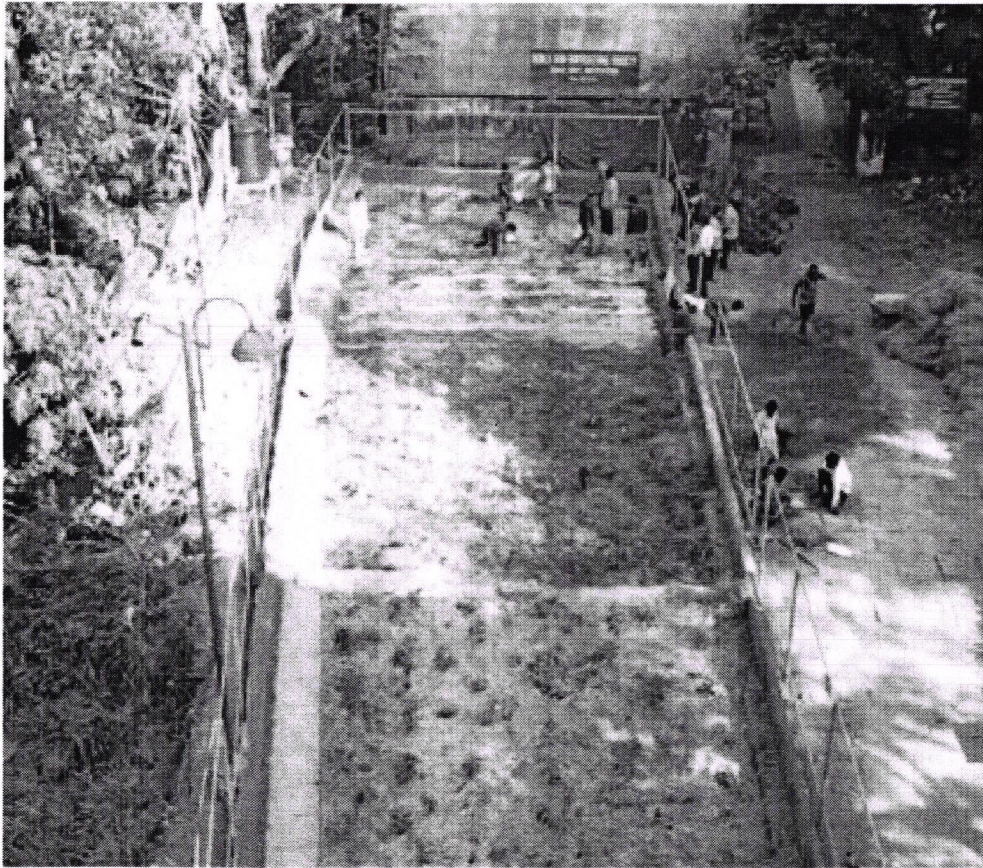
1.5 m/year

**Growth
rate**



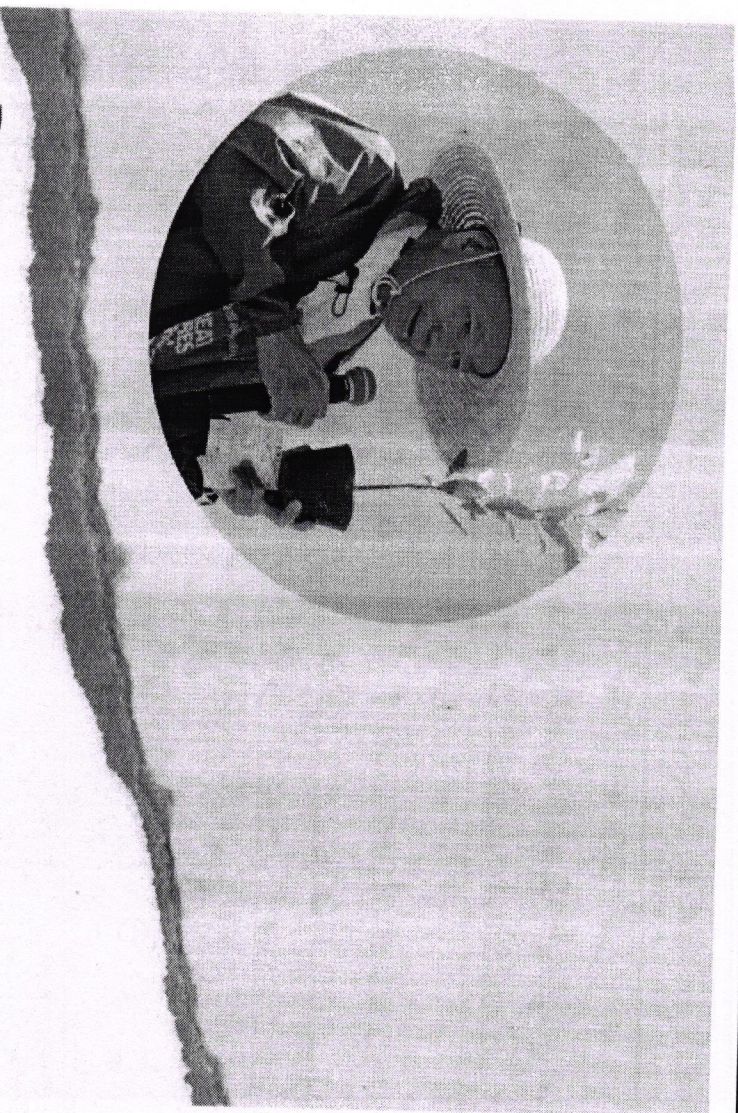
Miyawaki forest key-numbers

Miyawaki Model Technique



- This method includes planting trees (only native species) as close as possible in the same area which not only saves space, but the planted saplings also support each other in growth and block sunlight reaching the ground, thereby preventing the growth of weed.
- The saplings become maintenance-free (self sustainable) after the first three years.

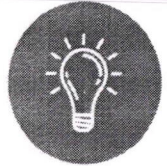
Significance of Miyawaki Technique



"Recreating native forest with native trees"

Dr. Akira Miyawaki

- Undisturbed land which has no human influence
- naturally help to grow plant communities.
- creating forest cover quickly on degraded land
- It is effective because it is based on natural reforestation principles
- It uses trees native to the area and replicating natural forest regeneration processes.
- These small clusters of forest gradually turn into a massive area.
- It is also a useful tool in Urban Forestry projects and the development of recreational parks.



Rebuild Kerala

Kerala, which has suffered floods, landslides and soil erosion



Tamil Nadu

Nandavanam Project



'Yadadri' Method

Telangana State Government is experimenting with a version of Miyawaki through the 'Yadadri' method of dense plantation with no definite spacing between the saplings



Green Maharashtra Mission

State Government has decided to implement the 'Miyawaki' as Anandwan Project.

India and Miyawaki Model