Bamboo
Research &
Training
Centre



Avinash Kumar, IFS Director, BRTC

Introduction

Established on 4th Dec 2014

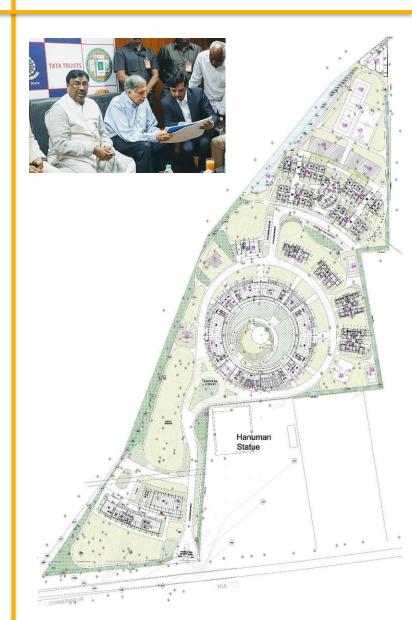
BRTC is an autonomous organization of the Maharashtra Forest Department, established under the visionary guidance of Hon. Shri. Sudhir Mungantiwar, Minister for Forests, Cultural Affairs, and Fisheries.

Vision

To become a premier institute in Bamboo Sector through Research, Training, and Skill Development.

Focus

- •Value addition in the field of bamboo for the betterment of society.
- •Research and development of high-yielding bamboo species for the upliftment of farmers.
- •Provide cutting-edge training and create selfemployment opportunities.



Various activities under BRTC

Training

- Diploma in Bamboo Technology
- Training to Farmers
- Bamboo Vocational Training

Technical consultancy

- Implementation of SFURTI Scheme
- Establishment and functionalization of different Bamboo Clusters.

Research work

- Bamboo flowering in TATR
- Different seed treatments on Bamboo.
- Suitable species for degraded mining land.

Bamboo Processing

- Operating 6 CFC with MAVIM
- Agarbatti Unit at Pombhurna with MAVIM

Various sales outlets

Training:

Particular	Year	Total
Short Term Trained	2015-2023	1925
DBT enrolled Students	2017-2023	74

Livelihood Generation:

Particular	Year	Total
Products prepared by CFC's and Sold via outlets	2021 to Sept 2023	77718
Total Amount of product sale to promote livelihood generation	2021 to Sept 2023	Rs. 1,04,15,411











Vocational Training













Farmers Training









Diploma in Bamboo Technology

Research work



















Technical support by BRTC in implementation of SFURTI SCHEME





Training



Soft Interventions



Exposure Visits

Product Photographs

Chandrapur Agarbatti Project (CAP), Pomburna



Outlets





Common Facility Centre





1. CHANDRAPUR



4. MUL



2. VISAPUR



5. CHIMUR



3. POMBHURNA



6. SINDEWAHI

Recognitions



Gold medal by SKOCH Group in Employment Generation.





GRIHA 'Exemplary
Performance Award' under
the Sustainable Building
Category



Bamboo Research & Training Centre

Overview:

- Capacity of more than 200 students
- Total Project cost is around 100 crore (12 million USD)
- Implementing Agency : PWD
- Project Consultant: SHiFt -Studio For Habitat Futures
- Bamboo Building constructed by Jans Bamboo

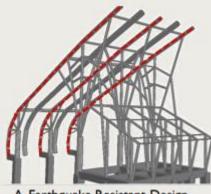
Campus area- 4.99 Ha.

- Academics
- Administration
- Hostel & Canteen

Bamboo Setum - 3.98 Ha

- Bamboo species collection
- Bamboo Nursery
- Research
- Practical Training
- Bamboo Storage

The structure is designed as per relevant Indian Standard Codes. While being bamboo, the reduced self weight and interlocking/overlapping bamboo members increase stability for earthquake and cyclone/winds.



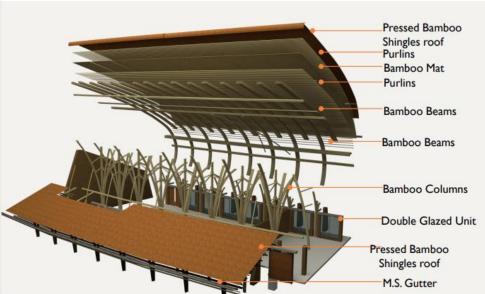
A. Earthquake Resistant Design

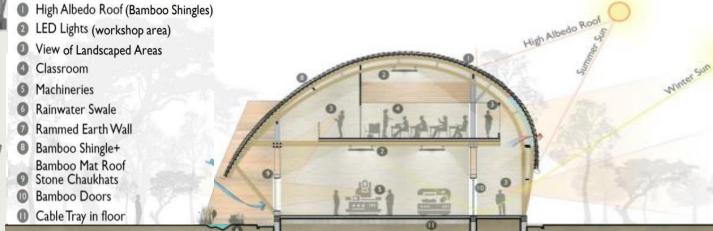


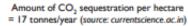
B. Reduced Self weight



C.Wind Resistant Design







4yrs of average aged bamboo (used of bamboo in age of 3yrs and 5 yrs)

=17 acres = 6.87 Hectares

Section AA (Through Academic Block)

Total Bamboo used =200,000 rmt = 50,000 plants =35000 poles of Bambusa Strictus(plants per acre 1,800) + 15000 poles of Balcoa (plants per acre 4000)

CO₂ sequestestered = 6.87 hectare x 4yr x 17 tonnes = 467 Tonnes



Business as Usual

Amount of RCC = 3000cum x 2224.8 CO₃/cum = 6675 Tonnes

Amount of steel = 450Tonne x 3800 CO₂/Tonne= 1710 Tonnes

















Thank You