Sustainable Green initiatives by The Greenply Industries

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Existing Scenario
- The availability of eco friendly indigenous Fibrous Raw material at economical viable cost is the main bottleneck for the development / survival / expansion of wood based industries in India.
  - Forest Conservation Act, 1980.
  - Land Reform Acts of various states.
  - Convention of Bio-diversity.
  - NGO’s Perception

Sustainable Solution-Greening/ Regreening
- Greenply is the pioneer industry amongst the Indian interior infrastructure companies to take various self-sustainable eco friendly green initiatives to combat the problem through development of Raw Material by promotion of replenishable large scale plantations of fast growing short rotation plywood species on marginal and degraded farm lands, essential for the survival of industry, its programmatic growth, and future expansions.

• Win Win situation

Vision
Launch a massive plantation program, emphasizing:
- Conservation of natural resources & healthy Environment
- Massive plantations with most suitable species on marginal and degraded lands
- Create tree growers and eco friendly commercial environment
- sustainable livelihoods to local inhabitants
- Continuous technology up gradation through R & D
- Eco friendly self sustainable renewal wood resource generation—Best ecological footprints
- Shift natural resource use from unsustainable exploitation to a well managed and sustainable basis.

Our Approach - Grow together
- Economic
  - Industries: Indirect generation development
- Environment
  - Ecological conservation and management
- Social
  - Maintenance of social and cultural aspects

SIZE OF TRIANGLE = INDICATOR OF SUSTAINABILITY
Our Approach… Eco Friendly

- Maintain Green cover / help national greening mission
- Soil enrichment
- Water / soil conservation
- Mitigation of green house effects through large quantum of carbon sequestration
- Cater the local needs of the people like fuel and fodder – Reduce pressure / conserve natural resources
- Promote ecological balance and keep environment healthier through plantations

Our Approach… Growers Friendly

- Demonstration of improved forestry techniques
- Promote new, site-specific, improved, low cost techniques
- Deployment genetically superior planting material
- Better financial returns from lands brought under plantation
- Continuous improvement by R&D
- Information dissemination to agrarian community
- Additional income through intercrops
- Free technical know-how from planting to post harvest stage to local inhabitants
- Perfect backward integration
- Mutual trust between tree growers and industry key to success or Social license to operate

Our approach .. Suitable Species...

- Local adaptability and fast growth
- Non-controversial / compatible to existing cropping system
- Affordable initial costs
- Short gestation period and coppicing ability
- Early, continuous and sustainable flow of Financial benefits
- Ability to enrich soil
- Most suitable wood properties for end use
- catering local needs like fuel and fodder
- Added financial benefits like medicinal value

How we move...

- Improved per unit area productivity with genetically superior planting material

Conventional seed origin

seedling origin Plantation
Unit wise site specific strategies

- India
  - Rudrapur — Uttarakhand
  - Tizit — Nagaland
  - Rajkot — Gujarat
  - Kripampur — West Bengal

- Abroad
  - Myanmar unit

Rudrapur Unit
Uttarakhand

Site specific Best genetic material for clonal propagation
Target—one million clones

Entire wood requirement is met through sustainable agro forestry source

Tizit Unit Nagaland

Greenply nursery at TIZIT—2013-14-Khokan Bogipoma
Seedlings ready for distribution

2014- Melia dubia Nursery

Clonal propagation Centre Tizit Nagaland
To attain self sufficiency in 6-7 Years

- Seedling development and distribution and plantations
- Covered 1200 acres of land
- Target for 2014-15 is to develop 5 lac saplings to cover another 1000 acres of land under plantations
- Developed demonstration / trial plots with 40 varieties
- Clonal propagation of Melia dubia started

Afforestation of denuded hills

CHAIRMAN LAPA VILLAGE COUNCIL

Rajkot Unit
Gujarat

Sustainable use of land
Intercrops for additional income

Plan for Melia, Eucalyptus and Leucaena plantations

Kripampur Unit
West Bengal

Reclamation of problematic soils
Water logged saline soils

Plan for Dysoxylon, Eucalyptus and Melia plantations

Myanmar-Overseas and
Introduction of new species
**Melia dubia Introduction..?**

A WONDER TREE

- Melia dubia-syno-
- Melia composita
- Melia superba

English Name:
 Persian Lilac, White Cedar

Family: Meliaceae

**Melia wood - Excellent for ply**

- Round logs without knots
- Peels well &produce clear veneer
- Colour light pinkish to pinkish
- Excellent grains
- Excellent Face and Back veneer
- Veneer adhesion property excellent
- Old logs gives good decorative veneer
- Veneer drying well and fast
- High quality light weight ply
- Termite resistance

**Clonal Melia dubia Plantations**

In Myanmar we plan to meet our entire Requirement in next 6-7 years-
Most sustainable venture

**If you do not grow, you are declining**

Hence
Sustainability is no more an option
but an imperative, in Greenply

Wood from agro forestry plantations is an renewable resource, and play a vital role in various natural cycles, including the water, carbon and nitrogen cycles. As a society we have the opportunity and incentive to preferentially use renewable materials that can be carefully managed to produce a perpetual supply. We also have a moral obligation to help preserve natural resources for future generations.
Suggestions & Questions

THANKS