

# GREENPLY INDUSTRIES LIMITED

## Public Summary

### **Greenply Industries Limited-Tizit Nagaland (GIL) FSC® Forest Management (FM) Plan for Farm Forestry**

<b>Project Location</b>	<b>NAGALAND</b>
<b>Type of Model</b>	<b>Farm Forestry</b>
<b>Major Species</b>	<b>Eucalyptus, Milia, Duabanga, Canarium, Terminalia</b>
<b>Total Area</b>	<b>602 Ha.</b>
<b>Total Members</b>	<b>60+</b>
<b>Group Manager</b>	<b>Greenply Industries Limited</b>

**Greenply Industries Limited-Tizit is Committed to all FSC Principles and Criteria. The detail is given in the Farm Management Plan. Also, we had conducted a systemwide analysis for any conflict between FSC principles and national and local laws of india which clearly states and signifies there is no conflict or potential conflict lies.**

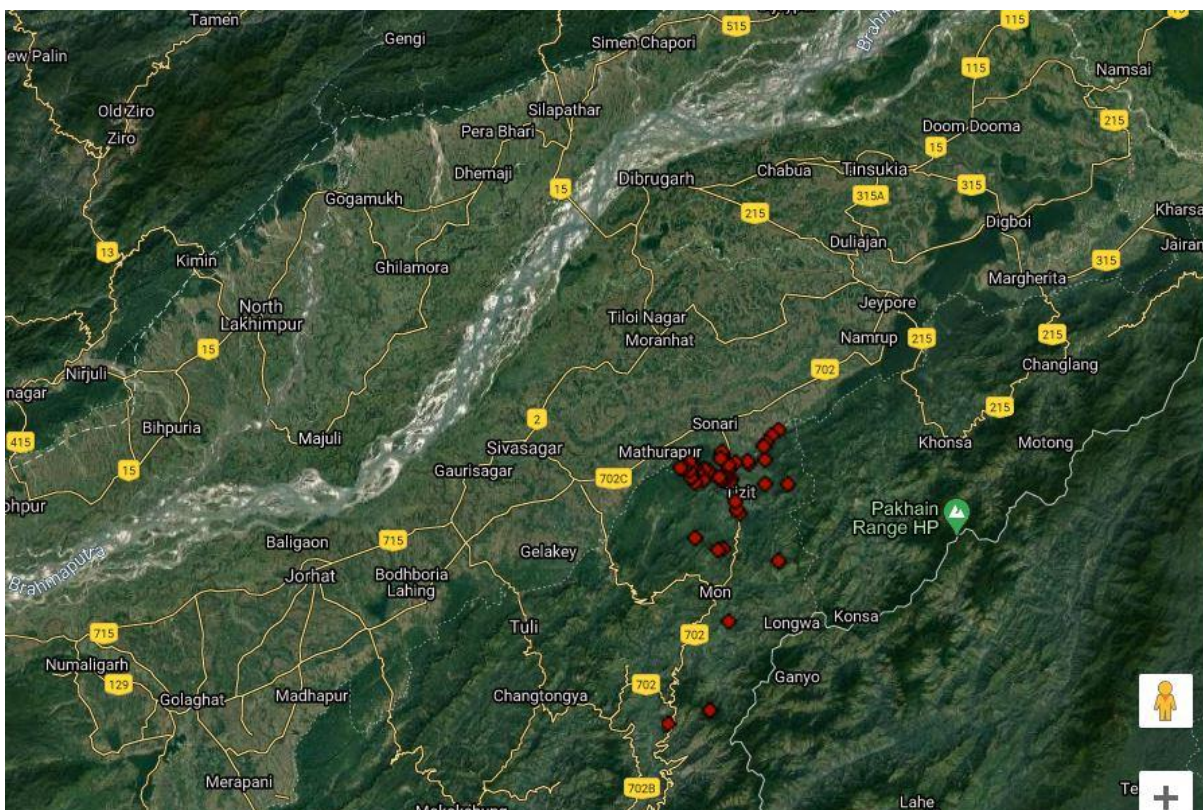
- 1. Objective:** Greenply Industries Limited-Tizit (Nagaland) had developed an Integrated Farm Management Plan/Manual with and objective of Sustainable Farm Management practices to develop and implement in the Project Area. The ultimate aim is to promote Farm Forestry in MON district of Nagaland which will enhance the quality and livelihood of the local group members associated with the project.
  - To undertake afforestation/Plantation programme on degraded/waste private lands, which are adequately not suitable to commercial agricultural crop in order to create an addition income to farmers.
  - To establish Nurseries and undertake the production of quality planting stock and distributing to farming community on behalf of any Company, Government or Non-Government Organization. To establish seed orchards for getting good hybrid seeds.
  - To undertake research and development activities in the field of forestry, horticulture and other areas. To raise or assist the farming community and others, the seedlings of Milia, Eucalyptus, Khokhan, Hollung and Plywood Timber and other species for supply to farmers on cost basis.
  - To encourage tree farming practice on marginal, sub marginal community and fallow lands to the best advantage of the farmers and to the community in large.
  - To conduct training program for all workers on annual basis or as and when required and on new induction which work towards the welfare of employees in acquisition of required skills or knowledge and for health and safety.

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- To comply with national health and safety laws and regulations. Health and safety measure taken into account in operational planning.
- To minimize the wastage associated with harvesting and on-site processing operations by using residues and doing harvesting in such a way as to minimize breakage and damage to logs, while optimizing log utilization and value.
- To avoid damage to other forest resources.
- To reduce pressures and promote the restoration and conservation of natural forests.

These farmer members are purely depending on the income from the farm forestry output. And as a group manager purpose of Greenply Industries Limited is to procure legally and responsibly, required wood based raw material, on continuous and sustainable basis from the plantations grown by small growers who produce *Eucalyptus*, *Milia Dubia*, *Duabanga Spp.*, *Canarium Spp.*, *Terminalia Spp.* Which is a raw material for the veneer for Greenply Industries Limited- Nagaland.

2. **Area and Situation:** GIL FSC FM farm forestry project is spread in 1 district of Nagaland i.e Mon district. Currently we are having an area of 602 Ha. With a farmer member base of 60 in the Mon district of Nagaland. The Head Quarter of the project is located at GIL Unit: Tizit, District Mon, Nagaland 798602. The complete 602 Ha. is spread in over 100 Km of Radius from the Project Head Quarter.



Map of Project Area

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The Complete project area is on private land of the farmers where they are only doing plantations. The adjacent lands of the existing farms in project area are of similar profile. The terrain is hilly so every farmer is not willing to take up the plantation.

3. **Total Area & Number of Beneficiaries:** The Plantation is taken up in 602 ha area with 60 beneficiaries.
4. **Planted Species:** The Plantations are raised with Clones of *Eucalyptus tereticornis* Smith, *Eucalyptus camaldulensis* Dhen. are also planted in the project area. *Milia Dubia*, *Canarium Spp*, *Terminalia Spp*, *Duabanga Spp*, *Docynia* are the other species promoted by Greenply Industries Limited and included in the present project for certification. All these species are already growing well in natural conditions so they are taken up for the plantations.
5. **Year of Plantation:** We at Greenply Industries Limited started the farm forestry operations in the year 2013 and in the current Farm Management plan we have considered the plantations done till Nov 2020 he plantations in the project area. Future plantations, which would be raised and managed as per management plan prescriptions, would also be considered additionally in the coming years and revision of the Farm Management Plan.
6. **Farm Management Plan Period:** Greenply Industries Limited-Tizit FSC FM farm forestry plan period is for 20 years i.e., from 2012 to 2032.
7. **Harvesting Plan & Raw Material Expectancy:** We are planning our first harvesting in Dec 2021. As the maturity date of Plantations plant in year 2013-14 is falling in Dec 2021. We have developed and complete harvesting plan and expected some 25000 MT of wood in year 2021-2022 of various species out of which the major wood species will be off Eucalyptus and Milia Dubia. The detailed Harvesting plan is prepared and approved by the management. If we will take an average our expected yield would be somewhere around 225 MT per Ha. Future plantations raised and managed as per plan prescriptions, would be considered for additional quantity of wood under FSC FM certification system. We will use the Mix of selective felling and Clear felling in case to case on basis of species. For Eucalyptus we will used clear felling and for rest species we will use selective felling. Generally used tools for harvesting are Axe and in very rare case motorised chain saw.

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8. **Biodiversity/GMO/HCV/Endangered & Threatened Species:** In the Project Area of Greenply Industries Limited farm forestry plan, ample Agro Biodiversity exists. There are more than 4-5 clonal varieties of eucalyptus, and Milia seedlings Exist which are used to distributed among the existing and new farmers for the plantations. We had developed a complete centralized Nursery to control all kind of variations in the existing species. We are also Maintaining and Reserve Sample Plot (RSP) with Association of Regional Forestry Research Institute for the purpose of Natural Regeneration, Growth, Yield and Bio Diversity Data. The trees and species in the RSP are considered for conservation. All our Existing farm forestry operations are on privately owned land of the farmer members. The eucalyptus, and Milia are exotic species and not endangered and threatened species. As a matter of policy, we are not doing any gene alterations, Genetic Hybridization and Using an GMO (Genetically Modified Organism) in our project area. The Farms here appears some kind of Natural Vegetation, but this is only in winters and rainy seasons due excessive rains and humidity. In summers it is clear. These Plantations under the project area are also not a part of HCVF. We had deployed the various Mechanism to figure out any HCV in the project area, but we haven't found any yet. In future if we will find we have a separate HCV conservation plan and policy under which it will be maintained.
  
9. **Partnership with Third parties and Research Institutes:** Greenply Industries Limited -Tizit FSC FM farm forestry project, a Group Manager (Forestry Advisor) is designated by the VP - Farm Forestry of GIL -Tizit unit. Various committees (Management / Monitoring and Evaluation Committee, GIS & GPS Mapping Committee, Communication Committee, Harvesting Committee, Health and Safety Committee) will function under the Group Manager to carry forward the task of Farm Management. The Regional Rainforest Research Institute will be partnered with Greenply Industries for Better clones, and Research to be conducted on various parameters of Monitoring and evaluation.  
  
Local NGO will co-ordinate the work with Greenply Industries Limited-CSR team for livelihood, Health, Education and Employment concerns of the local peoples. For the Farm Forestry agreements are drawn between GIL & Farmers (consent letter) for taking forward the FSC FM programme consent declaration is obtained from the farmers. For all Internal Auditing and Monitoring and Evaluation we had contracted Third parties like Nairaa Traicon (For Internal auditing, Monitoring and Evaluation)
  
10. **Silviculture and Management:** The Silviculture Management practices in GIL project area addresses raising and maintenance of Eucalyptus, Milia, Duabanga, Canarium and Terminalia plantations. The Felling cycle for eucalyptus & Milia is considered at 6-7 year, for each of the main and selective felling method will be used without clear cut. While for Canarium, Duabanga, Terminalia felling cycle is considered at 8-10 Year with

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Selective felling and clear cut. The yield for the plantations in the FM area is 220-240 MT/Ha. For monitoring of the plantations, 1 sample plots laid. Productivity monitoring data (Current Annual Increment - MT/ha) for the year 2019-20 is tabulated below:

Age	Eucalyptus	Milia	Duabanga
1	3.7	2.2	2.6
2	7.4	4.9	5.1
3	13.2	11.4	12.5
4	15.6	15.3	16.3
5	16.9	20.4	18.4
6	-	21.2	20.8
7	-	19.1	21.1
TOTAL	<b>56.8</b>	<b>94.5</b>	<b>96.8</b>

11. **Acts & Rules:** The applicable Acts & Rules to the GIL FSC FM farm forestry area are listed and Annexed in Farm Management manual.

12. **Chain of Custody Procedures:** The Raw material/ wood procurement process with Farmer Members from the GIL FSC FM farm forestry area formulated. All procured wood is initially used for own consumption of Greenply Industries Limited for manufacturing of Plywood and other wooden items. May be at some later stage we can sale the FSC 100% Raw Material/Semi-Finished Material (Veneer) to our other units across india or some other interested parties. For this we have very well defined COC procedures in our manual.

13. **EIA and SIA Study:** As the Project area is Ver small and SLIMF standard is applicable This year we haven't conducted any EIA and SIA study on plantations in Nagaland. But it can be physically verified by various agencies and can be heard from local community peoples that our plantations have various positive impact on the environment as well as on the socio-economic well-being of farmers.

Most of environmental indicators such as soil conservation, moisture conservation, impacts on flora & fauna assessed based on feedback from farmers were found to be positive. Soil nutrient & fertility levels have improved in the lands where plantations are grown and has resulted in significant reduction in soil erosion. Requirement of fertilizer to the plantation is less than the agricultural crops. No change in the ground water levels due to the plantation were observed. Wildlife species come to plantations from nearby forest areas more frequently as compared to agriculture cropped areas. Plantations meet the fuel wood requirement of the farmers and grazing needs for the livestock which reduces pressure on forest.



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On social impacts of plantations, it was observed that social status of small and marginal farmers has improved. There is a positive impact on socio economic conditions of farmers through employment, education & lifestyle after taking up plantations. Income of the farmers has been increased after adopting plantations. We will conduct EIA & SIA Study in second year of the project which will be a reference for the next 4 years. As a matter of fact, and policy we will conduct EIA & SIA once in a five year. Which will be available in public domain for ready reference reckoner for all stakeholders.

13. **Replantation and Nursery Management:** Greenply Industries have developed our own expertise in Nursery management. We will produce our own plants and saplings and will distribute to our farmer members for the purpose of plantation. We have set a target to distribute at least 1 Million Saplings/Plants every year through our own nurseries. We have also developed a mechanism for casualty replacement in existing farms of the GIL FSC-FM project area.
14. **Health and safety:** No such cases or concern are not reported yet but our staff and Sector officers are enough equipped to deal with them. No Complaints had been yet received but our staff is equipped with the complaint handling mechanism and grievances redressal mechanism according to intensity and frequency.
15. **Training and Development:** We at Greenply Industries limited-Tizit believe in complete training a development of manpower and farmer members. In continuation to that we had developed a very detailed training plan and calendar. According to which all training and development sessions will be conducted. Last year we had done some 10 training sessions in the project areas for various farm management and FSC parameters. Training Needs are assessed for farmer members and Sector wise training is imparted to farmers according to the training calendar by various experts.
16. **Chemicals/Pesticides and Illegal Harvesting:** In our GIL FSC FM Plan we had very clear-cut policies for use of chemicals/pesticides and illegal harvesting. Our complete operations are policy based and this year no illegal harvesting concern or issue is reported and no use of any kind of Chemical or pesticide is reported.
17. **Monitoring and evaluation:** Greenply Industries will have all Monitoring procedures on place. We have developed a mechanism for all parameters monitoring and then we had deployed a third party to verify those. All results of Monitoring and evaluation will be incorporated in the Farm Management plan. GIL is constantly monitoring the forest growth. Our Sector in charges are keep visiting the farms and for sampling the monitored growth we are taking up in Reserve sample plot.

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All above information is true as per GIL Farm Forestry management. Stakeholders and general public can verify the above information at Headquarters of Greenply Industries Limited Unit Tizit Farm Forestry operations at Tizit. The Internal Monitoring and Auditing will be done by a third party "NAIRAA TRAICON".

Date: 01/03/2021

GROUP MANAGER

Greenply Industries Limited