

SHIVANGI INDUSTRIES

Public Summary

Shivangi Industries (SI) FSC® Forest Management (FM) Plan for Forest Management

Project Location	India
Type of Model	Social and Farm Forestry (Mixed)
Major Species	<i>Mangifera Indica</i> (Mango) <i>Azadiracta Indica</i> (Neem) <i>Acacia Nilotica</i> (Babool) <i>Acacia Mangium</i> , <i>Acacia Catechu</i> (Kaira), <i>Acacia Aculeiformis</i> <i>Tectona Grandis</i> (Teak), <i>Dalbergia Sissoo</i> (Sheesham) <i>Dalbergia Latifolia</i> , <i>Eucalyptus Globulus</i> (Nigiri) <i>Eucalyptus Citriodora</i> , <i>Eucalyptus Tereticornis</i> , <i>Casuarina Equisetifolia</i> , <i>Anacardium Occidentale</i> (Cashew), <i>Swietenia Mahogani</i> (Mahogany) <i>Khaya Anthotheca</i> (Lambu) <i>Dendrocalamus Strictus</i> (Bamboo) <i>Shorea Robusta</i> <i>Shorea Assamica</i> (Sal), <i>Albizia lebbek</i> (Sirish) <i>Albizia Procera</i> , <i>Neolamarckia cadamba</i> (Kadamba) <i>Authocephalus cadamba</i> <i>Terminalia Arjuna</i> (Arjun) <i>Terminalaria Tomentose</i> <i>Terminalaria Myriocarpa</i> <i>Holoptelea Integrifolia</i> (Chilbil) <i>Prosopis Specigera</i> (Khejdi)
Total Area	2665 Ha.
Total Members	205
Group Manager	Shivangi Industries (SI)

Shivangi Industries (SI) 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.

- Objective:** Shivangi Industries (SI)- 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 Social and Farm Forestry in Various parts of india 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

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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 Hard wood and soft wood timber 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.
- 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 forestry operations. And as a group manager purpose of Shivangi Industries (SI) is to procure legally and responsibly, required wood based raw material, on continuous and sustainable basis from the plantations grown by small growers who plant and produce Scope species Which is a raw material for the Furniture, Handicraft, Pulp and Paper and Plywood industries.

2. **Area and Situation:** Shivangi Industries is based in Rajasthan and having operations more than 6 states of India (Maharashtra, West Bengal, Rajasthan, UP, Karnataka and Gujarat) the FSC FM project is spread in various states of india although we have other plantations also. The entire operations are divided in 3 sectors and currently we are having an area of 5000+ Ha on all private leased farm lands. With an associate member base of 250 + and tend to touch 650 by this year 2022. The Head Quarter of the project is located at Shivangi Industries Jaipur. The Complete 3000+ Ha. Is spread in over 100 Km of Radius from the Project sector Head Quarter. 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. Their other major source of income is NTFP, s other then TFP, s.
3. **Total Area & Number of Beneficiaries:** The Plantation is taken up in 3000+ ha area with 250+ beneficiaries.

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4. **Planted Species:** The Plantations are raised of the following species Mangifera Indica, Azadiracta Indica, Acacia Nilotica, Acacia Mangium, Acacia Catechu, Acacia Aculeiform, Tectona Grandis, Delbergia Sissoo, Delbergia Latifolia, Eucalyptus Globulus, Eucalyptus Citriodora, Eucalyptus Tereticornis, Casuarina Equisetifolia, Swietenia Mahogani, Khaya Anthotheca, Dendrocalamus Strictus, Shorea Robusta, Albizia lebeck, Albizia Procera, Terminalia Arjuna, Terminalia Tomentosa in the present project for certification. All these species are already growing well in natural conditions so they are taken up for the plantations as well.
5. **Year of Plantation:** The plantation was done in year 1980-1990 for all hard wood species and other short life species were planted in year 2014-16. In the current Farm Management plan, we have considered the plantations done till Nov 2020 from back date. 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:** Shivangi Industries (SI) FSC FM plan period is for 10 years i.e., from 2019 to 2029.
7. **Harvesting Plan & Raw Material Expectancy:** We are planning our first harvesting immediate after the FSC certification granted. As there are many trees which are mature and ready to harvest. We have developed and complete harvesting plan and expected some 20,00,000 CFT of timber of various species but majority will be mango, Acacia and Teak. The detailed Harvesting plan is prepared and approved by the management. If we will take an average our expected yield would be somewhere around 9,750 CFT 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 both type of felling system selective felling and Clear felling on basis of species. Harvesting will be manual and mechanized both.
This year we had harvested some 2,00,000 CFT of wood from all species in 2 sectors
8. **Biodiversity/GMO/HCV/Endangered & Threatened Species:** In the Project Area of Shivangi Industries (SI), ample Agro Biodiversity exists. There are more than 4-5 clonal varieties of Mangifera, Teak, Delbergia, eucalyptus, and Albizia 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 have also identified an Reserve Sample Plot (RSP) with Association of Regional Agriculture University and 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 forestry operations are on privately owned land of the farmer members. All the species which are in our scope are exotic species and not endangered and threatened species. As a matter of

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policy, we are not doing any gene alterations, Genetic Hybridization and Using an GMO (Genetically Modified Organism) in our project area is strictly prohibited. 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 consist of HCF (4 & 6) which we are conserving and Monitoring. We had deployed the various Mechanism to figure out any HCV in the project area and this is an ongoing proves. In Near future if we will identify any HCV it will be monitored and conserved as per the policy.

Shivangi Industries has appointed a third-party auditing body for internal auditing, Monitoring, HCV Identification, RTE identification and Impact assessment of Farm Management activities on Society and Environment. The TPA body has submitted this year report. The next year Farm Management activities will be planned keeping all observations, suggestions and conclusions in mind for the betterment.

9. **Partnership with Third parties and Research Institutes:** Shivangi Industries (SI) FSC FM forestry project, a Forestry Advisor is designated by the Group Manager. 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.

Shivangi Industries is coordinating with local NGO in all 3 sectors for livelihood, Health, Education and Employment concerns of the local peoples. For the Membership agreements are drawn between SI & 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 SI project area addresses raising and maintenance of various Hard and soft wood species plantations. The Felling may vary from species to species. The yield for the plantations in the FM area is estimated about 12500-15000 CFT/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/Acacia	Mango/Mahogany	Teak/Delbergia
1	3.7	2.2	2.6
4	12.6	8.7	6.2
8	15.8	13.5	11.1
16	20.1	16.3	14.2
24	NA	24.3	19.3
32	-	31.9	28.2
40+	-	34.6	30.1

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11. **Acts & Rules:** The applicable Acts & Rules to the SI FSC FM Social 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 SI FSC FM farm forestry area formulated. All procured wood will be initially processed /Sawn/ Seasoned and chemically treated and then will be sold to Furniture/Handicraft/ industry and Unprocessed wood will be sold to pulp and paper industry. May be at some later stage we can sale the FSC 100% Round logs to other processors and industries also. For this we have very well defined COC procedures in our manual.
13. **EIA and SIA Study:** As the Project area is Very small and SLIMF standard is applicable This year we haven't conducted any EIA and SIA study on our project area, but impacts are very well defined and measured and written in the management plan. Even if there is any negative impact of our operations on society/Environment we are committed to overcome these negative impacts. 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.

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 3 years. As a matter of fact, and policy we will conduct EIA & SIA once in a 2 year. Which will be available in public domain for ready reference reckoner for all stakeholders.

14. **Replantation and Nursery Management:** Shivangi Industries (SI) have its own nursery operations, from where we will produce good quality of seedlings and trees 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 25,000 Trees every year through our own nurseries. We have also developed a mechanism for casualty replacement in existing farms of the SI FSC-FM project area. This year we had planted some 1200 matured trees of various species in our project area.

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15. **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. This year health and safety policy is revised and covid-19 protocols were implemented in field and staff level to ensure the protection through virus. Vaccinated staff and field workers are on priority.
16. **Training and Development:** We at Shivangi Industries (SI) 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. This year we had done some 16 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.
17. **Chemicals/Pesticides and Illegal Harvesting:** In our SI 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. List of used chemicals and guidelines are mentioned to avoid any adverse impact on human-health and biodiversity.
18. **Monitoring and evaluation:** Shivangi Industries (SI) 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. SI is constantly monitoring the forest growth. Our Sector in charges is keep visiting the farms and for sampling the monitored growth we are taking up in Reserve sample plot. Shivangi Industries has appointed a third-party auditing body for internal auditing, Monitoring, HCV Identification, RTE identification and Impact assessment of Farm Management activities on Society and Environment. The TPA body has submitted this year report. The next year Farm Management activities will be planned keeping all observations, suggestions and conclusions in mind for the betterment.
19. **HCV & RTE Species:** We had deployed various mechanism to identify and conserve the High Conservation Values and Rare, Threaten and Endangered species. For this we had involved experts from Nairaa Traicon (An HCV and Environmental consulting and research firm). No HCV, s RTE are identified this year by third party auditing agency.

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20. This year we had added one more sector Rajasthan in our group management scope. Also, we had added 2 site offices (One in Maharashtra and one in west Bengal) in our existing Group Management scope. The project area is doubled from last year.
21. All Records related to FSC will be maintained for next 5 running year.
22. HCV identification, social impact and Environment impacts of the farm management is studied by third part and report is produced to the management.
23. No complaints received from any of the stakeholder. No Accidents and incidents reported this year.
24. Last year all non-Conformities issued by Auditing body SCS was all closed by the group manager.
25. No chemical use was done and same has been conveyed to maintain for the next 5 years.
26. Maximum Group Number is now Limited to 950 members only.

All above information is true as per Shivangi Industries Forest management planning and implementation. Stakeholders and general public can verify the above information at Headquarters of Shivangi Industries (SI) Forestry operations.

The public summary will be updated every year.

The Public summary is prepared by Group Manager on 15th April 2022. And will be displayed at all section offices/Training sessions/ Websites/ Offices and Outsourcing units.