

Innovative Solutions Developed by Omega Green Solutions in the Rubber Nursery Sector



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Major Challenges and Solutions in Rubber Nursery Development in North East



- ❖ Hardly any Nursery in North East in 2021 when the project started due to **Lack of Technical Know How, Skilled Labour & Infrastructure**. Except for a few nurseries in Tripura



- ❖ **Omega Green Solutions**, established its first nursery in an area of about 10 Ha in Chayigaon area in Kamrup Rural District of Assam state by bringing Nursery Experts from other parts of the country. Later the activity was further extended to 70 more Ha in different parts of NE. **Recruited local labourers. Trained & empowered them with better skills and work culture. Provided year round employment.**

- ❖ Today there are many Nurseries in North East with **proper infrastructure including advanced irrigation systems** which can supply 75% of the planting material need from the local nurseries.

- ❖ From year 2 onwards, new entrepreneurs and investors from North East and other parts of the Country started new projects in establishing Rubber Nurseries. On seeing the potential, about 15 entrepreneurs started new nurseries in different parts of North East



Major Challenges and Solutions in Rubber Nursery Development in North East



- ❖ Bud wood mother plants were not available in Guwahati zone. Multiple Challenges with regard to seed availability. Root Trainer cups and Cocopeat were not available in NE



- ❖ Budwood of RRIM 600 variety is available in Tripura State. The budded stumps purchased from Rubber Board (RRIM600, RRIM 430 and RRIM 429) were grown into bud wood mother plants for making available sufficient quantity of bud wood material for bud grafting.

- ❖ To ensure quality we have brought seed , bud wood and stumps by flight.

- ❖ Omega Green Solutions has developed an innovative cocopeat mix with beneficial microbes and other physical conditioner which is giving good growth in the root trainer cup and better establishment in the field



- ❖ In North East normally planting material preparation takes minimum two years from seed. Now by sourcing seed from other centres and by resorting to young bud program we are preparing quality planting material in less than one year period.

Major Challenges and Solutions in Rubber Nursery Development in North East



- ❖ Logistic Challenges-Difficult Terrain & Lack of proper roads
- ❖ As the winter is severe in NE, no nursery activities are possible during the period from December to February. Only life saving irrigation is done during the winter season.
- ❖ Local people were cultivating seasonal and annual crops which is seriously effected by climate related and other challenges and most of this activities have become unproductive



- ❖ Smaller Vehicles are used. Root Trainer Cups being very light & small is carried even in two wheelers
- ❖ Omega Green Solution has also developed nurseries in places where winter is not a challenge to ensure continuity in operation and timely supply
- ❖ Lots of farmers are now able to convert their unproductive farm land to rubber plantation thereby ensuring an opportunity for better and confirmed income in their field.



Socio economic impact



- ❖ Socio economic impact of rubber nurseries : At least 10000 people got direct employment in the rubber nurseries throughout North Eastern states. The rural people who had only seasonal jobs are getting regular income throughout the year.
- ❖ A large extent of land which was kept vacant could be utilized for these nurseries.
- ❖ Along with the nursery activities, a large number of allied activities are also taking place such as seed collection, logistics, tea stall/ hotel business, construction etc
- ❖ Construction of new shops and houses (of the nursery employees) are taking place in the rural areas. To cater to the skilled labour from South India, South Indian food was introduced for them in the tea shops in the interior villages near the nurseries.
- ❖ In many families, both husband and wife are employed in the nursery. This is giving a stable and substantial income to the family. They are renovating their houses. Buying two wheelers . Spending more on children's education.
- ❖ The wages are paid directly to the bank account. Hence a banking culture also could be inculcated among the workers.
- ❖ As more rural women are employed, women empowerment could also be made possible due to this activities.
- ❖ Get together for the employees are also arranged at regular intervals so that they are getting a chance to exhibit their talents/ skills.

Socio economic impact



Women Employment



House renovation



Cultural Activities



Own Vehicles



Tea Stalls



Thank you!