



ផ្ទាល់បណ្តុះ: គូនឈើមរកត ភូមិសែនរុងរឿង១ ឃុំទឹកក្រហម ស្រុកជាំក្សាន្ត ខេត្តព្រះវិហារ



MOROKOT NURSERY AT SENRONG REUNG 1 VILLAGE, TEUK KRAHUM COMMUNE, CHOAM SKANT DISTRICT, PREAH VIHEAR PROVINCE

The installation of **Morokot** nursery was started at the end of 2014 and completed in 2015, which was funded by the Government of Japan through ITTO and JICA. The nursery with size of 30m X 47m X 3m was set up on 7,500 m² of land area, which is able to produce 85,000 seedlings/year. The main objectives are to produce and deliver those commercial trees and fruit plants to local communities, and rehabilitate degraded forestland in the Preah Vihear Protected Forest.



Producing Seedlings

Producing commercial trees and fruit plants has 4 main steps: (1) packing mixed soil in plastic containers, (2) seed treatment, (3) seeding, and (4) transplanting seedlings.

Packing mixed soil in plastic containers: mix 60% of soil, another 20% of cow manure, and the other 20% of husk ash.



Soil packing activities

Seed treatment: it depends on type of trees. For example, that is enough to soak in normal tempered water just one night for seeds of *Dalbergia cochinchinensis*; for *Azelia xylocarpa* and *Sindora cochinchinensis*, seeds need to be broken and then soak in normal tempered water for two nights.



Seed treatment of *Dalbergia cochinchinensis*

Seeding: after treatment, seeds must be spread in fine sandy soil, keep those in wet cloth, or seed each of them in topsoil in a plastic container. We have to spend 3-7 days examining emerging of seeds.



The 3-day emerged seeds of *Dalbergia cochinchinensis*



Seeding of *Azelia xylocarpa* in plastic containers

Transplanting seedling: after planting, seeds may emerge with 2-3 young leaves, transplant those in topsoil in plastic containers.



Transplanting seedlings in top soil in plastic containers

Nursery management: in dry season, all seedlings were daily irrigated, weeded, fertilized, and brought out for sunlight. Today, the nursery is containing 52,885 seedlings, including 13 high-valued commercial and fast-growing tree species and 11 fruit tree species)

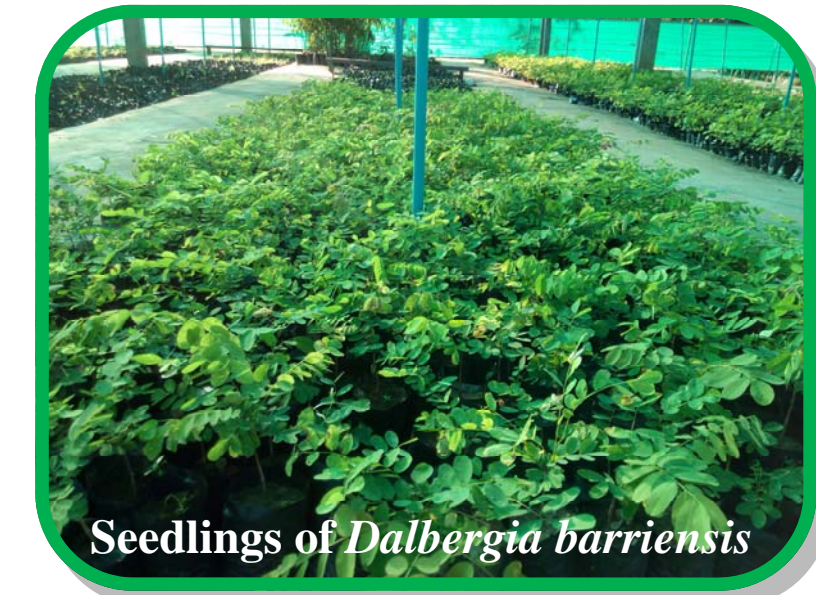
So far, there have been 34,280 commercial tree seedlings produced and another 100,223 trees bought (45,084 fruit plants and 45,239 commercial trees).



Seedlings of *Dalbergia cochinchinensis*



Seedlings of *Azelia xylocarpa*



Seedlings of *Dalbergia barriensis*



Seedlings of mango



The experimental nursery breeding and cultivating decorative species

Reforestation and Distribution of Commercial Trees and Fruit Plants

- The project has distributed 76,098 trees (27,415 commercial trees and 48,683 fruit plants) to local authorities, communities, and army families living in and around the Preah Vihear protected forest in order to be planted as agro-forestry home garden.
- In addition, the project has provided plenty of trees to be planted by honorable guests participated in a meeting of the 37th Session of the UNESCO World Heritage Committee.
- Moreover, there were many commercial trees and fruit plants given to local authorities and communities to be planted along the road across the villages and public areas such primary school and health centers.
- Lastly, there were 5,520 trees (2,473 high-valued commercial trees and 3,047 fruit plants) planted and mixed together as agro-forestry model on 5 ha of degraded forestland rehabilitation plots.



A ceremony delivering fruit plants to local army families.



A ceremony delivering commercial trees and fruit plants to the 9th Infantry Brigade.



A practical demonstration of how to plant a tree for primary students.



Provincial abort day and tree planting ceremony at Thomacheat Samdach Dacho village with participation by honorable guests of the 37th Session of the UNESCO World Heritage Committee.



High-valued commercial, fast-growing, and fruit trees delivered to local communities and army families to plant using agro-forestry system.



Activities planting trees as fencing around the pond donated by the project.



Tree distribution and collaborative tree planting with soldiers and local communities.



គម្រោងគ្រប់គ្រងព្រៃការពារតំបន់ត្រីកោណមរកតដើម្បីលើកកម្ពស់កិច្ចសហប្រតិបត្តិការអភិរក្សជីវចម្រុះតាមបណ្តោយព្រំដែននាប្រទេសថៃឡង់-កម្ពុជា-ឡាវ ជំហានទី៣ (ផ្នែកកម្ពុជា)

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