



Promoting Quality Timber Production in Smallholders and Community-based
Teak and Other Valuable Species Plantations in the Tropics
(PP-A/54-331A)

NATIONAL CONSULTANT #4: EFFICIENT TEAK WOOD TRANSPORTATION AND PROCESSING (THAILAND)

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10-12 November 2025

Specific activities

- Prepare a program for a five-days **group training**, including classroom presentations/discussions and field demonstrations on **1) minimizing harvesting loss, efficient transport and processing** of teak round-wood, **2) equipment maintenance, waste disposal and storage of forest products**, that are *tailored to the needs of rural communities* and has the *objective to improve efficiency, product quality and product design*
- Assist in the capacity building program for researchers, scientists and local communities, as and when required
- Assist in other activities assigned by the Thailand National Coordinator and Regional Project Manager
- **Work with the Consultant#4 for India** Component to compile all results and findings of each training event, incl. recommendations for follow-up actions, in a technical project report in the English language to be submitted to the Regional Project Manager
- Available to provide recommendations and advises to National Coordinators, PTC members (if any).
- Undertake international travel, as and when required

Work plan

(1 March 2024 - 31 October 2026, 1 Man-month)

2024

2025

2026

- ✓ • Participated in the capacity building program
- ✓ • Participated in the ITTO-BMLEH Webinar
- ✗ • **Organize the training regarding Efficient Teak Wood Transportation and Processing** *(December 2025)*

- ✗ • **Organize the training regarding Efficient Teak Wood Transportation and Processing** *(March 2026)*
- ✗ • Compile all results and findings of each training event, incl. recommendations for follow-up actions, in a technical project report
- ✗ • Technical note/ Research

Training workshop “Precision Forestry with Digital Tools: From Stand Measurement to Efficient Wood Flow”

Collaborate with Dr.Ani A. Elias

- **Training objectives**

- ***Know what digital forestry tools*** are (like mobile LiDAR and AI) and why they are useful.
- ***Collect tree/log data*** using a phone or handheld scanner in the field.
- ***Turn the scan into a 3D model*** and clean it up for use.
- Measure tree size and stand information (DBH, height, density) from the 3D data.
- Use simple machine learning/AI tools to help identify trees or analyze logs conditions.

- **Target group**

- RFD
- FIO
- Forest managers
- Timber industry
- etc

- **Schedule**

- March 2026

Tree Identification – Darknet framework

- Compatible framework
 - Fewer manageable configuration
- Work in low-computational devices
 - Eg., Mobile phones

