



FMB Technical Bulletin No. 10

STANDARD SEEDLING COST AND UNIT COST OF ACTIVITIES OF THE NATIONAL GREENING PROGRAM (NGP)

1 The Technical Bulletin:

This Technical Bulletin enumerates the different activities of the National Greening Program and its corresponding cost as well as the cost of seedlings by commodity in order to have a standard, orderly and effective implementation of the program.

2 Users of Technical Bulletin:

The users of the bulletin are personnel of DENR, LGUs, forest communities and other stakeholders who are primarily involved in planning, implementing and managing forest resources and forest lands.

3 NGP Activities and Corresponding Cost for CY 2014:

- Survey, Mapping and Planning (SMP) of NGP sites should be conducted by the PENROs and CENROs concerned in accordance to the FMB Technical Bulletin No.1.

The potential NGP sites will be derived from the 2010 land cover from NAMRIA. These pre-identified areas will be used in identifying potential areas for 2014-2016 NGP sites and must be validated on the ground using a hand held Global Positioning System (GPS). However, the Fiscal 2014-2016 NGP site identification is not limited to the identified predetermined areas but also include areas based on actual field validation. The validated NGP sites should follow the standard attribute table set for NGP for FY 2014-2016.

Each NGP planting site should be assigned an NGP code. NGP code is a numeric identification that represents the following: year of plantation establishment (YY), DENR field office with jurisdiction of the site following the Philippine Standard Geographic Code (PSGC), planting site identifier (NNNN) and area of planting site (AAAA).

- To support or strengthen activities on the ground, complementary IEC initiatives will be done, along with advocacy and social mobilization as appropriate.

The conduct of information, education and communication campaign should be localized at the PENRO/CENRO level. Funding allocation should be utilized for community meetings and consultations with NGP partners, local government units and CBFM peoples organizations engaged in NGP implementation. This is to increase local awareness and encourage community support to the National Greening Program.

- The DENR field offices shall engage CBFM-POs, and other people-oriented partners in comprehensive site development (seedling production, site preparation, plantation establishment and maintenance and protection). Site preparation include strip brushing, hole digging and staking in the target area. Hauling the required number of seedlings from the nursery to the planting site shall be done not earlier than one week before the planting schedule.
- The conduct of regular maintenance which include weeding/brushing, fertilizer application, replanting and protection activities (fire breaks or green breaks construction and foot patrol) up to the third year shall have corresponding fund support. From the fourth year onwards, maintenance and protection shall be the obligation of the tenure holder. The plantation should attain a minimum survival rate of 85% up to the third year, otherwise replanting should be undertaken.

Hereunder are the activities of the National Greening Program and corresponding cost:

Activities	Unit of Work Measure	Unit Cost
Site Validation, Assessment and Planning	ha	Php 450
Social Mobilization		
Site Preparation (hauling, hole digging, brushing, etc.) and Planting	ha	Php 3,000
IEC/Transportation/Mobilization of Partners	ha	Php 1,000
Maintenance and Protection of Established Plantations		
-1st year	ha	Php1,000
-2nd year	ha	Php3,000
-3rd year	ha	Php2,000

4 Cost of Seedlings for CY 2014 by Commodity

The NGP will continue to use quality planting materials to ensure high survival rates and good quality plantations. The budget per hectare allocated for seedling production depends on the species/commodities to be used under the NGP Commodity Road Map.

Density (# of seedlings, propagules or culms/ha)	Species	2014 Cost	
		Unit Cost (Php)	Per Hectare
500	Indigenous	12	6,000
500	Fast Growing	10	5,000
1000	Fuelwood	6	6,000
500	Coffee (from seeds)	12	6,000
	Coffee (Luzon) - Clonal Propagation*	20	10,000
	Coffee (Visayas) - Clonal Propagation*	18	9,000
	Coffee (Mindanao) - Clonal Propagation*	15	7,500
500	Cacao (budded)	25	12,500
500	Rubber (from seeds)	15	7,500
	Rubber (budded)	35	17,500
200	Bamboo	35	7,000
500	Rattan	20	10,000
2500	Mangrove (Propagule)	3	7,500
2000	Mangrove (Potted)	15	30,000
200	Other fruit trees (grafted)	25	5,000
400/ha or km	Urban Greening (saplings)**	75	30,000

*includes cost for transportation

**only for key cities

