



No PLN/MBDA/02950/2024/NF/2375

Dated: Shillong, the 20th May, 2025

Office Order

Sub: Guidelines and Cost Norms for raising Community Bamboo Nursery

Enclosed herewith are the cost norms for raising a 10-bed community bamboo nursery. These norms are based on the Minimum Wage rate for unskilled labour as notified by the Labour, Employment & Skill Development Department, Govt. of Meghalaya vide Notice No. LE&SD. 9/2023/Pt/5-A dt 3rd December, 2024 (i.e., Rs. 419/- per person day).

24 existing community nurseries have been selected for raising bamboo nursery from seeds. List of the selected community nurseries enclosed at **Annexure-1** for reference.

The following are the steps to be followed for raising a community bamboo nursery in the existing nurseries-

Step-1

Bed preparation-

Use three layers of bricks (30 cm height) or locally available flattened bamboo strips to edge the beds. The size of the beds will be as same as existing community nursery beds (13 m x 1.3 m x 0.30 m).

Medium of Sowing-

The propagation medium should be a mixture of soil, sand and compost (1:1:1). The ratio can be altered depending on the soil type. [e.g. in the case of sandy loam soil, medium can be soil and manure mixture (3:1)]. The soil mix shall be treated with Bavistin (Carbendazim 50% WP) (2mg shall be mixed in 1 lit. of water) to avoid fungal infestation.

Step-2

Seed Treatment-

It is advisable to sow the seeds immediately after collection. Delay in seed sowing will result in a rapid loss of viability. Before sowing, it is necessary to soak the seeds in normal water (overnight), remove the floating seeds and only sow the seeds that have settled at the bottom.

Step-3

Sowing of seeds

Create a shallow trench or holes in the seed bed using twigs or fingers (≈5 mm deep).

Place the seeds shallowly beneath the soil and ensure that they are not exposed

Refill the trench with the displaced soil.

It is important to keep the seedbed moist, and therefore, daily watering is advised.

Beds shall be covered with 50% shade net.

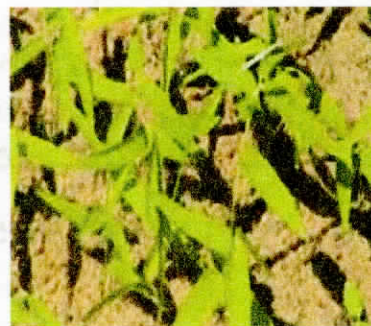


Step-4

Transplantation of seedlings-

Seed germination starts after 5-7 days and continues up to 25 days. The plants can be transplanted as soon as the seedlings attain the stage of having four to six leaves.

Keep the potting medium filled in polybags before removing seedlings from the mother beds. Water them thoroughly to enable the settling of the soil medium



Step-5

Maintenance-

Daily watering and regular weeding are necessary to maintain the health of seedlings.

Approximately six- to nine-month-old seedlings are most suitable for planting in the field.

Keep the seedlings **in partial shade (50-75%) shade nets for one to two months**. The seedlings must be exposed to direct sunlight for at least one month (all shade should be removed) before planting.

For maintenance, 4.974 MDs per month for 10 beds @419/MD i.e. Rs.2084/- per month, is kept in the cost norm. One dedicated nursery worker on a monthly basis shall be engaged (nominated by VPIC and resolution to be taken in EC meeting) and wages shall be released through muster roll.

All BPMs are directed to discuss the cost norms with the selected VPICs, initiate the work and engage the nursery worker. Engagement of nursery worker and withdrawal of funds for execution of work should be discussed in VPIC Executive Committee Meeting and the resolution should be recorded properly in the VPIC Minutes Register. Wages shall be paid to the nursery worker by VPIC, entering details with signature/LTI in the muster rolls.

Cost Norms for Raising Community Bamboo Nursery are enclosed at **Annexure-2**

All DPMs to ensure adherence to the above-mentioned office order by all staff under their jurisdiction.

Enclo- As stated

// By Order//

(Shri Wankit Kupa Swer)
Deputy Project Director,
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To:

1. All DPMs/BPMs, MegLIFE, MBDA

Copy to:

1. The Project Director, MegLIFE, MBDA, Main Secretariate Building, Shillong
2. The Additional Project Director, MegLIFE, MBDA

Technical Specialist, Project Management
MegLIFE, MBDA Shillong

District	Block	Village Name	Group	No. of Bamboo Beds
EGH	Dambo Rongjeng	Simseng Rongal	1	10
EGH	Dambo Rongjeng	Thaugittim	1	10
NGH	Kharkutta	Dokongsi C	1	10
EWKH	Mairang	Umniangriang	1	10
WGH	Rongram	Adinggre Nokatgre	1	10
WGH	Rongram	Bibragre	1	10
WGH	Rongram	Marakapara	1	10
WGH	Rongram	Sasatgre	1	10
EGH	Samanda	Gitokgre	1	10
EGH	Samanda	KalakSonggitcham	1	10
EGH	Samanda	Rongchek Manda	1	10
EGH	Samanda	Sawilgre	1	10
EGH	Songsak	Asil Chiringgre	1	10
EGH	Songsak	Asil Songgital	1	10
EGH	Songsak	Bolsongchok	1	10
EGH	Songsak	Rongrong Antidam	1	10
EGH	Songsak	Rongronggre	1	10
Ri Bhoi	Umling	Umdennongtluh	1	10
Ri Bhoi	Umsning	Nongbah Myrdon	1	10
WJH	Laskein	longlang	2	10
EGH	Songsak	Dobu Kosi	2	10
Ri Bhoi	Umsning	Nongsangu	2	10
Ri Bhoi	Umsning	Pamlatar	2	10
Total No. of Beds				230

Cost Norm for Raising Bamboo seedlings in Community Nursery

Base Estimate is adopted from: Govt. of Meghalaya, Forest and Environment Department Letter No. For. 85/86/461 dt. Shillong 5th June, 2017

Minimum Wage rate for unskilled labour as notified by Labour, Employment & Skill Development Department, Govt. of Meghalaya vide Notice No. LE&SD. 9/2023/Pt/5-A dt 3rd December, 2024 (i.e., Rs. 419/- per person day).

1st year creation of nursery (estimate for 1 bed)

Sl. No.	Item of work	Man-days (no.)	Amount (in Rs.)
Cost for Creation			
1.	Preparation of Standard sized beds (13.00 m x 1.30m x 0.30 m) with brick edging	2	838
2.	Cost of planting medium (Farm yard manure, soil, Sand) including transportation	2	838
3.	Cost of sowing including hoeing, mulching etc.	1	419
4.	Cost of polythene bags (22.50 cm x 15mm) in one bed 4kg required	6	2,514
5.	Cost of manure mixing soil, including pounding after filling in poly bags	5	2095
6.	Cost of goat proof fencing net including cost of wooden fencing posts, fixing, fitting etc., complete and including cost of staples	1	419
7.	Cost of pricking and transplanting of seedlings from germination beds to polybags	1	419
8.	Cost of construction of shades for protection of seedlings from frost during winter and direct sunlight in warm areas		
	a) Cost of materials (including poles & Shade net (50%))	1	419
	b) Labour Cost	1	419
9.	Miscellaneous cost e.g fungicides, tools & plants, making of inspection path, fertilizer, chemicals, lime, pesticides/insecticides, growth hormones etc.	0.45	189
Total for 1st year		20.45	8568.55
		Rounded up	8569
For 10 beds			85,690
Cost for Maintenance for 10 beds for 1 year			
10.	Labour Cost of weeding/ watering & Maintenance	59.689 MDs	25,010
11.	Labour Cost of weeding/ watering & Maintenance	4.974 MDs	2,084.106

Total cost of creation of 10 beds poly pot community nursery = Rs. 1,10,700

Cost per seedling-11.07/-