

**Estimated cost of cultivation**  
(₹ / 2000 Nos. of trees year<sup>-1</sup>)

Common cost of cultivation				
Sl. No	Operation	Inputs	Rates/ Unit	Cost (₹ / 2000 Nos. of trees / year)
1.	Labour for air layering	30 Man day	300/30	90000
2.	Labour for transplanting	30 Man day	300/30	90000
3.	Inter-cultural management	30 Man day	300/30	90000
4.	Harvesting	30 Man day	300/30	90000
5.	Transportation	10,00,000 oranges approx / 15625 bhar	Per bhar cost ₹25/-	390625
6.	Misc.		60000	60000
			<b>Total</b>	<b>810625</b>

**Current Benefit: Cost Ratio (BCR)**

$$\text{BCR} = 78,12,500/810625 \times 100$$

$$= 963.76$$

Therefore, we can conclude that the benefit cost ratio for per No. of tree is ₹ 964/-



Contact details:  
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Village: Nongkwai  
East Khasi Hills  
Meghalaya

**INDIGENOUS AIR LAYERING METHOD  
PRACTISED FOR CITRUS  
NONGKWAI VILLAGE**



**Bio-Resources Development Centre**  
**5 ½ Mile, Upper Shillong**  
**Meghalaya-793009**

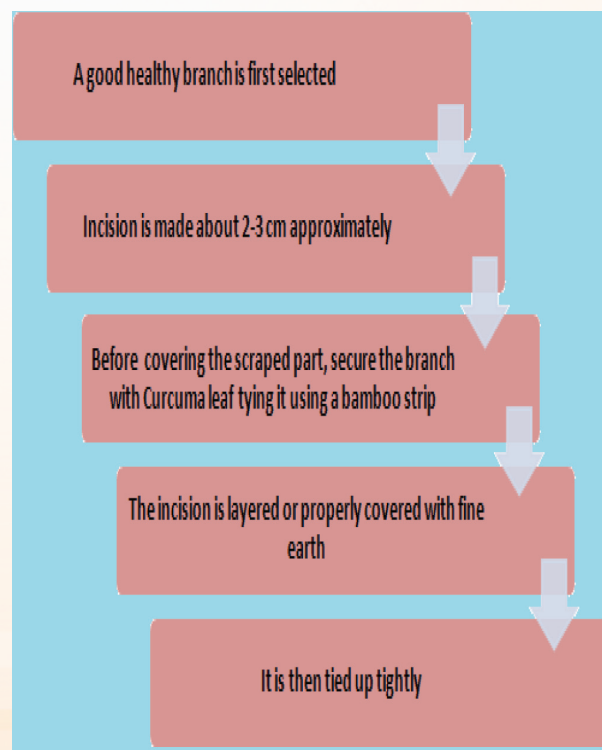


## Indigenous air layering method for Khasi mandarin

### Introduction:

**Nongkwai village** is located in the tropical agro-climatic zone of East Khasi Hills District, around 60 km from Shillong under Pynursla block where agriculture is the main source of livelihood for people.

### Indigenous Air Layering for Khasi mandarin:



**Fig: Indigenous Air Layering Method**



In fig. we can observe that the air layered sapling is being sowed in a slanted position, however to maintain its proper growth the slanted branch is being chopped off to divert the growth of the young branch in an upward position

### *Minutiae*

Total no. of trees	2000 nos.
Origin of saplings	Umkiang
Air layering	January
Transplanting	8 months after air layering (Sept- Oct)
Pit size (Transplanting)	1 ft approx.
Inter-cultural practice	weeding twice a year
Fruiting	27 years running
Average fruit yield	8 bhar (around 500 oranges / tree)
Pest	Stink bug
Pest management	Bordeaux mixture Bavistin (for severe infestation)
Market price	₹ 300-700 / bhar or ₹ 300-700 for 64 oranges
Market	Pynursla