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## *Bamboo beer bottle holder (Round Bamboo)*

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### **a. Introduction**

Bamboo beer bottle holder; it offers you the same functionality made from other materials, while adding in a touch of nature at the same time. It can be easily placed on a counter or dining table. There are a number of benefits to using this. Bamboo can be grown sustainably, does not pollute the environment, and composts relatively quickly. They are a great eco-friendly choice if you are looking into.

With change in lifestyle now days Bamboo beer bottle holder are preferred in hotel and restaurants especially in ecotourism, or a regular usage in home and parties. The beautiful natural hand-crafted bamboo beer bottle holder provides perfect gift along with aesthetics and added socio economic and environmental benefits.

### **b. Market Demand**

Most bamboo beer bottle holder are made from solid bamboo, it can last for years, if one takes good care of it and is manufactured without any emission/pollution. So, the market for bamboo handicrafts especially "Bamboo beer bottle holder" is large and ever-expanding. Bamboo handicrafts are very popular in many countries of the world where their natural appearance and their environmentally friendly production methods are major selling points.

### **c. Production Target**

Bamboo beer bottle holder can be manufactured in a very decentralised manner and is easily done by small carpentry shops/ HH carpenters. The unit may be established on a small scale as private household businesses or on a larger scale as a cooperative or government enterprise. Especially for Bamboo artisans, individual carpenters and other disadvantaged groups, which can also ensure better income distribution, and earns valuable foreign exchange through exports.

### **d. Assumptions, if any**

The essential requirements for a successful unit are:

- Regular supply of mature bamboo culms (appropriate diameter)
- Unskilled and skilled labour
- Small amount of start-up capital; and
- Market access.

### **e. Production Process**

Bamboo beer bottle holder have always been made by hand; steps involved in making of Bamboo beer bottle holder

- Cutting of bamboo culms of desired diameter
- Making beer bottle holder (Cutting desired size of beer bottle holder)
- Process the outer wall and bottom of the bamboo beer bottle holder
- Fixing a stand/wheel at the bottom as per the design
- Overall frosted fine processing

**f. List of machinery required along with quantity with Unit Price.**

- The tools required for manual making of bamboo beer bottle holder are; hand saws, shaving knives and hand drills, Flat/ round rasp file, bench vice and emery papers. These tools can easily be purchased from any local tool supplier.
- Electric hand and power tools can be used to increase productivity and reduce wastage of raw materials, The main machines are crosscutting machine, bamboo turning machine, power drill, angle grinder.

Sl. no	Tools & Equipments	Nos.	Unit Price in INR)
1	Hand saws	5	200
2	Shaving knives	5	250
3	Flat/ round rasp file (set)	2	750
4	Bench Vice	2	1,250
5	Electric cross-cutter	1	10,500
6	Electric bamboo turning machine	1	34,000
7	Angle Grinder	1	2,500

## ONE PAGER SUMMARY OF BAMBOO BEER BOTTLE HOLDER

Sl. No.	Particulars	Description				
A. Project Description						
1	Proposed Project	BAMBOO BEER BOTTLE HOLDER				
2	Capacity of the machine (at 100% capacity utilization)					
3	Year wise capacity utilization	Year- 1	Year- 2	Year- 3	Year- 4	Year- 5
		70%	80%	90%	100%	100%
4	Raw Materials Required	Bamboo, Boric Borax, Super Glue, Colour/Dye agent, Miscellaneous items, Varnish/Lacquer				
5	Final Product	BAMBOO BEER BOTTLE HOLDER				
6	Infrastructure Required	Shed (500 sq ft)				
7	Plant and machinery	Hand saws Shaving knives Flat/ round rasp file (set) Bench Vice Electric cross-cutter Electric bamboo turning machine Angle Grinder				
8	Employment Generation	10 Hired labour – 8 semiskilled, 1 skilled, 1 unskilled				
B. Project Cost						
						(Figures in Rs. Lakhs)
1	Land (own)					0.00
2	Civil works and Buildings (500 sqft @200/sqft)					1.00
3	Machinery					0.63
4	Others					0.30
5	Sub-total (A)					1.93
6	Working Capital Margin @40% of Total WC Requirement					0.24
7	Total Project Cost					2.52
8	Total Working Capital Req (B)					0.59
C. Means of Finance						
						(Figures in Rs. Lakhs)
9	Total Funds Required(A+B)					2.52
10	TERM LOAN (75% of A)					1.45
11	WORKING CAPITAL (60% of B)					0.35
12	Total Loan					1.80
13	Equity					0.72
14	Total Own Contribution					2.52

D. Financial Benchmarks		(Figures in Rs. Lakhs)			
		Year- 1	Year- 2	Year- 3	Year- 4
1	Target Revenue (Lakh)	13	14	16	18
2	Break Even Point	54.20%	46.49%	40.00%	35.09%
3	DSCR including Principal repayment	5.21	3.63	4.77	6.13
E. Basic Assumptions					
1	Production of Bamboo Beer Bottle Holder	8 semi-skilled labour will make on average 5 semi-finished bamboo bottle holders per day. The skilled labour will do the finishing on the turning machine while the unskilled labour will help in the material handling and packing			
2	Machinery	This is a profile of a household level enterprise with 9 hired labour.			
3	Interest rate assumed	11%			
4	Repayment period	5 Years with 3 months moratorium			
F. Others					
1	Training Institutes	CBTC Meghalaya, BCDI Agartala, IIE Guwahati, TRIBAC			
2	Whether the service is in the Negative list under NEIDS and MSME?	No			