

LIGHT WEIGHT BRICKS

1. INTRODUCTION

Bricks are commonly used as building materials. Light weight bricks are basically wire-cut bricks where coconut pith is also mixed in definite proportions with clay so that the weight is low and the cost is less. Normally for house construction, a minimum of 30000 bricks are used which means that the item is a major input in building construction. If the cost of bricks can be reduced to 20%, it means that there would be considerable savings in building cost. Light weight bricks are not commonly available, but there is great demand in the market.

2. RAW MATERIALS

Brick grade clay, coconut pith

3. MANPOWER REQUIREMENT : 10

4. MANUFACTURING PROCESS

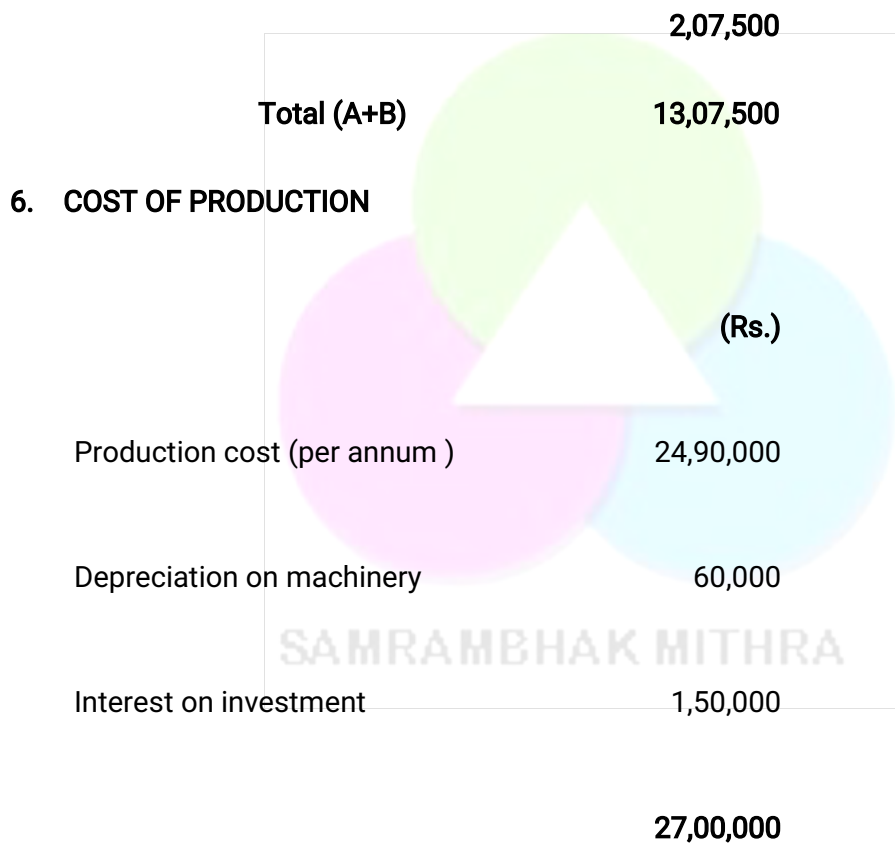
Coconut pith and clay are cleaned and mixed in a mixing machine in definite proportion. Bricks are then moulded in the press and baked in oven. Bricks are cooled and dispatched. Process has been developed by RRL, Trivandrum and the technology is available through NRDC at prescribed fees.

5. PROJECT COST

A. Fixed Capital	Rs.
Land & Building	3,25,000
Plant & Machinery	7,75,000
Total	11,00,000

B. Working Capital (per month)

Raw Material	1,72,500
Salary & wages	20,000
Other expenses	15,000

**7. PROFITABILITY**

Sales turnover	30,00,000
Production cost	27,00,000

Annual profit	3,00,000
Percentage of profit on Investment	23%

Market potential :

With the tremendous increase in construction of building and houses, the demand for light weight brick is also high. They are more durable easy to handle cheap in price and convenient. Because of these qualities there is a good market for this product.

Annual Production capacity:

It is envisaged to produce goods worth Rs. 30,40,000/-

List of Plant, Machinery & equipment:

- 1 Plug mill for clay mixing
- 2 Metal moulds
- 3 Wooden moulds
- 4 Twin chamber brick kiln
- 5 Other equipments



SAMRAMBHAVAK MITHRA