

PROJECT PROFILE ON CERAMIC CANDLES (FOR WATER FILTER)

Introduction :

Ceramic candles used for water filtering and fitted inside of the steel tubler or pot for dfilter the water, and to get it bacteria free and these are made of various ceramic raw materials like china clay, Alumina,Quarz,Feldsfar,and combustibile materials. Among the two varities used (1) Candel which gives bacteria free water and (2)the other gives water free from suspended impurities. As per note of filtraaion the candels are classified as domestic type and community type in which rate of filtration is 2 to 3 liters per hour and 6 to 7 per hour respectively. Interested entrepreneurs may contact MSME-DI, 111 & 112 B.T. Road, opposite ISI, Kolkata and central Glass & Ceramic Research Institue, P.O. Jadhavpur University, Kolkata,for technical Know how for manufacture candles for getting bacteria free water.

1 **Name of the Product :** CERAMIC CANDLES (FOR WATER FILTER)

2 Project Cost :

a Capital Expenditure

| | | | | | |
|--------------------|--------|---|-----|------------|------------|
| Land | : | | | | Own |
| Work shed in sq.ft | rented | 0 | Rs. | - | |
| Equipment | | : | Rs. | 570,000.00 | |

Ball Mill with accessories and motor/Blunger-1000 ltr capacity with motor/Agitator cement tank capacity 1000 ltrs with accessories aand motor/ Grinding machine with motor/Electrical Drying oven 6X6X3 / Oil fired rectangular /DD kiln one tonne capacity / Plaster of paris Moulds / Office furniture and equipment / Installation of machinery and electrification.

| | | |
|---------------------------|-----|------------|
| Total Capital Expenditure | Rs. | 570,000.00 |
|---------------------------|-----|------------|

| | | |
|-------------------|-----|------------|
| b Working Capital | Rs. | 290,000.00 |
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|-----------------------------|------------|-------------------|
| TOTAL PROJECT COST : | Rs. | 860,000.00 |
|-----------------------------|------------|-------------------|

3 Estimated Annual Production Capacity: (Rs. in 000)

| Sr.No. | Particulars | Capacity in No./Q. | Rate | Total Value |
|--------------|----------------------------------|--------------------|--------------|----------------|
| 1 | CERAMIC CANDLES (WATER FILTERS) | 100000.00 | 18.00 | 1782.80 |
| TOTAL | | 100000.00 | 18.00 | 1782.80 |

| | | | |
|----------------|---|-----|------------|
| 4 Raw Material | : | Rs. | 936,000.00 |
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| 5 Labels and Packing Material | : | Rs. | 60,000.00 |
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| 6 Wages (3-Skilled & 2- Unskilled) | : | Rs. | 384,000.00 |
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| 7 Salaries (1-Manager) | : | Rs. | 120,000.00 |
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|-----------|------------------------------------|----------|------------|---------------------|
| 8 | Administrative Expenses | : | Rs. | 35,000.00 |
| 9 | Overheads | : | Rs. | 85,000.00 |
| 10 | Miscellaneous Expenses | : | Rs. | 45,000.00 |
| 11 | Depreciation | : | Rs. | 57,000.00 |
| 12 | Insurance | : | Rs. | 5,700.00 |
| 13 | Interest (As per the PLR) | | | |
| | a. C.E.Loan | : | Rs. | 74,100.00 |
| | b. W.C.Loan | : | Rs. | 37,700.00 |
| | Total Interest | | Rs. | 111,800.00 |
| 14 | Working Capital Requirement | : | | |
| | Fixed Cost | | Rs. | 279,800.00 |
| | Variable Cost | | Rs. | 1,502,700.00 |
| | Requirement of WC per Cycle | | Rs. | 297,083.00 |

15 Cost Analysis

| Sr.No. | Particulars | Capacity Utilization(Rs in '000) | | | |
|----------|-----------------------------|----------------------------------|---------|---------|---------|
| | | 100% | 60% | 70% | 80% |
| 1 | Fixed Cost | 279.80 | 167.88 | 195.86 | 223.84 |
| 2 | Variable Cost | 1503.00 | 901.80 | 1052.10 | 1202.40 |
| 3 | Cost of Production | 1782.80 | 1069.68 | 1247.96 | 1275.94 |
| 4 | Projected Sales | 2100.00 | 1260.00 | 1470.00 | 1680.00 |
| 5 | Gross Surplus | 317.20 | 190.32 | 222.04 | 253.76 |
| 6 | Expected Net Surplus | 260.00 | 133.00 | 165.00 | 197.00 |

- Note :
- 1.All figures mentioned above are only indicative.
 - 2.This is model project profile for guidance
 - 3.Cost of Project, and its priority will be changed depends on the area, availability of raw Material, man power, power requirement and various other factors etc..