Khadi and Village Industries Commission Mumbai
Project Profile on Electronic Gate Security System

Introduction:
Electronic product of safety device as an alarm while any person crosses through a gate of any big residence or any building enclosures. Security system of main gate of any big residential building, restricted commercial complex, establishment has been additionally strengthened through sophisticated electronic devices and gadgets. As such, entrepreneurs taking up this project will reap good profit and also make quick return of investment.

Process of Manufacture:
The electrical and electronic components as detailed under the column of raw materials requirement are produced and inspected as a routine quality control inspection. As details in the technical aspects column, suitable PCBs are to be soldered to accommodate all the components in two segments as transmitter and receiver as listed under the raw materials column and to be connedted as per the circuitry narrated earlier. The assembled PCBs along with separate 9 Volt batteries supply and the alarm with speaker are to be mounted on three separate study insulated bases and terminals for external link may be brought out. All are housed inside their respective moulded PVC bases and screwed properly. The final product is tested and checked. The product is finally packed inside an attractive carton pack with guarantee and card & users manual.

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1. Name of the Product: **Electronic Gate Security System**
2. **Project Cost:**
   - **Capital Expenditure**
     - **Land**
       - Rent: 100 Rs. 30,000.00
     - Equipment: 150,000.00
   - **Working Capital**
     - Rs. 186,000.00

   **Total Capital Expenditure:** Rs. 366,000.00

3. **Estimated Annual Production Capacity:**
<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Particulars</th>
<th>Capacity in No./Q.</th>
<th>Rate</th>
<th>Total Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Electronic Gate Security System</td>
<td>2400.00</td>
<td></td>
<td>1106.20</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>2400.00</strong></td>
<td></td>
<td><strong>1106.20</strong></td>
</tr>
<tr>
<td>4</td>
<td>Raw Material</td>
<td>: Rs.</td>
<td></td>
<td>580,000.00</td>
</tr>
<tr>
<td>5</td>
<td>Labels and Packing Material</td>
<td>: Rs.</td>
<td></td>
<td>20,000.00</td>
</tr>
<tr>
<td>6</td>
<td>Wages (Skilled &amp; Unskilled)</td>
<td>: Rs.</td>
<td></td>
<td>76,000.00</td>
</tr>
<tr>
<td>7</td>
<td>Salaries</td>
<td>: Rs.</td>
<td></td>
<td>200,000.00</td>
</tr>
</tbody>
</table>

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**TOTAL PROJECT COST (Rs. in 000):**

- **Land**: Own
- **Raw Material**: Rs. 30,000.00
- **Equipment**: Rs. 150,000.00
- **Working Capital**: Rs. 186,000.00
- **Total Capital Expenditure**: Rs. 366,000.00

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8 Administrative Expenses : Rs. 100,000.00

9 Overheads : Rs. 60,000.00

10 Miscellaneous Expenses : Rs. 21,000.00

11 Depreciation : Rs. 16,500.00.

12 Insurance : Rs. 1,800.00

13 Interest (As per the PLR)
   a. C.E.Loan : Rs. 23,400.00
   b. W.C.Loan : Rs. 24,180.00
   Total Interest : Rs. 47,580.00

14 Working Capital Requirement
   Fixed Cost : Rs. 346,200.00
   Variable Cost : Rs. 760,180.00
   Requirement of WC per Cycle : Rs. 184,397.00

15 Cost Analysis

<table>
<thead>
<tr>
<th>Sr.No.</th>
<th>Particulars</th>
<th>Capacity Utilization(Rs in '000)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>1</td>
<td>Fixed Cost</td>
<td>346.20</td>
</tr>
<tr>
<td>2</td>
<td>Variable Cost</td>
<td>760.00</td>
</tr>
<tr>
<td>3</td>
<td>Cost of Production</td>
<td>1106.20</td>
</tr>
<tr>
<td>4</td>
<td>Projected Sales</td>
<td>1400.00</td>
</tr>
<tr>
<td>5</td>
<td>Gross Surplus</td>
<td>293.80</td>
</tr>
<tr>
<td>6</td>
<td>Expected Net Surplus</td>
<td>277.00</td>
</tr>
</tbody>
</table>

Note:
1. All figures mentioned above are only indicative.
2. If the investment on Building is replaced by Rental then
   a. Total Cost of Project will be reduced.
   b. Profitability will be increased.
   c. Interest on C.E.will be reduced.