

# UP MSME 1-Connect

## PROJECT REPORT

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**PROJECT:**  
Electrical Door chimes Unit

**PROJECT REPORT**

**Of**

**ELECTRICAL DOOR CHIMES**

**PURPOSE OF THE DOCUMENT**

This particular pre-feasibility is regarding Electrical Door chimes.

The objective of the pre-feasibility report is primarily to facilitate potential entrepreneurs in project identification for investment and in order to serve his objective; the document covers various aspects of the project concept development, start-up, marketing, finance and management.

[We can modify the project capacity and project cost as per your requirement. We can also prepare project report on any subject as per your requirement.]

# **ELECTRICAL DOOR CHIMES**

## **INTRODUCTION:**

A doorbell is a signaling device typically placed near a door to a building's entrance. When a visitor presses a button the bell rings inside the building, alerting the occupant to the presence of the visitor. Although the first doorbells were mechanical, activated by pulling a cord, modern doorbells are generally electric switch. This doorbell chime project provides the schematic and the parts list needed to construct a very simple wired doorbell alarm that you can place on the door of your house. It is a very low cost and affordable project that every beginner to electronic design cans hands on.

Door chime, is a simple electric circuit containing a battery, a switch, and an electric motor standing on a large cardboard box. When a caller pressed the switch, the battery fed power to the motor and made it spin around with a buzzing noise (a bit like the vibrating alert on a cellphone or pager). Standing on the box, the motor made a reasonably audible but rather dull humming noise. Real electric doorbells aren't that different. Instead of using an electric motor and a cardboard box, they use an electromagnet (a temporary magnet whose magnetism can be turned on and off instantly by electricity) to make a more attractive sound, either with an electric bell, a buzzer, or chime bars struck by a magnetic hammer.

## **MARKET POTENTIAL AND MARKETING ISSUES:**

Door bells are perhaps among the most commonly and cheaply available electrical device available in the market, and there are hundreds of varieties to choose from. However with many companies joining the fray, the competition has become fierce, due to which the overall quality of such items has deteriorated with time. Initially these gadgets seem to work very fine, but pretty soon they just stop working and call for a replacement. The Indian middle class is prospering and even the 20% of the Indian population which is considered as the middle class constitute a huge market for any product/service. India's urban population is the second largest in the world, greater than the combined urban populations of all countries except China, the US and Russia. Most of the doorbell manufacturers in India are from the un-organized sector. The Indian chimes industry, fueled by the vast domestic market, has now turned its attention to global markets and is fast gearing up to meet international demands. The strong points of Indian chimes industry are skilled workforce, diverse range, focus on innovation and creativity. Indian manufacturers are catering to both large and small volume requirements and exporting too few of the most developed nations. Indian chimes industry set to grow at 25% in the coming years.

**PROJECTED CASH FLOW STATEMENT**

<b>PARTICULARS</b>	<b>IST YEAR</b>	<b>IIND YEAR</b>	<b>IIIRD YEAR</b>	<b>IVTH YEAR</b>	<b>VTH YEAR</b>
<b><u>SOURCES OF FUND</u></b>					
Share Capital	1.46	-			
Reserve & Surplus	3.74	5.36	7.05	8.81	10.49
Depriciation & Exp. W/off	1.38	1.25	1.09	0.95	0.83
Increase in Cash Credit	2.33	-	-	-	-
Increase In Term Loan	10.80	-	-	-	-
Increase in Creditors	0.19	0.03	0.03	0.03	0.03
Increase in Provisions	0.36	0.04	0.04	0.04	0.05
<b>TOTAL :</b>	<b>20.25</b>	<b>6.68</b>	<b>8.21</b>	<b>9.83</b>	<b>11.40</b>
<b><u>APPLICATION OF FUND</u></b>					
Increase in Fixed Assets	11.50	-	-	-	-
Increase in Stock	2.13	0.65	0.21	0.21	0.21
Increase in Debtors	0.65	0.22	0.08	0.12	0.12
Increase in Deposits & Adv	2.50	0.25	0.28	0.30	0.33
Repayment of Term Loan	-	2.70	2.70	2.70	2.45
Taxation	-	0.54	1.41	1.76	2.10
<b>TOTAL :</b>	<b>16.78</b>	<b>3.06</b>	<b>4.68</b>	<b>5.10</b>	<b>5.21</b>
Opening Cash & Bank Balance	-	3.47	7.09	10.62	15.36
Add : Surplus	3.47	3.62	3.53	4.74	6.18
Closing Cash & Bank Balance	<b>3.47</b>	<b>7.09</b>	<b>10.62</b>	<b>15.36</b>	<b>21.54</b>

**PROJECTED BALANCE SHEET**

<b>PARTICULARS</b>	<b>IST YEAR</b>	<b>IIND YEAR</b>	<b>IIIRD YEAR</b>	<b>IVTH YEAR</b>	<b>VTH YEAR</b>
<b><u>SOURCES OF FUND</u></b>					
Capital Account	1.46	1.46	1.46	1.46	1.46
Retained Profit	3.74	8.57	14.20	21.25	29.64
Term Loan	10.80	8.10	5.40	2.70	0.25
Cash Credit	2.33	2.33	2.33	2.33	2.33
Sundry Creditors	0.19	0.22	0.25	0.28	0.32
Provisions & Other Liab	0.36	0.40	0.44	0.48	0.53
<b>TOTAL :</b>	<b>18.88</b>	<b>21.07</b>	<b>24.08</b>	<b>28.51</b>	<b>34.53</b>

**APPLICATION OF FUND**

<b>Fixed Assets ( Gross)</b>	11.50	11.50	11.50	11.50	11.50
Gross Dep.	1.38	2.62	3.71	4.66	5.48
Net Fixed Assets	10.13	8.88	7.79	6.84	6.02
<b>Current Assets</b>					
Sundry Debtors	0.65	0.87	0.95	1.07	1.19
Stock in Hand	2.13	1.48	1.69	1.90	2.12
Cash and Bank	3.47	7.09	10.62	15.36	21.54
Deposits & Advances	2.50	2.75	3.03	3.33	3.66
<b>TOTAL :</b>	<b>18.88</b>	<b>21.07</b>	<b>24.08</b>	<b>28.51</b>	<b>34.53</b>

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**PROJECTED PROFITABILITY STATEMENT**

<b>PARTICULARS</b>	<b>IST YEAR</b>	<b>IIND YEAR</b>	<b>IIIRD YEAR</b>	<b>IVTH YEAR</b>	<b>VTH YEAR</b>
<b><u>A) SALES</u></b>					
Gross Sale	19.44	26.10	28.62	32.22	35.82
<b>Total (A)</b>	<b>19.44</b>	<b>26.10</b>	<b>28.62</b>	<b>32.22</b>	<b>35.82</b>
<b><u>B) COST OF SALES</u></b>					
Raw Mateiral Consumed	8.10	9.45	10.80	12.15	13.50
Electricity Expenses	0.60	0.70	0.80	0.90	1.00
Repair & Maintenance	-	0.26	0.29	0.32	0.36
Labour & Wages	2.77	3.05	3.35	3.69	4.06
Depriciation	1.38	1.25	1.09	0.95	0.83
Consumables and Other Expense	0.39	0.52	0.57	0.64	0.72
<b>Cost of Production</b>	<b>13.24</b>	<b>15.23</b>	<b>16.90</b>	<b>18.66</b>	<b>20.46</b>
<b>Add: Opening Stock /WIP</b>	<b>-</b>	<b>1.73</b>	<b>1.01</b>	<b>1.15</b>	<b>1.30</b>
<b>Less: Closing Stock /WIP</b>	<b>1.73</b>	<b>1.01</b>	<b>1.15</b>	<b>1.30</b>	<b>1.44</b>
Cost of Sales (B)	11.51	15.95	16.76	18.51	20.32
<b><u>C) GROSS PROFIT (A-B)</u></b>					
	7.93	10.15	11.86	13.71	15.50
	<b>41%</b>	<b>39%</b>	<b>41%</b>	<b>43%</b>	<b>43%</b>
D) Bank Interest (Term Loan )	0.93	1.13	0.82	0.50	0.20
Bank Interest ( C.C. Limit )	0.23	0.23	0.23	0.23	0.23
E) Salary to Staff	2.64	2.90	3.19	3.51	3.87
F) Selling & Adm Expenses Exp.	0.39	0.52	0.57	0.64	0.72
<b>TOTAL (D+E)</b>	<b>4.19</b>	<b>4.78</b>	<b>4.82</b>	<b>4.90</b>	<b>5.01</b>
H) NET PROFIT	3.74	5.36	7.05	8.81	10.49
I) Taxation	-	0.54	1.41	1.76	2.10
J) PROFIT (After Tax)	3.74	4.83	5.64	7.05	8.39

## **DISCLAIMER**

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