

# UP MSME 1-Connect

## PROJECT REPORT

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PROJECT:

Electrical Motor Winding Unit

# **PROJECT REPORT**

## **Of**

# **ELECTRICAL MOTOR WINDING**

### **PURPOSE OF THE DOCUMENT**

This particular pre-feasibility is regarding **Electrical Motor Winding**

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 MOTOR WINDING**

## **INTRODUCTION**

Motors are used as a prime mover for driving various machines and pump sets in industry, agriculture and domestic application. Electric motor has over riding advantages of easy starting and control, clean operation, easier maintenance and lesser space, The function of an electric motor is to convert electrical energy in to mechanical energy and consists of a stator housed in the body with a rotor mounted on shaft, which is free to rotate in bearings. When AC electric supply is applied to the starter, it causes the rotor to rotate due to electromagnetic induction. The rotation of the rotor causes the shaft to rotate, which is in turn coupled to, rotate the desired equipment's. In electric motor, the winding is one of the main part of any motor. It gets damaged frequently due to wear and tear and needs rewinding.

## **MARKET POTENTIAL**

Motors are widely used for various industrial agricultural and commercial and domestic appliances with the development of power generators, rural electrification, domestic usage etc. the demand for electric motor is growing rapidly, consequently the demand for motor servicing and repair activity which is one of the major repair activity in any motor repair shop, is in great demand, especially in the semi-urban and rural areas.

**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	0.85	-			
Reserve & Surplus	4.36	5.87	7.17	8.57	9.91
Depriciation & Exp. W/off	0.59	0.54	0.48	0.42	0.37
Increase in Cash Credit	2.44	-	-	-	-
Increase In Term Loan	5.23	-	-	-	-
Increase in Creditors	0.23	0.04	0.04	0.04	0.04
Increase in Provisions	0.36	0.04	0.04	0.04	0.05
<b>TOTAL :</b>	<b>14.05</b>	<b>6.49</b>	<b>7.73</b>	<b>9.07</b>	<b>10.36</b>
<b><u>APPLICATION OF FUND</u></b>					
Increase in Fixed Assets	5.31	-	-	-	-
Increase in Stock	2.27 -	0.66	0.23	0.23	0.23
Increase in Debtors	0.67	0.23	0.09	0.12	0.12
Increase in Deposits & Adv	2.50	0.25	0.28	0.30	0.33
Repayment of Term Loan	-	1.31	1.31	1.31	1.75
Taxation	-	0.59	1.43	1.71	1.98
<b>TOTAL :</b>	<b>10.75</b>	<b>1.71</b>	<b>3.33</b>	<b>3.68</b>	<b>4.42</b>
Opening Cash & Bank Balance	-	3.30	8.08	12.48	17.87
Add : Surplus	3.30	4.78	4.39	5.40	5.94
Closing Cash & Bank Balance	<b>3.30</b>	<b>8.08</b>	<b>12.48</b>	<b>17.87</b>	<b>23.82</b>

**PROJECTED BALANCE SHEET**

PARTICULARS	IST YEAR	IIND YEAR	IIIRD YEAR	IVTH YEAR	VTH YEAR
<b><u>SOURCES OF FUND</u></b>					
Capital Account	0.85	0.85	0.85	0.85	0.85
Retained Profit	4.36	9.65	15.38	22.24	30.16
Term Loan	5.23	3.92	2.61	1.31 -	0.45
Cash Credit	2.44	2.44	2.44	2.44	2.44
Sundry Creditors	0.23	0.27	0.31	0.35	0.39
Provisions & Other Liab	0.36	0.40	0.44	0.48	0.53
<b>TOTAL :</b>	<b>13.47</b>	<b>17.52</b>	<b>22.03</b>	<b>27.66</b>	<b>33.92</b>

**APPLICATION OF FUND**

<b>Fixed Assets ( Gross)</b>	5.31	5.31	5.31	5.31	5.31
Gross Dep.	0.59	1.13	1.61	2.03	2.40
Net Fixed Assets	4.72	4.18	3.70	3.28	2.91
<b>Current Assets</b>					
Sundry Debtors	0.67	0.90	0.98	1.11	1.23
Stock in Hand	2.27	1.61	1.85	2.08	2.31
Cash and Bank	3.30	8.08	12.48	17.87	23.82
Deposits & Advances	2.50	2.75	3.03	3.33	3.66
<b>TOTAL :</b>	<b>13.47</b>	<b>17.52</b>	<b>22.03</b>	<b>27.66</b>	<b>33.92</b>

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**PROJECTED PROFITABILITY STATEMENT**

PARTICULARS	IST YEAR	IIND YEAR	IIIRD YEAR	IVTH YEAR	VTH YEAR
<b><u>A) SALES</u></b>					
Gross Sale	20.01	26.86	29.45	33.16	36.86
<b>Total (A)</b>	<b>20.01</b>	<b>26.86</b>	<b>29.45</b>	<b>33.16</b>	<b>36.86</b>
<b><u>B) COST OF SALES</u></b>					
Raw Mateiral Consumed	9.90	11.55	13.20	14.85	16.50
Elecricity Expenses	0.43	0.50	0.57	0.64	0.72
Repair & Maintenance	-	0.27	0.29	0.33	0.37
Labour & Wages	3.43	3.78	4.15	4.57	5.02
Depriciation	0.59	0.54	0.48	0.42	0.37
Consumables and Other Expense	0.40	0.54	0.59	0.66	0.74
<b>Cost of Production</b>	<b>14.75</b>	<b>17.18</b>	<b>19.29</b>	<b>21.48</b>	<b>23.72</b>
<b>Add: Opening Stock /WIP</b>	<b>-</b>	<b>1.78</b>	<b>1.04</b>	<b>1.19</b>	<b>1.33</b>
<b>Less: Closing Stock /WIP</b>	<b>1.78</b>	<b>1.04</b>	<b>1.19</b>	<b>1.33</b>	<b>1.48</b>
Cost of Sales (B)	12.97	17.92	19.14	21.33	23.57
<b>C) GROSS PROFIT (A-B)</b>	<b>7.04</b>	<b>8.94</b>	<b>10.31</b>	<b>11.83</b>	<b>13.29</b>
	<b>35%</b>	<b>33%</b>	<b>35%</b>	<b>36%</b>	<b>36%</b>
D) Bank Interest (Term Loan )	0.45	0.54	0.39	0.24	0.09
Bank Interest ( C.C. Limit )	0.24	0.24	0.24	0.24	0.24
E) Salary to Staff	1.58	1.74	1.92	2.11	2.32
F) Selling & Adm Expenses Exp.	0.40	0.54	0.59	0.66	0.74
<b>TOTAL (D+E)</b>	<b>2.68</b>	<b>3.07</b>	<b>3.14</b>	<b>3.26</b>	<b>3.39</b>
H) NET PROFIT	4.36	5.87	7.17	8.57	9.91
I) Taxation	-	0.59	1.43	1.71	1.98
J) PROFIT (After Tax)	4.36	5.29	5.74	6.86	7.92

## **DISCLAIMER**

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