

A MODEL SCHEME ON Motor Rewinding

- 1 **Introduction** :Motors are used as a prime mover for driving various machines and pump sets in industry, agriculture and domestic application. 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, specially in the semi-urban and rural areas.
- 2 **Brief description of manufacturing** The main process steps are –
 - a) Dismantling of Motor
 - b) Rewinding of motor (Method of winding)
 - c) Baking and Varnishing
- 3 **Scope of Project** Due to increasing urbanisation the demand of electric motor amongst all sector of people it's scope for growth is expected to be steady
- 4 **Location** Any place with good connectivity either in road or in railways or both is suitable for this project.
- 5 **Project Cost** ₹ 1,91,000.00
- 6 **Means of finance**
 - a) Own contribution (10%) Rs. 19100.00
 - b) Govt. Subsidy Rs. 25000.00
 - c) Bank Loan Rs. 146900.00
- 7 **Total Power requirement (HP/ KWH):** HP

8 Project Analysis

A Fixed Capital/ Capital Expenditure

i Work Shed/ Building : Own Rented

ii Area of work shed : 600 (in sq. Mt)

iii Machinery & Equipments :

Sl No	Name of machinery/Equipment	Rate	Quantity	Amount
a	Welding Machine	₹ 25,000.00	1	₹ 25,000.00
b	High voltage tester 5 KV	₹ 10,000.00	1	₹ 10,000.00
c	Megger 0-500 V DC	₹ 5,000.00	1	₹ 5,000.00
d	Wattmeter	₹ 5,000.00	1	₹ 5,000.00
e	Small Tools & Testing Equipments	L.S.		₹ 5,000.00
Sub Total				₹ 50,000.00

Furniture & Other Cost

Sl No	Detail of Furniture/Expenses	Amount
c	Electrification & Security Deposit	₹ 25,000.00
d	Furniture & Fittings	₹ 20,000.00
e	Pre-operative expenses	₹ 2,000.00
Sub Total		₹ 47,000.00

v **Total Fixed Capital/ Capital Expenditure (iii + iv)** = ₹ 97,000.00



B Recurring Cost (Per Month)**i Raw Material**

Sl No	Name of the raw material	Rate	Quantity	Amount
a	Super enameled copper wire of different gages	700/ Kg	100	₹ 70,000.00
d	Insulating materials, Leatheroid papers, vernish etc.	L.S.		₹ 10,000.00
Sub Total				₹ 80,000.00

ii Salary & Wages

Sl No	Employment	Rate	No	Amount
a	Manager cum supervisor	₹ 0.00	1	₹ 0.00
b	Skilled worker	₹ 5,000.00	1	₹ 5,000.00
c	Unskilled worker	₹ 3,500.00	1	₹ 3,500.00
Sub Total				₹ 8,500.00

iii Other Expenses

Sl No	Detail of Expenses	Amount
a	Electricity	₹ 3,000.00
c	Rent (if any)	₹ 0.00
b	Stationery	₹ 500.00
c	Tax & Insurance	₹ 500.00
d	Transportation	₹ 1,000.00
e	Misc	₹ 500.00
Sub Total		₹ 5,500.00

iv Working Capital Requirement (i+ ii+ iii) = ₹ 94,000.00

4 Total Project Cost

a	Fixed Capital	₹ 97,000.00
b	Working Capital	₹ 94,000.00
c	Total	₹ 1,91,000.00

5 Cost Analysis per annum

Expenditure		Income	
i	Recurring Cost	₹ 11,28,000.00	1. Projected Sale
ii	Depreciation	₹ 7,500.00	By Service Charge
iii	Surplus/Profit	₹ 3,64,500.00	₹ 15,00,000.00
		₹ 15,00,000.00	₹ 15,00,000.00

Signature of the applicant

Rates and quantities shown may vary as per location and demand of bussiness enterprise.

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