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PROJECT REPORT

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PROJECT:

Mosquito Repellent Moulds

PROJECT REPORT

Of

MOSQUITO REPELLENT MOULDS

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Mosquito Repellent Moulds**.

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.]

MOSQUITO REPELLENT MOULDS



Introduction

Mosquito repellents are substances that are designed to make surfaces unpleasant or unattractive to mosquitos. They typically contain an active ingredient that repels mosquitos as well as secondary ingredients, which aid in delivery and cosmetic appeal. They are available in many forms, from creams to lotions to oils, but are most often sold as aerosol products.

Mosquito control manages the population of mosquitoes to reduce their damage to human health, economies, and enjoyment. Mosquito control is a vital public-health practice throughout the world and especially in the tropics because mosquitoes spread many diseases, such as malaria and the Zika virus.

Mosquito Repellent Market Analysis

Mosquito Repellent Market is expected to garner \$4.8 billion by 2022, registering a CAGR of 7.7 % during the forecast period 2016 - 2022.

Wide variety of chemical and natural ingredient based mosquito repellents are being used to keep the mosquitoes away and prevent mosquito-borne diseases such as malaria, dengue, chikungunya, yellow fever, Zika virus, and others.

Popularly used chemical ingredients in the preparation of mosquito repellents include diethyl carbonate, ethyl hexane diol, N-diethyl-3-methylbenzamide (DEET), and diethyl phthalate. Moreover, natural substances such as Lemon Eucalyptus Oil, Lavender, Cinnamon Oil, Soybean Oil and others are used in herbal repellents. Adoption of such natural ingredients based mosquito repellents is increasing to avoid problems such as skin rashes, allergies and others.

The world mosquito repellent market is expected to register notable growth in the near future attributed to rise in incidence of mosquito-borne diseases and global warming, which facilitates breeding of mosquitoes. Other factors that drive the market are rising health awareness, government initiatives for mosquito control, and affordable cost of repellents. However, presence of toxic chemicals, such as DEET, in various mosquito repellent products causes ill

effects on health, which is likely to restrain the growth of this market. Huge opportunities prevail for the world mosquito repellent market owed to rising demand for plant based repellents and increasing penetration in untapped markets of rural regions.

PROJECTED PROFITABILITY STATEMENT					
	-	-	-		
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
Capacity Utilisation %	50%	53%	55%	58%	60%
<u>SALES</u>					
Gross Sale					
Laundry soap	44.00	50.64	53.69	57.66	60.89
Total	44.00	50.64	53.69	57.66	60.89
<u>COST OF SALES</u>					
Raw Mateiral Consumed	6.06	6.49	6.80	7.24	7.57
Elecricity Expenses	2.69	2.96	3.25	3.58	3.94
Depriciation	2.58	2.20	1.87	1.59	1.36
Consumables	1.76	2.03	2.15	2.31	2.44
Repair & maintennace	1.98	2.28	2.42	2.59	2.74
other direct expenses	2.42	2.79	2.95	3.17	3.35
Packaging Charges	2.64	3.04	3.22	3.46	3.65
Labour	7.56	8.32	9.15	10.06	11.07
Cost of Production	27.69	30.09	31.81	34.01	36.11
Add: Opening Stock /WIP	-	2.31	2.51	2.65	2.83
Less: Closing Stock /WIP	2.31	2.51	2.65	2.83	3.01
Cost of Sales	25.38	29.89	31.67	33.83	35.93
GROSS PROFIT	18.62	20.75	22.02	23.83	24.95
salary to staff	5.52	6.07	6.68	7.35	7.71
Interest on Term Loan	1.56	1.47	1.19	0.91	0.13
Interest on working Capital	0.50	0.50	0.50	0.50	0.50
Rent	2.88	3.17	3.48	3.83	4.22
Selling & adm Exp	3.08	3.54	3.76	4.04	4.26

TOTAL	13.54	14.75	15.61	16.63	16.82
NET PROFIT	5.08	6.00	6.41	7.20	8.13
Taxation	0.02	0.21	0.29	0.46	0.65
PROFIT (After Tax)	5.07	5.79	6.12	6.75	7.48

<u>PROJECTED BALANCE SHEET</u>					
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>Liabilities</u>					
Capital					
opening balance		3.57	5.36	7.38	9.93
<i>Add:- Own Capital</i>	2.25				
Add:- Retained Profit	5.07	5.79	6.12	6.75	7.48
Less:- Drawings	3.75	4.00	4.10	4.20	5.25
Closing Blance	3.57	5.36	7.38	9.93	12.16
Subsidy Reserve	4.38	4.38	4.38	-	-
Term Loan	14.51	11.99	9.47	2.57	-
Working Capital Limit	4.50	4.50	4.50	4.50	4.50
Sundry Creditors	0.25	0.27	0.28	0.45	0.47
Provisions & Other Liab	0.30	0.40	0.55	0.66	0.83
TOTAL :	27.51	26.90	26.56	18.11	17.96
<u>Assets</u>					
Fixed Assets (Gross)	17.52	17.52	17.52	17.52	17.52
Gross Dep.	2.58	4.77	6.65	8.24	9.60
Net Fixed Assets	14.94	12.75	10.87	9.28	7.92
FD of Subsidy	4.38	4.38	4.38		
Current Assets					
Sundry Debtors	2.75	4.64	5.59	3.60	3.81
Stock in Hand	3.07	3.59	3.78	4.04	4.27
Cash and Bank	2.37	1.54	1.93	1.18	1.96
TOTAL :	27.51	26.90	26.56	18.11	17.96

PROJECTED CASH FLOW STATEMENT

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
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SOURCES OF FUND

Own Margin	2.25				
Net Profit	5.08	6.00	6.41	7.20	8.13
Depreciation & Exp. W/off	2.58	2.20	1.87	1.59	1.36
Increase in Cash Credit	4.50	-	-	-	-
Increase In Term Loan	15.77	-	-	-	-
Increase in Creditors	0.25	0.02	0.01	0.17	0.02
Increase in Provisions & Oth lib	0.30	0.10	0.15	0.11	0.17
increase in subsidy	4.38				
TOTAL :	35.11	8.32	8.45	9.08	9.68

APPLICATION OF FUND

Increase in Fixed Assets	17.52				
Increase in Stock	3.07	0.52	0.20	0.26	0.23
Increase in Debtors	2.75	1.89	0.95 -	1.99	0.20
Repayment of Term Loan	1.26	2.52	2.52	6.90	2.57
Increase in FD	4.38	-	-		
Drawings	3.75	4.00	4.10	4.20	5.25
Taxation	0.02	0.21	0.29	0.46	0.65
TOTAL :	32.74	9.14	8.06	9.83	8.90

Opening Cash & Bank Balance	-	2.37	1.54	1.93	1.18
Add : Surplus	2.37 -	0.83	0.39 -	0.75	0.78
Closing Cash & Bank Balance	2.37	1.54	1.93	1.18	1.96

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