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PROJECT REPORT

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PROJECT:

PLASTIC WASTE RECYCLING

PROJECT REPORT

Of

PLASTIC WASTE RECYCLING

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding Plastic Waste Recycling

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.]

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PLASTIC WASTE RECYCLING



INTRODUCTION

Recycling is the process of converting waste materials into new materials and objects. It is an alternative to "conventional" waste disposal that can save material and help lower greenhouse gas emissions. Recycling can prevent the waste of potentially useful materials and reduce the consumption of fresh raw materials, thereby reducing: energy usage, air pollution and water pollution.

Recycling is a key component of modern waste reduction and is the third component of the "Reduce, Reuse, and Recycle" hierarchy. Recyclable materials include many kinds of glass, paper, cardboard, metal, plastic, tires, textiles, batteries, and electronics.

In the strictest sense, recycling of a material would produce a fresh supply of the same material - for example, used office paper would be converted into new office paper or used polystyrene foam into new polystyrene. However, this is often difficult or too expensive (compared with producing the same product from raw materials or other sources), so "recycling" of many products or materials involve their *reuse* in producing different instead. Another form of recycling is the salvage of certain materials from complex products, either due to their intrinsic value, or due to their hazardous nature.

Plastic Waste Recycling Current Market Analysis

Innovative business models such as deposit return scheme, secondary storage of EV batteries and the retail take-back for hazardous waste management, followed by disruptive applications like composite plastic separation, etc., will drive the waste recycling market in 2019.

This global waste recycling and recovery market outlook study provides an overall update on the global waste recycling market in 2019, covering plastic waste. This research predicts that the global market revenue is set to increase from \$354.7 billion in 2018 to \$376.9 billion in 2019.

There are some ISO standards related to recycling such as ISO 15270:2008 for plastics waste.

PROJECTED PROFITABILITY STATEMENT

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	6th year
Capacity Utilisation %	50%	55%	60%	65%	70%	75%
<u>SALES</u>						
Gross Sale	80.64	94.69	106.20	118.20	130.67	143.62
Total	80.64	94.69	106.20	118.20	130.67	143.62
<u>COST OF SALES</u>						
Raw Material Consumed	14.12	16.00	17.97	20.05	22.25	24.55
Electricity Expenses	14.28	15.71	17.28	19.01	20.91	23.00
Repair & Maintenance	0.65	0.76	0.85	0.95	1.05	1.15
Labour & Wages	27.36	30.10	33.11	36.42	40.06	40.06
Depreciation	4.09	3.50	2.99	2.56	2.19	1.87
Consumables & others	0.81	0.95	1.06	1.18	1.31	1.44
Cost of Production	61.30	67.00	73.26	80.16	87.75	92.06
Add: Opening Stock /WIP	-	2.45	2.68	2.93	3.21	3.51
Less: Closing Stock /WIP	2.45	2.68	2.93	3.21	3.51	3.68
Cost of Sales	58.85	66.77	73.01	79.89	87.45	91.89
GROSS PROFIT	21.79	27.92	33.20	38.31	43.22	51.72
	27%	29%	31%	32%	33%	36%
Salary to Staff	4.80	5.28	5.81	6.39	7.03	7.73
Interest on Term Loan	1.55	1.99	1.53	1.07	0.46	0.12
Interest on working Capital	0.33	0.33	0.33	0.33	0.33	0.33
rent	1.80	1.98	2.18	2.40	2.64	2.90
Selling &Adm Expenses Exp.	2.42	2.84	3.19	3.55	3.92	4.31

TOTAL	10.90	12.42	13.03	13.73	14.37	15.39
NET PROFIT	10.89	15.50	20.16	24.58	28.85	36.33
Taxation	3.27	4.65	6.05	7.37	8.65	10.90
PROFIT (After Tax)	7.62	10.85	14.11	17.20	20.19	25.43

PROJECTED BALANCE SHEET

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	6th year
<u>SOURCES OF FUND</u>						
Own Capital	8.15	8.15	8.15	8.15	8.15	8.15
Retained Profit	7.62	18.47	32.58	49.79	69.98	95.42
Term Loan	20.05	15.85	11.65	7.45	3.25	-
Working Capital	3.00	3.00	3.00	3.00	3.00	3.00
Sundry Creditors	0.38	0.43	0.48	0.53	0.59	0.65
Provisions & Other Liab.	0.70	0.90	1.10	1.21	1.33	1.46
TOTAL:	39.90	46.80	56.96	70.13	86.31	108.69
<u>APPLICATION OF FUND</u>						
Fixed Assets (Gross)	28.60	28.60	28.60	28.60	28.60	28.60
Gross Dep.	4.09	7.59	10.58	13.13	15.32	17.20
Net Fixed Assets	24.51	21.01	18.02	15.47	13.28	11.40

Current Assets

Sundry Debtors	3.23	5.68	7.08	7.88	10.89	11.97
Stock in Hand	3.02	3.32	3.65	4.01	4.40	4.66
Cash and Bank	9.15	16.78	28.21	42.78	57.74	80.65

TOTAL:	39.90	46.80	56.96	70.13	86.31	108.69
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PROJECTED CASH FLOW STATEMENT

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year	6th year
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SOURCES OF FUND

Own Margin	8.15	-	-	-	-	-
Net Profit	10.89	15.50	20.16	24.58	28.85	36.33
Depreciation & Exp. W/off	4.09	3.50	2.99	2.56	2.19	1.87
Increase in Cash Credit	3.00	-	-	-	-	-
Increase in Term Loan	21.45	-	-	-	-	-
Increase in Creditors	0.38	0.05	0.05	0.06	0.06	0.06
Increase in Provisions & Oth lib	0.70	0.20	0.20	0.11	0.12	0.13

TOTAL:	48.66	19.24	23.41	27.30	31.22	38.40
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APPLICATION OF FUND

Increase in Fixed Assets	28.60	-	-	-	-	-
Increase in Stock	3.02	0.30	0.33	0.36	0.39	0.26

Increase in Debtors	3.23	2.46	1.40	0.80	3.01	1.08
Repayment of Term Loan	1.40	4.20	4.20	4.20	4.20	3.25
Taxation	3.27	4.65	6.05	7.37	8.65	10.90
TOTAL :	39.51	11.61	11.98	12.73	16.25	15.49
Opening Cash & Bank Balance	-	9.15	16.78	28.21	42.78	57.74
Add: Surplus	9.15	7.64	11.43	14.57	14.96	22.91
Closing Cash & Bank Balance	9.15	16.78	28.21	42.78	57.74	80.65

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