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PROJECT REPORT

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PROJECT:

COIR MOULDED TRAY UNIT

PROJECT REPORT

Of

COIR MOULDED TRAY

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **COIR MOULDED TRAY**

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.]

PROJECT PROFILE FOR COIR DIVERSIFIED PRODUCT

PRODUCTION UNIT



INTRODUCTION

Coir wood made from coir fibre and resin has diversified new uses that will save the tropical forests, increases rural employment opportunities and also promotes agriculture leading to sustainable development. The coir composite material has different properties from their constituents alone. Coir wood composites can be made using coir as reinforcing material with or without plantation timber (Veneers like rubber veneer, bamboo, jute, glass) in between as a secondary reinforcement and then impregnated with polymeric matrix material like phenolic, polyester, epoxy etc. and processed under controlled temperature and pressure. The primary advantage of the coir wood composites is due to the coir, which is natural, eco-friendly and abundantly available material. The coir reinforcement fibre could be of coir felt, coir rope or coir sliver etc.

PROCESS OF MANUFACTURE

Coir needled felt is the raw material and it is a non-woven fabric made from decorticated coir fibre. In the manufacturing process, well cleaned coir fibre of good staple length passes through the cleaning machines by pneumatic suction and is needled by the needle loom on one side to evolve felts of different density, punching intensity, needle penetration and

thickness. The fibres are mechanically bonded (interlocked) to form a continuous length of sheet. No bonding material is used in the manufacture of Coir needled felt.

The Coir needled felt is converted into coir polymer composite boards using the phenol formaldehyde resin with which it is padded, dried and cured in the hydraulic press. The incorporation of controlled amount of resin to coir needled felt is achieved by polymer impregnation process in which a resin carrier fabric is pressed against the needled felt so that a part of the resin is transferred to the needled felt from the resin carrier fabric instantaneously. The resin uptake by the needled felt is controlled mainly by the resin carrying capacity of the fabric, pressure applied on the needled felt over the fabric, speed and the properties of the resin such as viscosity and solid content. Composite products from prepreg sheets are prepared by hot press moulding. The prepreg sheets are cut into the required size and stacked one over the other. The number of layers is dependent on the requirement of thickness of the component and the pressure applied for moulding varies depending on the density and surface finish of the product. The overall mechanical strength of the fibre reinforced plastic depends on the combined effect of the amount and kind of reinforcement and on its arrangement in the finished article.

PROJECTED BALANCE SHEET

PARTICULARS	IST YEAR	IIND YEAR	IIIRD YEAR	IVTH YEAR	VTH YEAR
<u>SOURCES OF FUND</u>					
Capital Account	2.50	2.50	2.50	2.50	2.50
Retained Profit	3.60	8.63	15.11	21.46	29.53
Term Loan	19.76	14.82	9.88	4.94	0.00
Cash Credit	2.75	2.75	2.75	2.75	2.75
Sundry Creditors	0.35	0.40	0.45	0.45	0.50
Provisions & Other Liab	0.36	0.40	0.44	0.48	0.53
TOTAL :	29.31	29.50	31.12	32.57	35.81
<u>APPLICATION OF FUND</u>					
Fixed Assets (Gross)	21.95	21.95	21.95	21.95	21.95
Gross Dep.	3.01	5.61	7.84	9.76	11.42
Net Fixed Assets	18.94	16.34	14.11	12.19	10.53
Current Assets					
Sundry Debtors	1.17	1.40	1.58	1.58	1.75
Stock in Hand	2.23	2.55	2.87	2.87	3.19
Cash and Bank	4.47	6.45	9.54	12.60	16.67
Deposits & Advances	2.50	2.75	3.03	3.33	3.66
TOTAL :	29.31	29.50	31.12	32.57	35.81

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PROJECTED CASH FLOW STATEMENT

PARTICULARS	IST YEAR	IIND YEAR	IIIRD YEAR	IVTH YEAR	VTH YEAR
<u>SOURCES OF FUND</u>					
Share Capital	2.50	-			
Reserve & Surplus	4.00	5.59	8.10	7.93	10.09
Depriciation & Exp. W/off	3.01	2.60	2.23	1.92	1.65
Increase in Cash Credit	2.75	-	-	-	-
Increase In Term Loan	19.76	-	-	-	-
Increase in Creditors	0.35	0.05	0.05	-	0.05
Increase in Provisions	0.36	0.04	0.04	0.04	0.05
TOTAL :	32.72	8.28	10.42	9.90	11.84
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	21.95	-	-	-	-
Increase in Stock	2.23	0.32	0.32	-	0.32
Increase in Debtors	1.17	0.23	0.18	0.01	0.17
Increase in Deposits & Adv	2.50	0.25	0.28	0.30	0.33
Repayment of Term Loan	-	4.94	4.94	4.94	4.93
Taxation	0.40	0.56	1.62	1.59	2.02
TOTAL :	28.25	6.30	7.33	6.84	7.77
Opening Cash & Bank Balance	-	4.47	6.45	9.54	12.60
Add : Surplus	4.47	1.99	3.09	3.06	4.07
Closing Cash & Bank Balance	4.47	6.45	9.54	12.60	16.67

PROJECTED PROFITABILITY STATEMENT

PARTICULARS	IST YEAR	IIND YEAR	IIIRD YEAR	IVTH YEAR	VTH YEAR
A) SALES					
Gross Sale	35.11	41.98	47.26	47.52	52.54
Total (A)	35.11	41.98	47.26	47.52	52.54
B) COST OF SALES					
Raw Mateiral Consumed	15.12	17.28	19.44	19.44	21.60
Electricity Expenses	2.11	2.41	2.71	2.71	3.01
Repair & Maintenance	-	0.42	0.47	0.48	0.53
Labour & Wages	6.34	6.97	7.67	8.43	9.28
Depriciation	3.01	2.60	2.23	1.92	1.65
Consumables and Other Expenses	0.70	0.84	0.95	0.95	1.05
Cost of Production	27.27	30.52	33.47	33.93	37.11
Add: Opening Stock /WIP	-	1.48	1.69	1.90	1.90
Less: Closing Stock /WIP	1.48	1.69	1.90	1.90	2.11
Cost of Sales (B)	25.79	30.30	33.25	33.93	36.90
C) GROSS PROFIT (A-B)	9.32	11.67	14.00	13.59	15.63
	27%	28%	30%	29%	30%
D) Bank Interest (Term Loan)	1.70	2.06	1.49	0.92	0.35
Bank Interest (C.C. Limit)	0.27	0.27	0.27	0.27	0.27
E) Salary to Staff	2.64	2.90	3.19	3.51	3.87
F) Selling & Adm Expenses Exp.	0.70	0.84	0.95	0.95	1.05
TOTAL (D+E)	5.32	6.08	5.91	5.66	5.55
H) NET PROFIT	4.00	5.59	8.10	7.93	10.09
I) Taxation	0.40	0.56	1.62	1.59	2.02
J) PROFIT (After Tax)	3.60	5.04	6.48	6.35	8.07

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