

EPS PROJECT REPORT



Overview

PRODUCT	EPS Disposables	
PRODUCT MIX	12" Round Tray - 4 Grams	
INSTALLED CAPACITY OF SHEET LINE	137.00	TPM
INSTALLED CAPACITY OF TFM	78.00	TPM
SCRAPE	0.00	TPM
EFFECTIVE OUTPUT OF TFM	39.60	TPM
BUILT UP AREA - 60 X 25	1500	Saure Meter
LAND AREA - 90 X 90	8100	Square Meter
PROJECT COST	541.99	Lakhs
MAN POWER	15	Persons
INSTALLED LOAD	847.00	KW
NET PROFIT	194.05	Lacs/ year
BREAK EVEN POINT	33.52	Months

Notes:

1. Monthly statement is calculated on net output of the Project.
2. No process loss and wastage are considered because same are entirely recycled.
3. Cost of rawmaterial and selling price are assumed and for indication only.
4. Power expenses and other expenses are derived from industry experince and same are for guidnace and indication only

PROJECT SUMMARY

Plant & machineries

	Qty.	Output kg/hr	Installed load	Operating load	Value Rs.in Lakhs
1. Tandem Sheet line	1	250	223.00		122.85
2. 4 Compartment gravimetric feeding System	1	N.A	2.25		20.00
3. EPS Thermoforming Machine	1	140 cycles/min	135.00		171.00
4. Area Grinder	1	N.A	7.50		8.00
5. Moulds	4	N.A	N.A		40.00
6. Pelletizing Line	1	100	126.00		53.00
7. Air Compressor	1	N.A	11.00		2.50
8. Chilling Plant - 35 tone	1	N.A	123.00		8.00
9. Gas Storage Tank, booster Pump, Safety Measure set	1	N.A	7.50		20.00
10. Fire Fighting Instalation	1	N.A	N.A		2.50
11. Materail Handling Equipements	1	N.A	N.A		2.50
12. Tools & Tackles	1	N.A	1.00		2.00
13. miscellaneous					10.00
Total			847.00	338.80	462.35
14. Electrification at Rs 8000 / kW					27.10
15. Margin for working capital					52.54
Total cost of project					541.99

Output Calculation of finished goods

Thermoformer's considered output	TPM	78.00
One thermoformer's output for 4 grms - 12" Round tray 100 cycles X 3 artilces per stroke		39.60
Sheet line capacity		137.5
Considering 33.34 % is trim waste, effective finished goods output		91.6575

Rawmaterial requirement

TPM

Lakhs

PS Granuals	65.67%	26.01	115	Rs. /Kg	29.91
Foam Recycled pallets	33.33%	13.20	115	Rs. /Kg	15.18
Gas	5.00%	8.10	45	Rs. /Kg	3.65
Additives - 1	0.50%	0.81	65	Rs. /Kg	0.53
Additives - 2	0.50%	0.81	437	Rs. /Kg	3.54
		40.82			52.80
Material input cost			129.33	Rs. /Kg	

Working capital requirement

Lakhs

Raw material	15	days	57.50
Stock in process	10	days	43.11
Finished goods	15	days	49.50
Receivables	0	days	0.00
		Total	150.11
Marging for working capital	35%		52.54

Manpower requirement

Owner	1	30000	0.3
Sales Manpower	2	15000	0.3
Admin personnel	1	10000	0.1
Account Assistant	1	10000	0.1
Production Manager	1	20000	0.2
Machine operator	2	15000	0.3
Operator Assistant	2	9000	0.18
Maintance Engineer	2	10000	0.2
Helpers for packing	5	7500	0.375
Total	17	Total	2.055

MONTHLY STATEMENT

					Lakhs
A. Income from sales	39.60	MT	250	Rs/kg	99.00
B. Expenditure					
1. Raw material consumption	39.60	MT	121	Rs/kg	47.92
2. Manufacturing expenditure					27.70
- Power cost				2.53	
- Manpower				1.26	
- Packing Cost				6.73	
- Premise rental				2.00	
- Depreciation				6.12	
- Insurance				0.80	
- Repairs & maintenance				0.60	
- Surplus Excise				7.66	
3. Selling & Admn. Expenses					2.40
- Manpower				0.80	
- Advertising				1.00	
- Communication				0.60	
4. Finance costs					4.81
- Interest @ 13% p.a. on bank borrowing (75%) towards capital expenditure				3.76	
- Interest on bank borrowing towards working capital				1.06	
NET MONTHLY PROFIT					16.17