

PP CONTAINER THERMOFORMING PROJECT

CAPACITY : 15 LACS CUPS / DAY

ASSUMPTIONS

- # Sheet line installed capacity is considered 100.00 TPM
- # Scrap generation is considered @ 50% 50.00 TPM
- # Net output can be 50.00 TPM
- # Thermoforming capacity is considered 51.00 TPM
7.5 lacs containers / day each weighing 1.7 grms
7.5 x 1.7 x 25.5
- # This means that there will be slight spare capacity on thermoforming
- # Monthly profitability is calculated at full capacity utilization
- # Process loss is considered @ 1% although it will be far less
- # Wastages have not been separately considered, as the same is entirely recycled.
- # Cost of raw material and selling price needs critical evaluation and ELPIE owns no responsibility on this account.
- # Power consumption and other expenditure have been calculated on the basis of industry experience and can not be considered binding or obligatory on ELPIE.

PROJECT PROFITABILITY SUMMARY

Product Disposable Cups & Glasses made of PP

Installed capacity 15 lacs cups / day

Infrastructure required

Built-up area	5000 sq.ft.	Rental	35000
Storage space	10000 sq.ft.	Rental	30000

Plant & machineries

	<u>Qty.</u>	<u>Output kg/hr</u>	<u>Installed load kW</u>	<u>Operating load kW</u>	<u>Value Rs.in lacs</u>
1. Sheet line model LPS-90 PP	1	200	114.00	57.00	53.11
2. Thermoforming machine Model LPF-6535 PP	2	N.A.	126.00	63.00	55.02
3. Thermoforming moulds	4	N.A.	N.A.	N.A.	23.00
4. Air compressor *	2	N.A.	30.00	15.00	6.00
5. Cooling tower for sheet line	1	N.A.	2.20	1.10	1.00
6. Chilling plant (10 Ton) *	2	N.A.	15.00	7.50	4.22
7. Scrap grinder *	1	150	11.00	5.50	4.00
8. Tools & tackles *	1 Set	N.A.	5.00	2.50	3.50
Total			303.20	151.60	149.85
8. Electrification at Rs.5000 / kW					15.16
9. Margin for working capital					36.00
Total cost of project					201.01

Working capital requirement

			<u>Rs.in lacs</u>
Raw material	15	days	37.50
Stock in process	5	days	12.50
Finished goods	10	days	25.00
Receivables	15	days	45.00
		Total	120.00
Margin for working capital	30%		36.00

Manpower requirement

Manager	1	15000	0.15
Sheet line operator (1 + 2)	3	5000	0.15

Thermoformer operator (2 + 3)	5	6000	0.30
Helpers for packing	24	2000	0.48
		Total	1.08

* Items are not of ELPIE supply and therefore prices as well as installed & operating load are only indicative which should be checked with original manufacturers.

MONTHLY PROFITABILITY STATEMENT

			Rs. in lacs
A. Income			
Sale proceeds for container	52.00 MT @ Rs.	175	91.00
B. Expenditure			75.22
1. Raw material consumptior	52.52 MT @ Rs.	120	63.02
2. Manufacturing expenditure			9.23
- Power cost			3.79
- Manpower			1.08
- Packing cost	15.00 Lacs container	0.5	1.88
- Premise rental			0.65
- Depreciation			1.50
- Insurance			0.03
- Repairs & maintenance			0.30
3. Selling & Admn. Expenses			0.72
- Manpower			0.29
- Advertising			0.29
- Communication			0.14
4. Finance costs			2.25
- Interest @ 14% p.a. on bank borrowing (65%) towards capital expenditure			1.41
- Interest on bank borrowing towards working capital			0.84
Net monthly profit			15.78