



MODEL PROJECT REPORT



PROJECT REPORT ON DISPOSABLE PLATES DONA

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Disposable Paper Plates & Dona

Product & Applications

Disposable paper plates and saucers as the name suggests are made out of special quality paper reinforced with polythene sheets to make it leak proof. These products are conveniently used for serving eatables during family functions, eating chats and snacks, fruits, sweets etc. Most of the sweet shops use it for serving their customers with dry as well as wet sweets/ namkeens. The caterers utilize it during parties and social functions. These are a convenient replacement for crockery and utensils. These have many advantages over conventional crockery/ steel utensils. Whereas conventional utensils need care in handling, have to be cleaned before and after use need lot of space for storage and are difficult to handle these products are light in weight, are disposable after use, cheaper and can be stored easily. These are very cheap as compared to convention utensils. The paper plates and bowls are made by fusing two layers of good quality paper with a sheet of polythene. The product can be in any desired shape and size depending upon the die employed for manufacture. The quality of paper used is generally of importance as it should be firm enough to maintain the shape and hold the weight of the eatable served in it.

Market Potential

These products have an urban as well as rural market. These products are mostly used during social functions, religious gatherings, parties, marriages, outings, in sweet shops, by caterers etc. The products have many advantages and are hence preferred as compared to standard utensils/crockery for serving eatables. They can easily be disposed off after use and hence save a lot of labour as far as cleaning/drying of utensils are concerned. These are easily transportable and easy to handle. In our country people are religious and organize functions throughout the year all such occasions call for social gathering and celebrations with meals, snacks sweets being served. Further, our vast population organizes marriages, celebrates birthdays and other family functions on a regular basis. Sweet shops and small eateries can be found at every street corner and all such joints use these disposable plates and bowls. Thus keeping in view the culture of the people and the habits there is a vast market for the products not only in urban areas but also in rural areas.

Manufacturing Process & Know How

The process of manufacturing is not very complicated. The product is manufactured using the specific die. The Silver Paper Dona paper roll are previously cut to size or can also be purchased as per the production requirement. The specific die is mounted on the press and the die is heated to the desired temperature. The Silver Paper Dona paper roll are placed in between the male-female die parts and pressure is applied so that the product takes shape. The formed product is next removed and another set is loaded. The machine is an ordinary press with one fixed platform and another moving plunger. The movement of the plunger is through hydraulic mechanism.

The formed products are collected and the edges are trimmed to give it a proper shape. The plates and bowls are packed separately and stocked for dispatch.

Know how is available with the machinery suppliers. The machinery is all indigenously available.

The production capacity envisaged is 30000-40000 nos per day per for 300 days per year

Machinery Details

MODEL NO. PMDP – 4000(HD) SMRAT **FULLY AUTOMATIC DONA, PLATE DOBOULE DIE MACHINE**



PRICE :- 71,500/-

MODEL	PMDP- 4000 (HD)SMART
BODY	STEEL BODY
PAPER DONA, PLATE, THALI, DIE SIZE SUPPORT	4" TO 15"
PAPER MATERIAL USED	80 GSM TO 180 GSM
PRODUCTION	2600 TO 6000 PCS/HOUS (DEPENDING ON PAPER SIZE & GSM)
POWER SOURCE	220 V 50 Hz
ELECTRIC MOTOR	0.5HP -1440 RPM (SINGLE PHASE)(COMPTON MOTOR
WEIGHT OF MACHINE	750 KG APPROX
POWER CONSUMPTION WITH HEATER	1 TO 1.5 UNIT/ HR. APPROX
SIZE OF MACHINE	30"X 60" X 68"

FEATURES:

- MANY TYPES OF MOLD CAN CHANG.
- THIS IS HIGH SPEED CRNK MACHINE.
- IN THIS MACHINE USE MANY TYPES OF PAPER SUCH AS SILVER, COLOUR AND MICA PAPER CAN DO IT
- FACILITY DIGITAL COUNTING SYSTEM

PMDP -4000 HD(SMART) Fully Automatic Double Die Machine In this, steel body machine machine plus counting system is also built on the 3 inch channel angle. This machine can not contain 15 inch plate. In this machine, you can make the plate plate and plate in this machine. Heating Controlling System.



Paper cup License Registration

- First of all, determination of form of business. And accordingly, register the business.
- Apply for the Trade License/ Factory license from the Municipal Authority.
- Additionally, apply for MSME Udyog Aadhaar online registration.
- Obtain the GST registration.
- Fire /Pollution Registration as required
- Choice of brand name of the product and secure the name with Trademark if required

Implementation Schedule

The project can be implemented in 3 to 4months'time as detailed below:

Sr.No.	Activity	Time Required (in months)
1	Acquisition of premises	1
2	Construction (if applicable)	1-2 Months
3	Procurement & installation of Plant & Machinery	1
4	Arrangement of Finance	1
5	Recruitment of required manpower	1
	Total time required (some activities shall run concurrently)	3-4 Months

PROJECT ECONOMICS

CALCULATION OF SALE AND PRODUCTION

Cost of Raw Material

*Manufacturing of Paper Dona ,Plate requires consumption of Silver Dona Paper Roll

Cost of 1kg Silver paper Dona paper roll	50.00	Rs per kg
Paper Dona Manufactured in 1 Kg (of 5.5 Inches)	550.00	Pcs

Project details

Size of Dona, Plate	5.5 Inches	
Production Capacity	50.00	Pieces per minute
Per hour Capacity	3,000	Pieces per hour
No.of working hours per day	10	hours
Production per day	30,000	Pieces
No. of working days per year	300	days
Annual Production	9,000,000.00	Pieces per annum

Consumption of Raw Material

Production Capacity	9,000,000.00	pieces per annum
Quantity of Paper roll required	<u>16,363.64</u>	kg
Cost of Paper roll(bottom)	<u>818,181.82</u>	Rs.
Total Annual cost		

Computation of Sales

Production Capacity	9,000,000.00	pieces per day
Selling prices of Dona	<u>Rs. 135/1000</u>	pieces
Sales realized	<u>1,215,000.00</u>	Rs.

COST OF PROJECT & MEANS OF FINANCE

Particulars	Amount	Margin	Finance
Land		Owned/Rented	
Building & Civil work	3.00	1.00	2.00
Plant & Machinery	0.85	0.30	0.55
Other Assets(equipment's & fixtures)	1.50	0.60	0.90
			-
Grand Total	5.35	1.90	3.45

SOURCES OF FUND

<i>PARTICULARS</i>	<i>TOTAL</i>
Capital/Internal Accrual	1.90
Term Loan	3.45
Grand Total	5.35

PROJECTED PROFITABILITY STATEMENT

PARTICULARS	I Proj	II Proj	III Proj	IV Proj	V Proj
<u>SALES</u>					
Revenue from Operations	12.15	13.00	14.00	15.00	17.00
Total (A)	12.15	13.00	14.00	15.00	17.00
Raw Material Purchase	8.99	8.45	8.68	9.00	10.20
Salary & Wages	1.00	1.10	1.21	1.33	1.46
Power	0.50	0.55	0.61	0.67	0.73
Other Direct Expenses	0.30	0.33	0.35	0.38	0.43
	10.80	10.43	10.85	11.37	12.82
Add: Opening Stock	-	1.26	1.57	1.66	1.75
Less: Closing Stock	1.26	1.57	1.66	1.75	1.98
	9.54	10.11	10.76	11.28	12.59
GROSS PROFIT	2.61	2.89	3.24	3.72	4.41
	21.5%	22.2%	23.1%	24.8%	26.0%
Selling & Administrative Expenses	0.12	0.13	0.14	0.15	0.17
Depreciation	0.50	0.44	0.39	0.35	0.31
Interest on Term loan	0.37	0.31	0.22	0.14	0.06
	1.00	0.88	0.75	0.63	0.53
NET PROFIT BEFORE TAX	1.62	2.01	2.49	3.09	3.88
NET PROFIT AFTER TAX	1.62	2.01	2.49	3.09	3.88
ADD : DEPRECIATION	0.50	0.44	0.39	0.35	0.31
CASH ACCRUALS	2.12	2.45	2.88	3.43	4.19

PROJECTED BALANCE SHEET

PARTICULARS	I Proj	II Proj	III Proj	IV Proj	V Proj
<u>SOURCES OF FUND</u>					
<u>Capital A/c</u>					
Opening Balance	-	3.02	4.02	5.01	6.10
Add: Addition	1.90	-	-	-	
Add: Net Profit after tax	1.62	2.01	2.49	3.09	3.88
Less : Drawings	0.50	1.00	1.50	2.00	3.50
	3.02	4.02	5.01	6.10	6.48
Term Loan	3.07	2.31	1.55	0.79	-
<u>Current Liabilities</u>					
Sundry Creditors	0.90	0.85	1.04	1.35	1.53
Other Current Liabilities	1.00	1.10	1.21	1.33	1.47
TOTAL :	7.98	8.28	8.81	9.57	9.48
<u>APPLICATION OF FUND</u>					
Fixed Assets (Gross)	5.35	5.35	5.35	5.35	5.35
Gross Dep.	0.50	0.94	1.33	1.68	1.99
Net Fixed Assets	4.85	4.41	4.02	3.67	3.36
Stock	1.26	1.57	1.66	1.75	1.98
Sundry Debtors	0.85	0.91	0.84	0.90	1.02
Cash and Bank	1.03	1.39	2.30	3.25	3.11
TOTAL :	7.98	8.28	8.81	9.57	9.48
	-	-	-	-	-

PROJECTED CASH FLOW STATEMENT

PARTICULARS	I Proj	II Proj	III Proj	IV Proj	V Proj
<u>SOURCES OF FUND</u>					
Incr. in Capital	1.90	-	-	-	-
Net Profit after tax	1.62	2.01	2.49	3.09	3.88
Depriciation & Exp. W/off	0.50	0.44	0.39	0.35	0.31
Incr. in Term loan	3.45	-	-	-	-
Incr. in working Capital limit	-	-	-	-	-
Incr. in Creditors	0.90	(0.05)	0.20	0.31	0.18
Incr. in Provisions	1.00	0.10	0.11	0.12	0.13
TOTAL :	9.37	2.50	3.18	3.86	4.50
<u>APPLICATION OF FUND</u>					
Incr. in Fixed Assets	5.35	-	-	-	-
Incr. in Debtors	0.85	0.06	(0.07)	0.06	0.12
Incr. in Stock	1.26	0.31	0.09	0.09	0.23
Repayment of Term loan	0.38	0.76	0.76	0.76	0.79
Drawings	0.50	1.00	1.50	2.00	3.50
TOTAL :	8.34	2.13	2.28	2.91	4.64
Opening Cash & Bank Balance	-	1.03	1.39	2.30	3.25
Add : Surplus	1.03	0.37	0.91	0.95	(0.14)
Closing Cash & Bank Balance	1.03	1.39	2.30	3.25	3.11

**REPAYMENT SCHEDULE OF
TERM LOAN**

Interest Rate
11%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	CI Balance
I	Opening Balance						
	Ist Quarter	-	3.45	3.45	0.09	-	3.45
	IInd Quarter	3.45	-	3.45	0.09	-	3.45
	IIIrd Quarter	3.45	-	3.45	0.09	0.19	3.26
	IVth Quarter	3.26	-	3.26	0.09	0.19	3.07
			3.45		0.37	0.38	
II	Opening Balance						
	Ist Quarter	3.07	-	3.07	0.08	0.19	2.88
	IInd Quarter	2.88	-	2.88	0.08	0.19	2.69
	IIIrd Quarter	2.69	-	2.69	0.07	0.19	2.50
	IVth Quarter	2.50	-	2.50	0.07	0.19	2.31
					0.31	0.76	
III	Opening Balance						
	Ist Quarter	2.31	-	2.31	0.06	0.19	2.12
	IInd Quarter	2.12	-	2.12	0.06	0.19	1.93
	IIIrd Quarter	1.93	-	1.93	0.05	0.19	1.74
	IVth Quarter	1.74	-	1.74	0.05	0.19	1.55
					0.22	0.76	
IV	Opening Balance						
	Ist Quarter	1.55	-	1.55	0.04	0.19	1.36
	IInd Quarter	1.36	-	1.36	0.04	0.19	1.17
	IIIrd Quarter	1.17	-	1.17	0.03	0.19	0.98
	IVth Quarter	0.98	-	0.98	0.03	0.19	0.79
					0.14	0.76	
V	Opening Balance						
	Ist Quarter	0.79	-	0.79	0.02	0.19	0.60
	IInd Quarter	0.60	-	0.60	0.02	0.19	0.41
	IIIrd Quarter	0.41	-	0.41	0.01	0.19	0.22
	IVth Quarter	0.22	-	0.22	0.01	0.22	(0.00)
					0.06	0.79	

DEPRECIATION SCHEDULE

Description	Land & Building	Plant & Machinery	Total
	5.00%	15.00%	
Opening Balance	0.00	0.00	0.00
Addition	3.00	2.35	5.35
	3.00	2.35	5.35
Less : Depreciation	0.15	0.35	0.50
WDV at the end of 1st year	2.85	2.00	4.85
Addition	0.00	0.00	0.00
	2.85	2.00	4.85
Less : Depreciation	0.14	0.30	0.44
WDV at the end of 2nd year	2.71	1.70	4.41
Addition	0.00	0.00	0.00
	2.71	1.70	4.41
Less : Depreciation	0.14	0.25	0.39
WDV at the end of 3rd year	2.57	1.44	4.02
Addition	0.00	0.00	0.00
	2.57	1.44	4.02
Less : Depreciation	0.13	0.22	0.35
WDV at the end of 4th year	2.44	1.23	3.67
Addition	0.00	0.00	0.00
	2.44	1.23	3.67
Less : Depreciation	0.12	0.18	0.31
WDV at the end of 5th year	2.32	1.04	3.36

DEBT SERVICE COVERAGE RATIO

Particulars	I	II	III	IV	V
NET PROFIT AFTER TAX	1.62	2.01	2.49	3.09	3.88
Add : Depreciation	0.50	0.44	0.39	0.35	0.31
CASH ACCRUALS	2.12	2.45	2.88	3.43	4.19
ADD: INTEREST ON LOAN	0.37	0.31	0.22	0.14	0.06
TOTAL (A)	2.49	2.76	3.10	3.57	4.24
REPAYMENT OBLIGATIONS					
REPAYMENT OF LOAN	0.38	0.76	0.76	0.76	0.79
INTT. ON LOAN	0.37	0.31	0.22	0.14	0.06
TOTAL (B)	0.75	1.07	0.98	0.90	0.85
D.S.C.R.(A/B)	3.30	2.58	3.16	3.97	5.02
AVG. D.S.C.R.			3.55		

RETURN ON CAPITAL EMPLOYED					
Net Profit	1.62	2.01	2.49	3.09	3.88
Capital Employed	6.09	6.33	6.56	6.89	6.48
ROCE (%)	27%	32%	38%	45%	60%