

PROJECT REPORT

Of

TOILET PAPER ROLL

PURPOSE OF THE DOCUMENT

This particular pre-feasibility is regarding **Toilet Paper Roll**.

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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TOILET PAPER ROLL



Introduction

Toilet paper, sometimes called toilet tissue in Britain, is a tissue paper product primarily used to clean the anus and surrounding area of faecal material after defecation and to clean. It also acts as a layer of protection for the hands during these processes. It is usually supplied as a long strip of perforated paper wrapped around a paperboard core for storage in a dispenser near a toilet. Most modern toilet paper in the developed world is designed to decompose in septic tanks, whereas some other bathroom and facial tissues are not. Toilet paper comes in various numbers of plies (layers of thickness), from one- to six-ply, with more back-to-back plies providing greater strength and absorbency.

The use of paper for hygiene has been recorded in China in the 6th century AD, with specifically manufactured toilet paper being mass-produced in the 14th century.[2] Modern commercial toilet paper originated in the 19th century, with a patent for roll-based dispensers being made in 1883.

Description of Toilet Paper Roll Machine

Machinery for Toilet Paper Roll includes the following:

- Main Machinery (Automatic/ Normal)

Toilet paper Machines are used to produce toilet paper in bulk quantities. With the help of this machine the work of feeding,

shredding, threading and giving it finish completes in a very short span. This machine is mostly used in the paper making industries to make different types of paper roll etc.

These Automatic toilet Paper roll Machines are very much helpful in folding the jumbo roll either into the shape or square or rectangular as per the need. Its speed is outstanding and totally controlled by the Control device. Besides, because of the cutting-edge technology, it also counts the number of roll it produces at a time. An extra remote for handling the device is attached in the machine, so, one can control its speed while operating the machine.

Toilet Paper Roll Market Analysis

By 2025, it is anticipated that India has almost one-third of the world market for tissue paper machines. During the forecast period, there will be only a small change in the market share of the region. India was the world's largest global woven paper packaging market in 2018. It is also expected to participate very much in the line of kitchen roll, toilet paper roll packaging. In addition, the market will have favourable prospects in this country. The average sale price of machinery in India is very low and the penetration rate of low capacity packaging machines is high. Therefore, Korea offers an environment to help expand the market. It is likely that India will enjoy a strong implementation in the world market of tissue paper packaging machines.

Toilet Paper Roll Manufacturing Process

- Load the Jumbo roll on the machine.
- Loading of the core.
- Embossing on Plain Paper.
- Perforation
- Online slitting
- Cutting of paper with rewinding
- Gumming after rewinding
- Cut the logs of 32 inch or 56 inch on slicer into toilet roll of 4 inch(if no online slitting)
- Packaging of Goods

Machinery & Equipment's required:

Name	Cost
Toilet Paper Roll Machine	315000
Total	3,15,000

- ❖ Cost of the machine is exclusive of GST & value of the machine varies with the change in batch size.

Land & Building required:

Land required 500 Square Feet (approx.)

Approximate construction cost for the same is 250000. (approx.)

Labour Requirement:

3 Manpower is required for Toilet Paper Roll unit.

Includes:

1 skilled Labour

2 Unskilled Labour

Raw Material Requirement of Toilet Paper Roll

Types of raw material

1. Soft
2. Hard

Raw material of toilet paper roll is available in the market

Soft Paper (cost per KG) = Rs.70-72

Hard Paper (cost per KG) = Rs.60-64

Toilet Paper Roll License & registration

For Proprietor:

- Obtain the GST registration.
- Fire/ Pollution Registration as required.
- Choice of a Brand Name of the product and secure the name with Trademark if required.

Implementation Schedule

S.N.	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	Requirement of required Manpower	1
	Total time Required (some activities shall run concurrently)	2-3 Months

PROJECT AT A GLANCE

- 1** Name of the Entrepreneur **XX**
- 2** Constitution (legal Status) :
- 3** Father's/Spouce's Name **XX**
- 4** Unit Address :
- Taluk/Block: **XX**
- District : **XX**
- Pin:
- E-Mail : **XX**
- Mobile **XX**
- 5** Product and By Product : Toilet Paper Roll
- 6** Name of the project / business activity proposed :
- 7** Cost of Project : **Rs.** 7.22
- 8 Means of Finance**
- Term Loan **Rs.** 6.50 Lacs
25% of 7.22 Lacs (1.80 Lacs)
- KVIC Margin Money **Rs.** Lacs)
- Own Capital **Rs.** 1.22 Lacs
- 9** Debt Service Coverage Ratio :
- 10** Pay Back Period : 4 years 11 month
- 11** Project Implementation Period : 6 months
- 12** Employment :
- 13** Power Requirement : 3 KW connection
- 14** Major Raw materials : Paper roll of 17 GSm
- 15** Estimated Annual Sales Turnover : 61.88 Lacs (at 50% capacity)
- 16** Detailed Cost of Project & Means of Finance

COST OF PROJECT

(Rs. In Lacs)

Particulars	Amount
Land	
Building & Civil Work	2.50
Plant & Machinery	3.72

MEANS OF FINANCE

Furniture & Fixtures	1.00
Pre-operative Expenses	
Contingencies	
Working Capital Requirement	5.00
Total	12.22

Particulars	Amount
Own Contribution	1.22
Bank Finance	6.50
working capital from bank	4.50
Total	12.22
KVIC Margin Money	25% of 7.22 Lacs (1.80 Lacs)

FINANCIAL ASSISTANCE REQUIRED

Term Loan of Rs. 6.50 Lacs and Working Capital limit of Rs. 4.5 Lacs

COST OF PROJECT

PARTICULARS	AMOUNT	AMOUNT	AMOUNT
		10.00%	90.00%
Building Civil Work	2.50	0.25	2.25
Plant & Machinery Furniture & Fixtures and Other Assets	3.72	0.37	3.35
Working capital	5.00	0.50	4.50
Total	12.22	1.22	11.00

MEANS OF FINANCE

PARTICULARS	AMOUNT
Own Contribution	1.22
Bank Loan	6.50
Working capital Limit	4.50
Total	12.22

COMPUTATION OF PRODUCTION OF TOILET PAPER ROLL

Items to be Manufactured		
Toilet Paper Roll		
machine capacity per day		4500 Roll
machine capacity per annum		1080000 Roll
1 Roll of toilet paper consists	100.00	Gram
total raw material required	108,000	KG

Production of Toilet Paper Roll		
Production	Capacity	Roll
1st year	50%	540,000
2nd year	53%	572,400
3rd year	55%	594,000
4th year	58%	626,400
5th year	60%	648,000

Raw Material Cost			
Year	Capacity Utilisation	KG	Amount (Rs. in lacs)
1st year	50%	75.00	40.50
2nd year	53%	76.00	43.50
3rd year	55%	77.00	45.74
4th year	58%	78.00	48.86
5th year	60%	79.00	51.19

COMPUTATION OF SALE

Particulars	1st year	2nd year	3rd year	4th year	5th year
Op Stock	-	45,000	47,700	49,500	52,200
Production	540,000	572,400	594,000	626,400	648,000
Less : Closing Stock	45,000	47,700	49,500	52,200	54,000
Net Sale	495,000	569,700	592,200	623,700	646,200
sale price per piece	12.50	12.60	12.70	12.80	12.90
Sales (in Lacs)	61.88	71.78	75.21	79.83	83.36

BREAK UP OF LABOUR CHARGES

Particulars	Wages	No of	Total
	Per Month	Employees	Salary
Skilled	20000	1	20000
Unskilled	15000	2	30000
Total Salary Per Month			50000
Total Annual Labour Charges	(in Lacs)		6.00

BREAK UP OF STAFF Charges			
Particulars	Wages Per Month	No of Employees	Total Salary
Helper	8000	1	8000
Total Salary Per Month			8000
Total Annual Labour Charges	(in Lacs)		0.96

Utility Charges at 100% capacity (per month)		
Particulars	value	Description
Power connection required	3	KWH
consumption per day	30	units
Consumption per month	600	units
Rate per Unit	7	Rs.
power Bill per month	4200	Rs.

PROJECTED PROFITABILITY STATEMENT					
	-	-	-		
PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
Capacity Utilisation %	50%	53%	55%	58%	60%
<u>SALES</u>					
Gross Sale					
Toilet Paper Roll	61.88	71.78	75.21	79.83	83.36
Total	61.88	71.78	75.21	79.83	83.36
<u>COST OF SALES</u>					
Raw Mateiral Consumed	40.50	43.50	45.74	48.86	51.19
Elecricity Expenses	0.50	0.55	0.61	0.67	0.74
Depriciation	0.91	0.79	0.69	0.60	0.52
Consumables	4.02	4.67	4.89	5.19	5.42
Repair & maintenace	2.66	3.09	3.23	3.43	3.58
other direct expenses	2.60	3.01	3.16	3.35	3.50
Packaging Chatges	0.62	0.72	0.75	0.80	0.83
Labour	6.00	6.60	7.26	7.99	8.78
Cost of Production	57.81	62.93	66.33	70.89	74.57
Add: Opening Stock /WIP	-	4.82	5.24	5.53	5.91
Less: Closing Stock /WIP	4.82	5.24	5.53	5.91	6.21
Cost of Sales	52.99	62.50	66.04	70.51	74.27
GROSS PROFIT	8.88	9.28	9.16	9.33	9.09
salary to staff	0.96	1.06	1.16	1.28	1.34
Interest on Term Loan	0.64	0.60	0.48	0.36	0.04
Interest on working Capital	0.54	0.54	0.54	0.54	0.54
Selling & adm Exp	3.40	3.73	3.16	3.19	3.08

TOTAL	5.55	5.93	5.34	5.37	5.00
NET PROFIT	3.34	3.35	3.82	3.95	4.09
Taxation					
PROFIT (After Tax)	3.34	3.35	3.82	3.95	4.09

PROJECTED BALANCE SHEET

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>Liabilities</u>					
Capital					
opening balance		2.81	4.16	5.68	7.23
<i>Add:- Own Capital</i>	1.22				
Add:- Retained Profit	3.34	3.35	3.82	3.95	4.09
Less:- Drawings	1.75	2.00	2.30	2.40	2.50
Closing Blance	2.81	4.16	5.68	7.23	8.82
Subsidy Reserve	1.80	1.80	1.80	-	-
Term Loan	5.96	4.88	3.80	0.92	-
Working Capital Limit	4.50	4.50	4.50	4.50	4.50
Sundry Creditors	1.69	1.81	1.91	3.05	2.99
Provisions & Other Liab	0.30	0.40	0.55	0.66	0.83
TOTAL :	17.05	17.54	18.23	16.36	17.13
<u>Assets</u>					
Fixed Assets (Gross)	7.22	7.22	7.22	7.22	7.22
Gross Dep.	0.91	1.70	2.38	2.98	3.50
Net Fixed Assets	6.31	5.52	4.83	4.24	3.72
FD of Subsidy	1.80	1.80	1.80		
Current Assets					
Sundry Debtors	1.29	2.39	3.13	3.33	4.17
Stock in Hand	5.66	6.15	6.48	6.93	7.28
Cash and Bank	1.99	1.68	1.98	1.87	1.97
TOTAL :	17.05	17.54	18.23	16.36	17.13

PROJECTED CASH FLOW STATEMENT

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>SOURCES OF FUND</u>					
Own Margin	1.22				
Net Profit	3.34	3.35	3.82	3.95	4.09
Depriciation & Exp. W/off	0.91	0.79	0.69	0.60	0.52
Increase in Cash Credit	4.50	-	-	-	-
Increase In Term Loan	6.50	-	-	-	-
Increase in Creditors	1.69	0.13	0.09	1.15	0.07
Increase in Provisions & Oth lib	0.30	0.10	0.15	0.11	0.17
increase in subsidy	1.80				
TOTAL :	20.25	4.36	4.75	5.81	4.71
<u>APPLICATION OF FUND</u>					
Increase in Fixed Assets	7.22				
Increase in Stock	5.66	0.49	0.33	0.44	0.36
Increase in Debtors	1.29	1.10	0.74	0.19	0.84
Repayment of Term Loan	0.54	1.08	1.08	2.88	0.92
Increase in FD	1.80	-	-		
Drawings	1.75	2.00	2.30	2.40	2.50
Taxation	-	-	-	-	-
TOTAL :	18.26	4.67	4.45	5.92	4.61
Opening Cash & Bank Balance	-	1.99	1.68	1.98	1.87
Add : Surplus	1.99	0.31	0.30	0.11	0.10
Closing Cash & Bank Balance	1.99	1.68	1.98	1.87	1.97

COMPUTATION OF CLOSING STOCK & WORKING CAPITAL

PARTICULARS	1st year	2nd year	3rd year	4th year	5th year
<u>Finished Goods</u>					
	4.82	5.24	5.53	5.91	6.21
<u>Raw Material</u>					
	0.84	0.91	0.95	1.02	1.07
Closing Stock	5.66	6.15	6.48	6.93	7.28

COMPUTATION OF WORKING CAPITAL REQUIREMENT

TRADITIONAL METHOD					
Particulars	Amount	Own Margin		Bank Finance	
Finished Goods & Raw Material	5.66				
Less : Creditors	1.69				
Paid stock	3.97	10%	0.40	90%	3.58
Sundry Debtors	1.29	10%	0.13	90%	1.16
	5.26		0.53		4.74
WORKING CAPITAL LIMIT DEMAND (from Bank)				4.50	

2nd Method		
PARTICULARS	1st year	2nd year
Total Current Assets	8.94	10.22
Other Current Liabilities	1.99	2.21
Working Capital Gap	6.95	8.01
Min Working Capital		
25% of WCG	1.74	2.00
Actual NWC	2.45	3.51
item III - IV	5.21	6.01
item III - V	4.50	4.50
MPBF (Lower of VI & VII)	4.50	4.50

3rd Method		
PARTICULARS	1st year	2nd year
Total Current Assets	8.94	10.22
Other Current Liabilities	1.99	2.21
Working Capital Gap	6.95	8.01
Min Working Capital		
25% of Current Assets	2.24	2.56
Actual NWC	2.45	3.51
item III - IV	4.72	5.45
item III - V	4.50	4.50
MPBF (Lower of VI & VII)	4.50	4.50

COMPUTATION OF DEPRECIATION

Description	Building	Plant & Machinery	Furniture	TOTAL
Rate of Depreciation	10.00%	15.00%	10.00%	
Opening Balance	-	-	-	-
Addition	2.50	3.72	1.00	7.22
Total	2.50	3.72	1.00	7.22
Less : Depreciation	0.25	0.56	0.10	0.91
WDV at end of Year	2.25	3.16	0.90	6.31
Additions During The Year	-	-	-	-
Total	2.25	3.16	0.90	6.31
Less : Depreciation	0.23	0.47	0.09	0.79
WDV at end of Year	2.03	2.69	0.81	5.52
Additions During The Year	-	-	-	-
Total	2.03	2.69	0.81	5.52
Less : Depreciation	0.20	0.40	0.08	0.69
WDV at end of Year	1.82	2.28	0.73	4.83
Additions During The Year	-	-	-	-
Total	1.82	2.28	0.73	4.83
Less : Depreciation	0.18	0.34	0.07	0.60
WDV at end of Year	1.64	1.94	0.66	4.24
Additions During The Year	-	-	-	-
Total	1.64	1.94	0.66	4.24
Less : Depreciation	0.16	0.29	0.07	0.52
WDV at end of Year	1.48	1.65	0.59	3.72
Additions During The Year	-	-	-	-
Total	1.48	1.65	0.59	3.72

Less : Depreciation	0.15	0.25	0.06	0.45
WDV at end of Year	1.33	1.40	0.53	3.26
Less : Depreciation	0.13	0.21	0.05	0.40
WDV at end of Year	1.20	1.19	0.48	2.87
Less : Depreciation	0.12	0.18	0.05	0.35
WDV at end of Year	1.08	1.01	0.43	2.52

REPAYMENT SCHEDULE OF TERM LOAN

Interest 11.00%

Year	Particulars	Amount	Addition	Total	Interest	Repayment	Closing Balance
1st	Opening Balance						
	1st month	-	6.50	6.50	-	-	6.50
	2nd month	6.50	-	6.50	0.06	-	6.50
	3rd month	6.50	-	6.50	0.06	-	6.50
	4th month	6.50	-	6.50	0.06	-	6.50
	5th month	6.50	-	6.50	0.06	-	6.50
	6th month	6.50	-	6.50	0.06	-	6.50
	7th month	6.50	-	6.50	0.06	0.09	6.41
	8th month	6.41	-	6.41	0.06	0.09	6.32
	9th month	6.32	-	6.32	0.06	0.09	6.23
	10th month	6.23	-	6.23	0.06	0.09	6.14
	11th month	6.14	-	6.14	0.06	0.09	6.05
	12th month	6.05	-	6.05	0.06	0.09	5.96
					0.64	0.54	
2nd	Opening Balance						
	1st month	5.96	-	5.96	0.05	0.09	5.87
	2nd month	5.87	-	5.87	0.05	0.09	5.78
	3rd month	5.78	-	5.78	0.05	0.09	5.69
	4th month	5.69	-	5.69	0.05	0.09	5.60
	5th month	5.60	-	5.60	0.05	0.09	5.51
	6th month	5.51	-	5.51	0.05	0.09	5.42
	7th month	5.42	-	5.42	0.05	0.09	5.33
	8th month	5.33	-	5.33	0.05	0.09	5.24
	9th month	5.24	-	5.24	0.05	0.09	5.15
	10th month	5.15	-	5.15	0.05	0.09	5.06
	11th month	5.06	-	5.06	0.05	0.09	4.97
	12th month	4.97	-	4.97	0.05	0.09	4.88

				0.60	1.08		
3rd	Opening Balance						
	1st month	4.88	-	4.88	0.04	0.09	4.79
	2nd month	4.79	-	4.79	0.04	0.09	4.70
	3rd month	4.70	-	4.70	0.04	0.09	4.61
	4th month	4.61	-	4.61	0.04	0.09	4.52
	5th month	4.52	-	4.52	0.04	0.09	4.43
	6th month	4.43	-	4.43	0.04	0.09	4.34
	7th month	4.34	-	4.34	0.04	0.09	4.25
	8th month	4.25	-	4.25	0.04	0.09	4.16
	9th month	4.16	-	4.16	0.04	0.09	4.07
	10th month	4.07	-	4.07	0.04	0.09	3.98
	11th month	3.98	-	3.98	0.04	0.09	3.89
	12th month	3.89	-	3.89	0.04	0.09	3.80
				0.48	1.08		
4th	Opening Balance						
	1st month	3.80	-	3.80	0.03	0.09	3.71
	2nd month	3.71	-	3.71	0.03	0.09	3.62
	3rd month	3.62	-	3.62	0.03	0.09	3.53
	4th month	3.53	-	3.53	0.03	0.09	3.44
	5th month	3.44	-	3.44	0.03	0.09	3.35
	6th month	3.35	-	3.35	0.03	0.09	3.26
	7th month	3.26	-	3.26	0.03	0.09	3.17
	8th month	3.17	-	3.17	0.03	0.09	3.08
	9th month	3.08	-	3.08	0.03	0.09	2.99
	10th month	2.99	-	2.99	0.03	0.09	2.90
	11th month	2.90	-	2.90	0.03	0.09	2.81
	12th month(Subsidy adjusted)	2.81	-	2.81	0.03	1.89	0.92
				0.36	2.88		
5th	Opening Balance						
	1st month	0.92	-	0.92	0.01	0.09	0.83

2nd month	0.83	-	0.83	0.01	0.09	0.74
3rd month	0.74	-	0.74	0.01	0.09	0.65
4th month	0.65	-	0.65	0.01	0.09	0.56
5th month	0.56	-	0.56	0.01	0.09	0.47
6th month	0.47	-	0.47	0.00	0.09	0.38
7th month	0.38	-	0.38	0.00	0.09	0.29
8th month	0.29	-	0.29	0.00	0.09	0.20
9th month	0.20	-	0.20	0.00	0.09	0.11
10th month	0.11	-	0.11	0.00	0.09	0.02
11th month	0.02	-	0.02	0.00	0.02	-
				0.04	0.92	
DOOR TO DOOR	59	MONTHS				
MORATORIUM PERIOD	6	MONTHS				
REPAYMENT PERIOD	53	MONTHS				

Supplier Details:

Paul Engineering	Address: D-4/1, Pocket D, Okhla Phase II, Okhla Industrial Area, New Delhi, Delhi 110020
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