



Pre-feasibility Study

PAPER BAG MAKING UNIT

June 2020

The figures and financial projections are approximate due to fluctuations in exchange rates, energy costs, and fuel prices etc. Users are advised to focus on understanding essential elements such as production processes and capacities, space, machinery, human resources, and raw material etc. requirements. Project investment, operating costs, andrevenues can change daily. For accurate financial calculations, utilize financial calculators on SMEDA's website and consult financial experts to stay current with market conditions.

Small and Medium Enterprises Development Authority
Ministry of Industries and Production
Government of Pakistan

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1 DISCLAIMER

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Document Control

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2 EXECUTIVE SUMMARY

Paper bag making unit is proposed to be located at Quetta, Lahore, Karachi and other major cities of Pakistan.

Product include customized Paper bag as per need of customers.

Capacity; Installed capacity 2500 units per hour and initial utilization 75%.

Total Cost Estimates is Rs. 31.20 million with fixed investment Rs. 29.24 million and working capital Rs. 1.95 million.

Given the cost assumptions IRR and payback are 31% and 5.09 years respectively.

The most critical considerations or factors for success of the project are:

- Location
- Availability of raw material
- Customer awareness
- Product quality



3 INTRODUCTION TO SMEDA

The Small and Medium Enterprises Development Authority (SMEDA) was established in October 1998 with an objective to provide fresh impetus to the economy through development of Small and Medium Enterprises (SMEs).

With a mission "to assist in employment generation and value addition to the national income, through development of the SME sector, by helping increase the number, scale and competitiveness of SMEs", SMEDA has carried out 'sectoral research' to identify policy, access to finance, business development services, strategic initiatives and institutional collaboration and networking initiatives.

Preparation and dissemination of prefeasibility studies in key areas of investment has been a successful hallmark of SME facilitation by SMEDA.

Concurrent to the prefeasibility studies, a broad spectrum of business development services is also offered to the SMEs by SMEDA. These services include identification of experts and consultants and delivery of need based capacity building programs of different types in addition to business guidance through help desk services.

4 PURPOSE OF THE DOCUMENT

The objective of the pre-feasibility study is primarily to facilitate potential entrepreneurs in project identification for investment. The project pre-feasibility may form the basis of an important investment decision and in order to serve this objective, the document/study covers various aspects of project concept development, start-up, and production, marketing, finance and business management.

The purpose of this document is to facilitate potential investors in **Paper Bag Making Unit** by providing them with a general understanding of the business with the intention of supporting potential investors in crucial investment decisions.

The need to come up with pre-feasibility reports for undocumented or minimally documented sectors attains greater imminence as the research that precedes such reports reveal certain thumb rules; best practices developed by existing enterprises by trial and error, and certain industrial norms that become a guiding source regarding various aspects of business set-up and its successful management.

Apart from carefully studying the whole document one must consider critical aspects provided later on, which form basis of any Investment Decision.



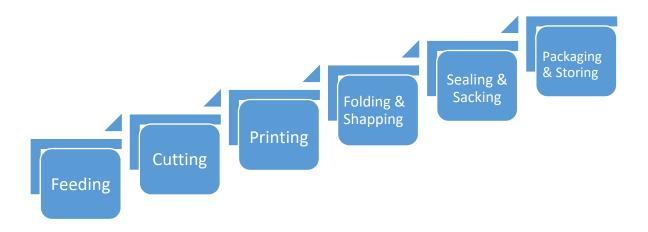
5 BRIEF DESCRIPTION OF PROJECT & PRODUCT

Following key parameters must be addressed as per pre-feasibility study under preparation

- **Technology:** This proposed unit with modern processing machines including Paper Bag Making line and generator etc.
- Location: The unit would be located in major cities with availability of malls and market for shopping purposes as Lahore, Quetta, Karachi and Peshawar etc.
- **Product:** The main product of the proposed intervention would be customized shopping paper bags.
- **Target Market:** The primary customers of the produce would be grocers, bakery, cosmetics, textile & cloth merchants etc.
- **Employment Generation:** The proposed project will provide direct employment to 13 people.

5.1 Production Process Flow

The production of paper bags is simple process that can be customizes as per need, however basic functions of the process under an automatic line remain same. The process is brief as follows:





5.2 Installed and Operational Capacities

The project operational capacity is around 2500 units/hour that reaches to around 6,600,000 units per year on working days of 330 with 08 hour/day operational length. The plant will operate at 75% capacity and will increase at 5%.

6 CRITICAL FACTORS

- Awareness in the clientage for using Paper bag as a cheap & good marketing tool.
- Selection of raw material i.e. Paper is vital for project success.
- Use of the customized paper bag for versatile target market.
- Emphasizing on excellent quality standards & quality.
- Assurance of timely order fulfillment.
- Increasing awareness among the masses on the environment friendly effects of paper bags as it is bio degradable as compare to plastic.
- Availability of paper bag in different sizes, shapes and colors.
- Adapt to the rapid, social, economic and technological changes.
- Well-trained/experienced staff adding in the efficiency of the facility.

7 GEOGRAPHICAL POTENTIAL FOR INVESTMENT

The project location is vital for project success. The project could be located near the major cities as Lahore, Karachi, Quetta, Rawalpindi and Peshawar etc. with large availability of malls, markets and shopping locations.

8 POTENTIAL TARGET CUSTOMERS / MARKETS

The project primarily targets will be stores using customized paper bags for Garments, Cloths, Toys, Stationery, Jewelry, Food, Beverages, Drugs, Appliances & Electrical gadgetry etc.



9 PROJECT COST SUMMARY

9.1 Project Economics

All the figures in this financial model have been calculated for estimated sales of Rs. 147.2 million in the year one. The capacity utilization during year one is worked out at 75% with 5% increase in subsequent years up to the maximum capacity utilization of 95%.

The following table shows internal rate of return, payback period and net present value of the proposed venture.

Table 1: Project Economics

Description	Details
Internal Rate of Return (IRR)	31%
Payback Period (yrs.)	5.09
Net Present Value (Rs.)	47,182,720

9.2 Project Financing

Following table provides details of the equity required and variables related to bank loan;

Table 2: Project Financing

Description	Details
Total Equity (50%)	Rs. 15,603,997
Bank Loan (50%)	Rs. 15,603,997
Markup to the Borrower (%age / annum)	16%
Tenure of the Loan (Years)	5

9.3 Project Cost

Following fixed and working capital requirements have been identified for operations of the proposed business.

Table 3: Project Cost

Description	Amount Rs.
Capital Cost	
Land	3,000,000
Building	10,000,000
Plant and Machinery	8,200,000
Furniture & Fixture	1,170,000
Office Equipment	432,500
Motor Vehicles	3,811,000
Pre-operating Cost	2,634,913
Total Capital Cost	29,248,413
Working Capital	
Raw Material Inventory	859,031
Up-front Insurance	600,550
Cash	500,000
Total Working Capital	1,959,581
Total Project Cost	31,207,995

9.4 Space Requirement

The space requirement for the proposed Paper Bag Making Unit is estimated considering various facilities including management office, production hall, storage, open space, etc. Details of space requirement and cost related to land & building is given below;

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Table 4: Space Requirment

Description	Estimated Area (Sqft)	Unit Cost (Rs.)	Total Cost (Rs.)
Management Office	1000	1500	1,500,000
Production Hall	5000	1,000	5,000,000
Store – Finished Goods & Raw Material	3000	1,000	3,000,000
Walls etc.		200,000	200,000
Pavements / Driveway	1000	200	200,000
Open Space / Ground	5000	20	100,000
Total			10,000,000

9.5 Machinery & Equipment Requirement

Plant, machinery and equipment for the proposed project are stated below.

Table 5: Machinery & Equipment

Description	Quantity	Unit Cost (Rs.)	Total Cost (Rs.)
Paper Bag Making Line	01	7,000,000	7,000,000
Generator	01	1,200,000	1,200,000
Total			8,200,000

9.6 Furniture & Fixtures Requirement

Details of the furniture and fixture required for the project are given below; **Table 6: Furniture & Fixture**

Total Cost Description Quantity **Unit Cost** (Rs.) (Rs.) Table 6 25,000 150,000 Chair 20 10,000 200,000 **Rolling Chairs** 5 30,000 150,000 Carpeting 1000 75 75,000 Electric Wiring & Lightening etc. 1 400,000 400,000 Air Conditioners (1 tons) 3 65,000 195,000



1,170,000

9.7 Office Equipment Requirement

Following office equipment will be required for Paper Bag Making Unit.

Table 7: Office Equipment

Description	Quantity	Unit Cost (Rs.)	Total Cost (Rs.)
Laptop	02	75,000	150,000
Printer (3 in 1)	02	25,000	50,000
Networking etc.	01	100,000	100,000
Photo Copier	01	100,000	100,000
Fax	01	20,000	20,000
Telephone Sets	05	2,500	12,500
Total			432,000

9.8 Human Resource Requirement

In order to run operations of Paper Bag Making Unit smoothly, details of human resources required along with number of employees and monthly salary are recommended as under;

Table 8: Human Resource Requirment

Description	No. of Employees	Monthly Salary per person (Rs.)
Owner	01	75,000
Manager	01	60,000
Marketing Officer	01	45,000
Admin and Accounts Officer	01	40,000
Machine Operators	01	35,000
Skilled Labor	05	20,000
Supporting Staff	02	17,500
Security Guard	01	17,500
Total	13	



9.9 Utilities and other costs

An essential cost to be borne by the project is the cost of electricity and gas. The electricity expenses are estimated to be around Rs. 167,400 per month. Furthermore, promotional expense being essential for marketing of Paper Bag Making Unit is estimated as 500,000 in year.

9.10 Revenue Generation

Based on the capacity utilization of 75% for Customized Paper Bags, sales revenue during the first year of operations is estimated as under;

Description No. of Finished Units Sale Sales Units Goods available Price / Revenue Produced for Sale Inventory unit (Rs.) (No.) (No.) (No.) (Rs.) Paper Bags 4,950,000 41,250 4908,750 30 147,262,500

Table 9: Revenue Generation - Year 1

10 CONTACT DETAILS

In order to facilitate potential investors, contact details of private sector Service Providers relevant to the proposed project be given.

10.1 Machinery Suppliers

Name of Supplier	Address	Phone	Fax	E-mail	Website
K-Group of Industries	245/2/F, PECHS, Block-6, Karachi- Pakistan.	021- 34398500	021- 34549986	k@kgroup. com.pk	kgroup.com.pk

10.2 Raw Material Suppliers

Name of Supplier	Address	Phone	Fax	E-mail	Website
Century Papers	Lakson Square Building No: 2, Sarwar Shaheed Road, Karachi	021-3569 8000	021- 3568 1163	info@ centurypaper. com.pk	centurypaper. com.pk



Flying Group of industries	103 Fazal Road, St. John Park, Lahore	042 6674301- 5	-	info@ flyingtissue.com	flyingpaper. com.pk
Premier Paper Mill Ltd	Km. 8, Lahore Road, P.O. Kot Saleem, Sheikhupura	042- 588717-9	-	ppml@wolnet.pk	-

10.3 Technical Experts / Consultants

Name of Expert/Organization	Address	Phone	Fax	E-mail	Website
Imran Khan / Kgroup	Karachi	0300,8231252	-	-	-

11 USEFUL WEB LINKS

Small & Medium Enterprises Development Authority (SMEDA)	www.smeda.org.pk
Government of Pakistan	www.pakistan.gov.pk
Ministry of Industries & Production	www.moip.gov.pk
Government of Punjab	www.punjab.gov.pk
Government of Sindh	www.sindh.gov.pk
Government of Khyber Pakhtunkhwa	www.khyberpakhtunkhwa.gov.pk
Government of Balochistan	www.balochistan.gov.pk
Government of Gilgit Baltistan	www.gilgitbaltistan.gov.pk
Government of Azad Jamu Kashmir	www.ajk.gov.pk
Trade Development Authority of Pakistan (TDAP)	www.tdap.gov.pk
Security Commission of Pakistan (SECP)	www.secp.gov.pk
Federation of Pakistan Chambers of Commerce and Industry (FPCCI)	www.fpcci.com.pk
State Bank of Pakistan (SBP)	www.sbp.org.pk
Punjab Small Industries Corporation	www.psic.gop.pk
Sindh Small Industries Corporation	www.ssic.gos.pk



Pre-Feasibility Study Paper Bag Making Unit

12 ANNEXURES

12.1 Income Statement

Statement Summaries										SMEDA
Income Statement										Rs. in actual
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 1
D	147 262 500	174 140 250	203,543,175	237,074,393	275 276 422	202.026.021	222 220 624	266 552 697	402 200 055	443,529,96
Revenue Cost of goods sold	147,262,500 132,298,250	174,149,250 151,433,648	171,339,266	190,809,994	275,276,422 214,636,413	302,936,931 228,105,520	333,230,624 242,408,494	366,553,687 257,711,404	403,209,055 274,092,243	291,635,65
Gross Profit	14,964,250	22,715,602	32,203,909	46,264,399	60,640,009	74,831,411	90,822,131	108,842,282	129,116,812	151,894,30
Gioss i ioni	14,904,230	22,713,002	32,203,909	40,204,399	00,040,009	74,031,411	90,822,131	100,642,262	129,110,812	131,894,30
General administration & selling expenses										
Administration expense	5,747,400	7,324,229	8,558,264	9,391,509	10,933,194	11,997,665	13,165,775	14,447,613	15,854,253	17,397,84
Rental expense	-	-	-	-	-	_	-	-	-	-
Utilities expense	_	_	_	_	_	_	_	_	_	_
Travelling & Comm. expense (phone, fax, etc.)	111,600	142,218	166,180	182,359	212,295	232,964	255,646	280,536	307,850	337,82
Office vehicles running expense	571,650	628,815	691,697	760,866	836,953	920,648	1,012,713	1,113,984	1,225,383	1,347,92
Office expenses (stationary, etc.)	279,000	355,545	415,450	455,898	530,738	582,411	639,115	701,340	769,624	844,55
Promotional expense	736,313	870,746	1,017,716	1,185,372	1,376,382	1,514,685	1,666,153	1,832,768	2,016,045	2,217,65
Insurance expense	600,550	540,495	480,440	420,385	360,330	300,275	240,220	180,165	120,110	60,05
Professional fees (legal, audit, etc.)	736,313	870,746	1,017,716	1,185,372	1,376,382	1,514,685	1,666,153	1,832,768	2,016,045	2,217,65
Depreciation expense	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,35
Amortization expense	526,983	526,983	526,983	526,983	526,983	_	-	-	-	-
Property tax expense	-	-	_	-	-	_	_	_	_	_
Miscellaneous expense	4,417,875	5,224,478	6,106,295	7,112,232	8,258,293	9,088,108	9,996,919	10,996,611	12,096,272	13,305,89
Subtotal	15,589,033	18,345,605	20,842,090	23,082,326	26,272,899	28,012,791	30,504,044	33,247,136	36,266,931	39,590,74
Operating Income	(624,783)	4,369,997	11,361,819	23,182,072	34,367,110	46,818,621	60,318,087	75,595,146	92,849,881	112,303,562
	(-)/	, ,	7 7	- , - , - , - , - , - , - , - , - , - ,	,,,,,			, ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<i>y y</i>
Other income	25,000	_	_	31,787	194,951	627,955	1,283,190	2,024,428	2,839,848	3,877,07
Gain / (loss) on sale of assets	-	_	_	-	_	_	-	-	-	-
Earnings Before Interest & Taxes	(599,783)	4,369,997	11,361,819	23,213,859	34,562,061	47,446,576	61,601,277	77,619,574	95,689,729	116,180,64
Interest expense	3,181,152	3,459,333	2,445,690	1,282,467	616,051	_	_	_	_	_
Earnings Before Tax	(3,780,935)	910,665	8,916,129	21,931,392	33,946,010	47,446,576	61,601,277	77,619,574	95,689,729	116,180,64
Tax	_	_	2,478,802	8,991,871	13,917,864	19.453.096	25,256,523	31,824,025	39,232,789	47,634,062
NET PROFIT/(LOSS) AFTER TAX	(3,780,935)	910,665	6,437,327	12,939,521	20,028,146	27,993,480	36,344,753	45,795,549	56,456,940	68,546,57
, , , , , , , , , , , , , , , , , , , ,	(-99. 70)	,	-777	y y-		. , ,			-,,-	
Balance brought forward		(3,780,935)	(2,870,270)	3,567,057	8,253,289	14,140,718	21,067,099	28,705,926	37,250,737	46,853,83
Total profit available for appropriation	(3,780,935)	(2,870,270)	3,567,057	16,506,578	28,281,435	42,134,197	57,411,852	74,501,475	93,707,678	115,400,41
Dividend	-	(2,070,270)	-	8,253,289	14,140,718	21,067,099	28,705,926	37,250,737	46,853,839	57,700,20
Balance carried forward	(3,780,935)	(2,870,270)	3,567,057	8,253,289	14,140,718	21,067,099	28,705,926	37,250,737	46,853,839	57,700,20
Damies carried for ward	(5,700,755)	(2,070,270)	3,307,037	0,200,200	1 1,1 10,710	21,007,077	20,700,720	51,250,151	10,000,000	57,700,200



Pre-Feasibility Study Paper Bag Making Unit

12.2 Balance Sheet

S;											SMEDA
Balance Sheet											
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Rs. in actua Year 1
	Tear 0	Icai I	Teal 2	Teal 3	rear 4	Teal 3	Teal 0	Teal /	Teal 6	Tear y	ieai i
Assets											
Current assets											
Cash & Bank	500,000	_	_	_	635.739	3,263,280	9.295.828	16.367.970	24.120.586	32.676.379	44,865,1
Accounts receivable	_	12,103,767	13,208,702	15,521,607	18,107,571	21,055,513	23,762,193	26,143,872	28,758,259	31,634,085	34,797,4
Finished goods inventory	_	1,111,750	1,262,605	1,428,527	1,590,820	1,789,422	1,900,879	2,020,071	2,147,595	2,284,102	2,430,2
Equipment spare part inventory	_	-,,	-,,	-,,	-,,	-,,,,,,	-,,	_,,	_,,	_,,	_,,_
Raw material inventory	859,031	1,018,179	1,192,738	1,392,384	1,620,427	1,787,305	1.970.503	2,172,480	2,395,159	2,640,663	_
Pre-paid annual land lease	-	1,010,175	1,1,2,750	1,572,50	1,020,127	1,707,505	-	2,172,100	2,373,137	2,010,003	_
Pre-paid building rent	_	_	_	_			_	_	_	_	
Pre-paid lease interest	_	_	_	_	_	_	_	_	_	_	
Pre-paid insurance	600.550	540,495	480.440	420,385	360.330	300.275	240.220	180,165	120.110	60.055	_
Total Current Assets	1.959.581	14,774,192	16,144,485	18.762.903	22.314.887	28.195.794	37.169.623	46.884.558	57,541,710	69.295.284	82.092.9
Total Current Assets	1,939,381	14,774,192	16,144,485	18,762,903	22,314,887	28,195,794	37,109,023	40,884,338	57,541,710	09,295,284	82,092,9
Fixed assets											
Land	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,0
Building/Infrastructure	10,000,000	9,500,000	9,000,000	8,500,000	8,000,000	7,500,000	7,000,000	6,500,000	6,000,000	5,500,000	5,000,0
Machinery & equipment	8,200,000	7,380,000	6,560,000	5,740,000	4,920,000	4,100,000	3,280,000	2,460,000	1,640,000	820,000	3,000,0
Furniture & fixtures	1.170.000	1.053.000	936.000	819.000	702,000	585.000	468.000	351.000	234.000	117.000	
Office vehicles	3,811,000	3,429,900	3,048,800	2,667,700	2,286,600	1,905,500	1,524,400	1,143,300	762,200	381,100	
											_
Office equipment	432,500	389,250	346,000	302,750	259,500	216,250	173,000	129,750	86,500	43,250	8,000,0
Total Fixed Assets	26,613,500	24,752,150	22,890,800	21,029,450	19,168,100	17,306,750	15,445,400	13,584,050	11,722,700	9,861,350	8,000,0
Intangible assets											
Pre-operation costs	2,634,913	2,107,931	1,580,948	1,053,965	526,983	_	_	_	_	_	_
Legal, licensing, & training costs	2,034,713	2,107,231	1,500,540	1,055,705	320,763	_	_	_	_	_	
Total Intangible Assets	2,634,913	2,107,931	1,580,948	1,053,965	526,983						
TOTAL ASSETS	31,207,995	41,634,272	40,616,233	40,846,319	42,009,970	45.502.544	52,615,023	60,468,608	69,264,410	79,156,634	90.092.9
TOTAL ASSETS	31,207,993	41,034,272	40,010,233	40,840,319	42,009,970	43,302,344	32,013,023	00,408,008	09,204,410	79,130,034	90,092,9
Liabilities & Shareholders' Equity											
Current liabilities											
Accounts payable		8,556,323	9,662,145	10,784,732	11,996,360	13,295,574	13,974,123	14,681,332	15,424,773	16,206,347	16,788,7
	-	6,330,323	9,002,143	10,764,732	11,990,300	13,293,374	13,974,123	14,061,332	13,424,773	10,200,347	10,766,7
Export re-finance facility	-		0.100.207	1 571 220	-	-	-	-	-	-	_
Short term debt	-	8,757,177	8,189,387	1,571,220	-	-	-	-	-	-	-
Other liabilities Total Current Liabilities		17,313,500	17,851,533	12,355,952	11,996,360	13,295,574	13,974,123	14,681,332	15,424,773	16,206,347	16,788,7
Total Culicit Liabilities		17,515,500	17,831,333	12,333,932	11,990,300	13,293,374	13,974,123	14,081,332	13,424,773	10,200,347	10,788,7
Other liabilities											
Lease payable	_	_	_	_	_	_	_	_	_	_	
Deferred tax	_	_	_	2,149,753	2,306,004	2,462,255	1,969,804	1,477,353	984,902	492,451	
Long term debt	15,603,997	12,497,710	10,030,973	7,169,559	3,850,319	2, 102,233		-, . , , , , , , , , , , , , , , , , , ,	,o.,,o2	.,2,.51	
Total Long Term Liabilities	15,603,997	12,497,710	10,030,973	9,319,312	6,156,323	2,462,255	1,969,804	1,477,353	984,902	492,451	
		, , ,	,,-	-,,			-,,	-,,	,	,	
Shareholders' equity											
Paid-up capital	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,997	15,603,9
Retained earnings	- ,,	(3,780,935)	(2,870,270)	3,567,057	8,253,289	14,140,718	21,067,099	28,705,926	37,250,737	46,853,839	57,700,2
Total Equity	15,603,997	11,823,062	12,733,727	19,171,054	23,857,286	29,744,715	36,671,096	44,309,923	52,854,735	62,457,836	73,304,2
	,000,777	41,634,272	40,616,233	40,846,319	42,009,970	45,502,544	52,615,023	60,468,608	69,264,410	79,156,634	90,092,9



Pre-Feasibility Study Paper Bag Making Unit

12.3 Cash Flow Statement

Statement Summaries											SMEDA
Cash Flow Statement											Rs. in actual
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 1
Operating activities											
Net profit	_	(3,780,935)	910,665	6,437,327	12,939,521	20,028,146	27,993,480	36,344,753	45,795,549	56,456,940	68,546,57
Add: depreciation expense	_	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,350	1,861,35
amortization expense	_	526,983	526,983	526,983	526,983	526,983	-	-	-	-	-
Deferred income tax	_	-	-	2,149,753	156,251	156,251	(492,451)	(492,451)	(492,451)	(492,451)	(492,45
Accounts receivable	_	(12,103,767)	(1,104,935)	(2,312,904)	(2,585,965)	(2,947,942)	(2,706,680)	(2,381,680)	(2,614,387)	(2,875,826)	(3,163,40
Finished good inventory	_	(1,111,750)	(150,855)	(165,923)	(162,292)	(198,602)	(111,458)	(119,191)	(127,524)	(136,507)	(146,19
Equipment inventory	_	-	-	-	-	-	-	-	-	-	-
Raw material inventory	(859,031)	(159,148)	(174,559)	(199,646)	(228,042)	(166,878)	(183,199)	(201,977)	(222,679)	(245,504)	2,640,66
Pre-paid building rent	-	(10),110)	(17.,557)	(1>>,0.0)	(220,0 .2)	(100,070)	(103,177)	(201,577)	(222,077)	(2.0,50.)	2,010,00
Pre-paid lease interest	_	_	_	_	_	_	_	_	_	_	_
Advance insurance premium	(600,550)	60,055	60,055	60,055	60,055	60,055	60,055	60,055	60,055	60,055	60,05
Accounts payable	-	8,556,323	1,105,822	1,122,587	1,211,628	1,299,214	678,549	707,209	743,441	781,574	582,42
Other liabilities	_	-	1,105,622	1,122,507	1,211,020		-	707,209	715,111	701,571	502,12
Cash provided by operations	(1,459,581)	(6,150,890)	3,034,526	9,479,581	13,779,489	20,618,577	27,099,647	35,778,069	45,003,353	55,409,632	69,889,01
Financing activities	15 602 007	(2.106.207)	(2.466.726)	(2.061.41.6)	(2.210.240)	(2.050.210)					
Change in long term debt	15,603,997	(3,106,287)	(2,466,736)	(2,861,414)	(3,319,240)	(3,850,319)	-	-	-	-	-
Change in short term debt	-	8,757,177	(567,790)	(6,618,167)	(1,571,220)	-	-	-	-	-	-
Change in export re-finance facility	-	-	-	-	-	-	-	-	-	-	-
Add: land lease expense	-	-	-	-	-	-	-	-	-	-	-
Land lease payment	-	-	-	-	-	-	-	-	-	-	-
Change in lease financing	-	-	-	-	-	-	-	-	-	-	-
Issuance of shares	15,603,997	-	-	-	-	-	-	-	-	-	-
Purchase of (treasury) shares	-	-	-	-	-	-	-	-	-	-	-
Cash provided by / (used for) financ	31,207,995	5,650,890	(3,034,526)	(9,479,581)	(4,890,461)	(3,850,319)	-	-	-	-	-
Investing activities											
Capital expenditure	(29,248,413)	-	-	-	-	-	-	-	-	-	-
Acquisitions	- 1	-	-	-	-	-	-	-	-	-	-
Cash (used for) / provided by invest	(29,248,413)	-	-	-	-	-	-	-	-	-	-
NET CASH	500,000	(500,000)	_	_	8,889,028	16,768,258	27,099,647	35,778,069	45,003,353	55,409,632	69,889,01
	y	(-,,	,,,.,,	. , ,	. , ,	.,,	, ,
Cash balance brought forward		500,000	-	-	-	635,739	3,263,280	9,295,828	16,367,970	24,120,586	32,676,37
Cash available for appropriation	500,000	-	-	-	8,889,028	17,403,997	30,362,926	45,073,896	61,371,323	79,530,218	102,565,39
Dividend	-	-	-	-	8,253,289	14,140,718	21,067,099	28,705,926	37,250,737	46,853,839	57,700,20
Cash carried forward	500,000	-	-	-	635,739	3,263,280	9,295,828	16,367,970	24,120,586	32,676,379	44,865,18



13 KEY ASSUMPTIONS

13.1 Operating Cost Assumptions

Description	Details
Operational Day	330
Operational hours	08
Shift per day	01

13.2 Production Cost Assumptions

Description	Details
Production Capacity	75%
Production Capacity growth rate	5%
Production Capacity Maximum growth	95%

13.3 Revenue Assumptions

Description	Details
Production Units	6,600,000
Selling Price per Unit	Rs. 30
COGs	Rs. 21

13.4 Financial Assumptions

Description	Details
Interest Rate	16%
Debt : Equity Ratio	50:50

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