

Pectin from Citrus, Lemon and Oranges Annexure 1

Assumptions made

- 1 Interest cost for CC limit (WC finance) is @10.00%
- 2 Semi Variable & Fixed Expenses are done on 40:60 basis on full capacity utilisation in 5th Year of operation.
- 3 For working capital calculation, the WC cycle is considered by taking following assumptions are made:
 - a Stock on hand i.e. Raw material cost @ 1 month, Finished goods @ 1 months and WIP cost taken for 1 days.
 - b Receivables @0 months.
 - c Current liabilities @ 1 months.
- 4 Currency is (Amount in ₹) and (₹ in lacs) in some tables

Pectin from Citrus, Lemon and Oranges

Annexure 2

[NPCS/2845/23076]

PLANT ECONOMICS

Pectin from Citrus, Lemon and Orange

Rated Plant Capacity			
Total Production per Day	=	500	Kgs/Day
Total Production per Month	=	12500	Kgs/Month
Total Production per Annum	=	150000	Kgs/Annum
Basis			
No. of working days	=	25	days/month
	=	300	days/annum
No. of shifts	=	3	shifts per day
One shift	=	8	hours
Total working Hours per day		24	Hours per day

Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

Annexure 3

PRODUCTION SCHEDULE

Name of Product	Kgs per day	Kgs per annum	Total Batch	UOM
Pectin	500.0	150,000.0	150,000.0	Kgs
	500.0	150,000.0	150,000.0	

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Pectin from Citrus, Lemon and Oranges

Annexure 4

[NPCS/2845/23076]

LAND & BUILDING

(Amount in ₹)

Particulars of proposed Assets (UOM)	UOM	Quantity	Rate	Total
Land Area Required On Lease	Acre	1	2500000	2,500,000
Factory Building -				
Production Shed	sq.mts.	800	6000	4,800,000
Raw Material Store	sq.mts.	600	6000	3,600,000
Finished Product Store	sq.mts.	200	6000	1,200,000
Electrical & D.G. Set Room	sq.mts.	50	6000	300,000
Maintenance Room	sq.mts.	50	6000	300,000
Boiler Room	sq.mts.	100	6000	600,000
Waste Water Treatment Area	sq.mts.	200	6000	1,200,000
Administrative Block	sq.mts.	200	8000	1,600,000
Laboratory	sq.mts.	70	8000	560,000
Toilets	sq.mts.	25	6000	150,000
Security Room	sq.mts.	30	6000	180,000

Pectin from Citrus, Lemon and Oranges

Annexure 4

LAND & BUILDING

(Amount in ₹)

Particulars of proposed Assets (UOM)	UOM	Quantity	Rate	Total
Land Development Cost, Boundary Wall, Gate & Road etc.		1	1000000	1,000,000
			TOTAL	17,990,000

Pectin from Citrus, Lemon and Oranges

Annexure 5

[NPCS/2845/23076]

PLANT & MACHINERY

(Amount in ₹)

Particulars of Assets proposed (UOM)	UOM	Quantity	Rate	Total
Indigenous Machineries				
Production Line: Pre Processing Workshop - Pre Processing Equipments	Sets	4	-	-
Main Workshop: Detergent Extraction Equipment	Piece	8	-	-
Temporary Storage Tank	Sets	8	-	-
High Efficiency Separation Equipment	Piece	6	-	-
Fluid Storage Device	Piece	8	-	-
Comprehensive Filtering Equipment	Sets	4	-	-
The Decolorizing Equipment	Sets	2	-	-
Before Concentration Tank	Piece	2	-	-
Concentrator	Piece	2	-	-
Cholesterol Lowering Devices	Piece	4	-	-
Precipitation Tank	Piece	2	-	-
Precipitation Separation Equipment	Piece	4	-	-
Pressing and Grinding Machine	Sets	2	-	-
Alcohol Collecting Equipment	Sets	2	-	-
Vacuum Drying Machine	Sets	3	-	-
Crushing and Screening Equipment	Sets	2	-	-
Mixed Standard Equipment	Sets	2	-	-
Process Water Tank	Sets	2	-	-
Alcohol Recovery Workshop: Alcohol Storage Tank	Piece	6	-	-
Alcohol Distillation Equipment	Sets	2	-	-
Power Distribution, Circuit	Sets	1	-	-
Boiler, Steam, Heating with All above Machine Cost	Sets	1	137,183,200	137,183,200
Weighing Balance	Sets	2	19,250	38,500
Filling, Sealing & Packing Machine	Sets	1	412,500	412,500

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Pectin from Citrus, Lemon and Oranges Annexure 5

PLANT & MACHINERY

(Amount in ₹)

Particulars of Assets proposed (UOM)	UOM	Quantity	Rate	Total
Maintenance Equipments		1	200,000	200,000
Erection & Installation		1	1,500,000	1,500,000
Miscellaneous Equipments like pumps, valves, pipeline & fittings		1	500,000	500,000
Laboratory Equipments		1	500,000	500,000
			TOTAL	140,334,200

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Pectin from Citrus, Lemon and Oranges

Annexure 6

[NPCS/2845/23076]

OTHER FIXED ASSETS

(Amount in ₹)

Particulars of Assets proposed	Quantity	Rate	Amount
Furniture & Fixtures			
Office Equipment, Furniture plus Other Equipment & Accessories			200,000
Pre-operative & Preliminary Expenses			500,000
Electrical Installation 400 KVA			1,000,000
Electrical Cable, MCB, Meter Boxes, Switch Board etc.			1,000,000
Fire Fighting Equipment			500,000
D.G. Set 320 KVA			1,500,000
Water Resources with Storage Tank			150,000
Effluent Treatment Plant			1,500,000
Website Development & Promotion			100,000
Ethanol Storage 15 KLS @ Rs. 60000/- per KL			900,000
Others			
Technical know how			3,000,000
Office Vehicles			800,000
Office Automation Equipments (Telephone/ Fax/ Computer)			100,000
Provision for Contingencies			13,913,420
		TOTAL	25,163,420

Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

Annexure 7

WORKING CAPITAL Requirement Per Month

Raw Materials	UOM	Quantity	Rate	Amount	Qty p.a.	Qty per Batch
Citrus Peels (Dry Basis)	Kgs	65,000	20.00	1,300,000	780,000	5.200
Conc. Sulphuric Acid	Ltrs	2,328	12.00	27,936	27,936	0.186
Ethanol (95%)	Ltrs	27,985	40.00	1,119,400	335,820	2.239
Sodium Hydroxide	Kgs	2,328	25.00	58,200	27,936	0.186
Printed Packing Materials	Kgs	12,500	2.00	25,000	150,000	1.000
Lab & Other Chemicals Cost		25,000	1.00	25,000	300,000	2.000
Consumable Store		50,000	1.00	50,000	600,000	4.000
			TOTAL	2,605,536		

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Pectin from Citrus, Lemon and Oranges

Annexure 8

[NPCS/2845/23076]

Overheads required per month

(Amount in ₹)

Utilities and Overheads	Quantity	Rate	Amount
Power Consumption	174800	8	1,398,400
Water Consumption	1500	8	12,000
Fuel Cost			100,000
Insurance Professional fees			100,000
Administration expense			50,000
Stationery Exp., Telephone, Postage			30,000
Repairs and Maintanance			50,000
Internet Expenses			20,000
Conveyance Exp.			50,000
Publicity Exp.			100,000
		TOTAL	1,910,400

Total load is

320

Kwatts

Utilities and Overheads	Quantity	Rate	Amount
Royalty and other charges			200,000
Selling and Distribution expenses			100,000
		TOTAL	300,000

Pectin from Citrus, Lemon and Oranges

Annexure 9

Salary and wages

(Amount in ₹)

Salary and wages	UOM	Quantity	Rate	Amount
Manager	Nos.	1	50000	50,000
Chemical Engineer	Nos.	1	35000	35,000
Supervisors	Nos.	3	20000	60,000
Chemist	Nos.	4	18000	72,000
Skilled Workers	Nos.	12	15000	180,000
Electricians	Nos.	3	15000	45,000
Fitters	Nos.	3	15000	45,000
Unskilled Workers	Nos.	15	12000	180,000
Accountant	Nos.	1	20000	20,000
Computer Operators	Nos.	4	18000	72,000
Office Staffs	Nos.	6	18000	108,000
Sales Executives	Nos.	2	18000	36,000
Peon	Nos.	3	12000	36,000
Security Guards	Nos.	9	12000	108,000
TOTAL BASIC SALARY		67		1,047,000
Plus Perks (20 % p.a. of Basis Salaries)			20.00%	209,400
Per month			TOTAL	1,256,400
Per Annum				15,076,800

Pectin from Citrus, Lemon and Oranges Annexure 10

[NPCS/2845/23076]

TURNOVER PER ANNUM

(Amount in ₹)

Name Of Product	UOM	Quantity	Rate	Amount
Pectin	Kgs	150000	1460	219,000,000
			TOTAL	219,000,000

Pectin from Citrus, Lemon and Oranges Annexure 11

[NPCS/2845/23076]

SHARE CAPITAL

(₹ in lacs)

Share Capital (No. of Shares)	Face Value ₹/ Share	Equity Share Capital		
		Existing	Proposed	Proposed
4671736	10.00			467.17
Particulars	Existing	Existing	Proposed	Proposed
	%age		%age	
Equity Capital	100.00%	0.00	100.00%	467.17
Preference Share Capital	0.00%	0.00	0.00%	0.00
Total	100.00%	0.00	100.00%	467.17

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 1

COST OF PROJECT AND MEANS OF FINANCE

(₹ in lacs)

Particulars	Existing	Proposed	Total
COST OF PROJECT			
Land & Site Development Exp.			
Land Area Required On Lease	0.00	25.00	25.00
Land Development Cost, Boundary Wall, Gate & Road etc.	0.00	10.00	10.00
Buildings			
Factory Building -	0.00	144.90	144.90
Office Buildings	0.00	0.00	0.00
Plant & Machineries			
Indigenous Machineries	0.00	1378.34	1378.34
Erection & Installation	0.00	15.00	15.00
Laboratory Equipments	0.00	5.00	5.00
Miscellaneous Equipments like pumps, valves, pipeline & fittings	0.00	5.00	5.00
Imported Machineries	0.00	0.00	0.00
Technical know how	0.00	30.00	30.00
Office Vehicles	0.00	8.00	8.00
Office Automation Equipments (Telephone/ Fax/ Computer)	0.00	1.00	1.00
Office Equipment, Furniture plus Other Equipment & Accessories	0.00	2.00	2.00
Other Misc. Assets	0.00	66.50	66.50
Pre-operative & Preliminary Expenses	0.00	5.00	5.00
Provision for Contingencies	0.00	139.13	139.13
Total Capital Cost of Project	0.00	1834.88	1834.88
Margin Money for Working Capital	0.00	33.82	33.82
Total Cost of Project	0.00	1868.69	1868.69
MEANS OF FINANCE			
Equity Share Capital	0.00	467.17	467.17
Others - Preference Share Capital	0.00	0.00	0.00
Total Equity Share Capital	0.00	467.17	467.17
Long/Medium Term Borrowings			
FROM BANK	0.00	1401.52	1401.52
From Other Financial Institutions	0.00	0.00	0.00
Total Long/Medium Term Borrowings	0.00	1401.52	1401.52
Total Means of Finance	0.00	1868.69	1868.69

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 2

[NPCS/2845/23076]

PROFITABILITY AND NET CASH ACCRUALS

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
	60	70	80	90	100
Revenue/Income/Realisation					
Gross Sales Realisation	1314.00	1533.00	1752.00	1971.00	2190.00
Less : Excise Duties/Levies	0.00	0.00	0.00	0.00	0.00
Net Sales Realisation	1314.00	1533.00	1752.00	1971.00	2190.00
Total Revenue/Income/Realisation	1314.00	1533.00	1752.00	1971.00	2190.00
Expenses/Cost of Products/Services/Items					
Raw Material Cost					
Indigenous	180.40	210.47	240.53	270.60	300.66
Total Nett Consumption	180.40	210.47	240.53	270.60	300.66
Lab & ETP Chemical Cost	1.80	2.10	2.40	2.70	3.00
Packing Material Cost	1.80	2.10	2.40	2.70	3.00
Sub Total of Net Consumption	184.00	214.67	245.33	276.00	306.66
Miscellaneous Cost	3.60	4.20	4.80	5.40	6.00
Employees Expenses	150.77	165.84	182.43	200.67	220.74
Fuel Expenses	7.20	7.92	8.64	9.36	10.08
Power/Electricity Expenses	100.68	110.75	120.82	130.89	140.96
Depreciation	253.84	216.85	185.31	158.40	135.45
Royalty & Other Charges	2.00	2.20	2.40	2.60	2.80
Repairs & Maintenance Exp.	176.45	194.10	213.51	234.86	258.34
Other Mfg. Expenses	8.06	8.87	9.76	10.73	11.81
Cost of Output of Goods Sold	886.61	925.40	972.99	1028.91	1092.84

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 2

[NPCS/2845/23076]

PROFITABILITY AND NET CASH ACCRUALS

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
	60	70	80	90	100
Gross Profit	427.39	607.60	779.01	942.09	1097.16
Administration Expenses	21.60	23.76	26.14	28.75	31.62
Technical Knowhow Fees & Exp.	3.00	3.00	3.00	3.00	3.00
Financial Charges					
Long/Medium Term Borrowing	129.64	101.61	73.58	45.55	17.52
On Wkg. Capital Borrowings	5.56	6.69	7.48	8.27	9.10
Total Financial Charges	135.20	108.30	81.06	53.82	26.62
Selling Expenses	1.00	1.10	1.20	1.30	1.40
Total Cost of Sales	1047.41	1061.56	1084.39	1115.78	1155.48
Net Profit Before Taxes	266.59	471.44	667.61	855.22	1034.52
Tax on Profit	41.49	139.37	227.13	306.75	379.73
Net Profit After Taxes	225.10	332.08	440.48	548.47	654.78
Depreciation Added Back	253.84	216.85	185.31	158.40	135.45
Technical Knowhow Fees & Exp.	3.00	3.00	3.00	3.00	3.00
Net Cash Accruals	481.94	551.93	628.79	709.87	793.23

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 3

ASSESSMENT OF WORKING CAPITAL REQUIREMENTS

(₹ in lacs)

Particulars	Stk.Prd.	Stk.Prd.		Operating Years				
	1st Year	2nd Yr&+		1-2	2-3	3-4	4-5	5-6
Capacity	Months	Months	%	60.00	70.00	80.00	90.00	100.00
CURRENT ASSETS								
Stocks on Hand								
Raw Material Cost								
Indigenous	1.00	1.00	M	15.03	17.54	20.04	22.55	25.06
Lab & ETP Chemical	1.00	1.00	M	0.15	0.18	0.20	0.23	0.25
Packing Material	1.00	1.00	M	0.15	0.18	0.20	0.23	0.25
Consumable Store	1.00	1.00	M	0.90	1.01	1.12	1.23	1.34
Work-in-Process	1.00	1.00	D	0.25	0.29	0.33	0.37	0.41
Finished Goods	1.00	1.00	M	52.73	63.44	70.93	78.45	86.32
Current Expenses	1.00	1.00	M	38.38	42.22	46.35	50.82	55.64
Receivables	0.00	0.00	M	0.00	0.00	0.00	0.00	0.00
Total				107.59	124.85	139.18	153.87	169.27
Cash/Bank Balances				201.64	467.06	811.21	1236.27	1744.41
Gross Wkg. Capital				309.23	591.90	950.39	1390.14	1913.68

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 3

[NPCS/2845/23076]

ASSESSMENT OF WORKING CAPITAL REQUIREMENTS

(` in lacs)

Particulars	Stk.Prd.	Stk.Prd.		Operating Years				
	1st Year	2nd Yr&+		1-2	2-3	3-4	4-5	5-6
Capacity	Months	Months	%	60.00	70.00	80.00	90.00	100.00
CURRENT LIABILITIES								
Sundry Creditors - Raw Material Cost								
Indigenous	1.00	1.00	M	16.29	17.75	20.25	22.76	25.26
Lab & ETP Chemical	1.00	1.00	M	0.16	0.18	0.20	0.23	0.25
Packing Material	1.00	1.00	M	0.16	0.18	0.20	0.23	0.25
Miscellaneous Cost	1.00	1.00	M	0.90	1.02	1.13	1.24	1.35
Current Expenses	0.50	0.50	M	19.19	21.11	23.18	25.41	27.82
Other Current Liabilities	0.00	0.00	M	0.00	0.00	0.00	0.00	0.00
Total				36.70	40.23	44.96	49.86	54.94
Instalments Due Within Next 12 Months: Term Borrowings				280.30	280.30	280.30	280.30	0.00
Total Current Liabilities				317.01	320.53	325.27	330.16	54.94
Net Wkg.Capital(Tot.CA - Tot.CL)				-7.78	271.37	625.12	1059.98	1858.74
M.P.B.F. -Method I				204.40	413.75	679.07	1005.21	1394.05
As Per Tandon Com.Norm-Method II - Permissible Finance - D.P.(%age)				195.22	403.70	667.83	992.74	1380.32
Work in Process %	0.65	DP		0.16	0.19	0.21	0.24	0.27
Finished Goods %	0.70	DP		36.91	44.41	49.65	54.92	60.42
Total Bank Finance (DP Method)				37.07	44.60	49.86	55.16	60.69
Bank Finance (Turnover Method)				262.80	306.60	350.40	394.20	438.00
Bank Finance : As per DP Method				37.07	44.60	49.86	55.16	60.69
Margin Money : (At Commencement)				33.82	40.02	44.35	48.85	53.64
Margin Money:(incl.Cash/Bk. Bal)				235.46	507.08	855.56	1285.12	1798.05
% Margin Money - Net Wkg.Capital				86.40	91.92	94.49	95.88	96.73
Current Ratio (No. of times)				0.87	1.62	2.53	3.61	16.55

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Pectin from Citrus, Lemon and Oranges

[NPCCS/2845/23076]

ANNEXURE - 3

Working note for calculation of Work-in-process

Description of Product	% assumed for WIP Completion	Rate per unit in ₹	Equivalent (%) Rate per unit in ₹
Citrus Peels (Dry Basis)	100	20.00	20.00
Conc. Sulphuric Acid	90	12.00	10.80
Ethanol (95%)	75	40.00	30.00
Sodium Hydroxide	75	25.00	18.75

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 3

[NPCS/2845/23076]

Working note for calculation of Work-in-process

Description of Product	% assumed for WIP Completion	Rate per unit in ₹	Equivalent (%) Rate per unit in ₹
Printed Packing Materials	75.00	2.00	1.50
Lab & Other Chemicals Cost	75.00	1.00	0.75
Consumable Store	75.00	1.00	0.75
Total			82.55

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 4

SOURCES AND DISPOSITION OF FUNDS

(₹ in lacs)

Particulars	Constr. Period	Operating Years				
		1-2	2-3	3-4	4-5	5-6
SOURCES OF FUNDS						
Net Profit Before Tax with Interest Charges Added Back but after Depreciation Provision	0.00	401.79	579.74	748.67	909.04	1061.14
Equity Share Capital	467.17					
Depreciation		253.84	216.85	185.31	158.40	135.45
Incr.in Long/Medium Term Proposed-FROM BANK	1401.52					
Incr.in Bank Borrowing for Working Capital		37.07	7.52	5.27	5.29	5.53
Incr.in Cur.Liabilities		36.70	3.53	4.73	4.90	5.08
Technical Knowhow Fees & Exp.		3.00	3.00	3.00	3.00	3.00
Total Sources of Fund	1868.69	732.41	810.64	946.98	1080.63	1210.20
DISPOSITIONS OF FUNDS						
P & P Expenses	5.00					
Technical Knowhow Fees	30.00					
Incr.in Capital Expense	1799.88					
Incr.in Current Assets		107.59	17.25	14.33	14.70	15.40
Decr.in Long/Medium Term Proposed-FROM BANK		280.30	280.30	280.30	280.30	280.30
Interest/Financial Exp.		135.20	108.30	81.06	53.82	26.62
Taxes on Profit		41.49	139.37	227.13	306.75	379.73
Total Disposition	1834.88	564.59	545.22	602.83	655.57	702.06
Opening Balance	0.00	33.82	201.64	467.06	811.21	1236.27
Net Surplus / Deficit	33.82	167.82	265.42	344.15	425.06	508.14
Closing Balance	33.82	201.64	467.06	811.21	1236.27	1744.41

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 5

[NPCS/2845/23076]

PROJECTED BALANCE SHEETS

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Equity Share Capital	467.17	467.17	467.17	467.17	467.17
Surplus of Previous Year	0.00	225.10	557.18	997.66	1546.12
Add : Net Profit After Taxes	225.10	332.08	440.48	548.47	654.78
Surplus at the End of Year	225.10	557.18	997.66	1546.12	2200.91
Unsecured Deposits	0.00	0.00	0.00	0.00	0.00
Long/Medium Term Borrowings Proposed-FROM BANK	1121.22	840.91	560.61	280.30	0.00
Bank Borrowing for Wkg. Capital	37.07	44.60	49.86	55.16	60.69
Current Liabilities					
Sundry Creditors	36.70	40.23	44.96	49.86	54.94
Other Current Liabilities	0.00	0.00	0.00	0.00	0.00
Total Current Liabilities	36.70	40.23	44.96	49.86	54.94
Total of Liabilities	1887.26	1950.09	2120.27	2398.62	2783.71

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ANNEXURE - 5

[NPCS/2845/23076]

PROJECTED BALANCE SHEETS

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
A S S E T S					
Fixed Assets					
Gross Block	1804.88	1804.88	1804.88	1804.88	1804.88
Less : Depreciation to Date	253.84	470.69	656.00	814.40	949.84
Net Block	1551.03	1334.18	1148.88	990.48	855.03
Current Assets					
Stocks on Hand	69.21	82.63	92.82	103.05	113.63
Receivables	0.00	0.00	0.00	0.00	0.00
Other Current Assets	38.38	42.22	46.35	50.82	55.64
Cash and Bank Balances	201.64	467.06	811.21	1236.27	1744.41
Total Current Assets	309.23	591.90	950.39	1390.14	1913.68
P & P Exp. and/or Other Dvp.Exp.					
(To The Extent Not W/Off)	27.00	24.00	21.00	18.00	15.00
Other Non Current Assets	0.00	0.00	0.00	0.00	0.00
Total of Assets	1887.26	1950.09	2120.27	2398.62	2783.71
ROI (Average of Fixed Assets)	14.51%	23.02%	35.48%	51.27%	70.96%
RONW (Average of Share Capital)	32.52%	38.69%	35.39%	31.54%	27.97%
ROI (Average of Total Assets)	11.93%	17.31%	21.64%	24.27%	25.27%

Prepared by "Niir Project Consultancy Services"

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 6

[NPCS/2845/23076]

PROFITABILITY RATIOS, DSCR, DEBT EQUITY, ETC.

(₹ in lacs)

Particulars	Operating Years					
	1-2	2-3	3-4	4-5	5-6	
Profit Percentages to Net Sales						
Gross Profit	427.39	607.60	779.01	942.09	1097.16	
% Of G.P. to Net Sales	32.53%	39.63%	44.46%	47.80%	50.10%	
Net Profit Before Taxes	266.59	471.44	667.61	855.22	1034.52	
% of N.P.B.T. To Net Sales	20.29%	30.75%	38.11%	43.39%	47.24%	
Net Profit After Taxes	225.10	332.08	440.48	548.47	654.78	
% of N.P.A.T. To Net Sales	17.13%	21.66%	25.14%	27.83%	29.90%	
Debt Service Coverage Ratio						
Funds Available to Service Debts						
Net Profit After Taxes	225.10	332.08	440.48	548.47	654.78	
Depreciation Charges	253.84	216.85	185.31	158.40	135.45	
Technical Knowhow Fees & Exp	3.00	3.00	3.00	3.00	3.00	
Interest on Long/Medium Term	129.64	101.61	73.58	45.55	17.52	
T o t a l	611.58	653.54	702.37	755.42	810.75	
Debt Service Obligations						
Repayment of Long/Medium Ter	280.30	280.30	280.30	280.30	280.30	
Interest on Long/Medium Term	129.64	101.61	73.58	45.55	17.52	
T o t a l	409.94	381.91	353.88	325.85	297.82	
D. S. C. R. (Individual)	1.49	1.71	1.98	2.32	2.72	
D. S. C. R. (Cumulative)	1.49	1.60	1.72	1.85	2.00	
D. S. C. R. (Overall) .....	.....	.....	2.00	.....	.....
Parameters						
Initial Equity Capital	467.17	467.17	467.17	467.17	467.17	467.17
Credit Balance in P & L	0.00	225.10	557.18	997.66	1546.12	2200.91
Total Capital excl Unsec Deposits	467.17	692.27	1024.35	1464.83	2013.30	2668.08
Unsecured Dep.	0.00	0.00	0.00	0.00	0.00	0.00
Total Equity incl Unsecured Deposits	467.17	692.27	1024.35	1464.83	2013.30	2668.08

Prepared by "Niir Project Consultancy Services"

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 6

[NPCS/2845/23076]

PROFITABILITY RATIOS, DSCR, DEBT EQUITY, ETC.

(₹ in lacs)

Particulars	Operating Years					
	1-2	2-3	3-4	4-5	5-6	
Long/Medium Term Borrowings from Bank	1401.52	1121.22	840.91	560.61	280.30	0.00
Term lia. Incl Unsecured Deposit	1401.52	1121.22	840.91	560.61	280.30	0.00
Total Liabilities	0.00	1887.26	1950.09	2120.27	2398.62	2783.71
Total Liabilities incl Unsecured Deposits	1401.52	3008.48	2791.00	2680.87	2678.92	2783.71
DEBT EQUITY RATIO considering i.e.Total Term Lia./NW						
Unsecured Dep. as Equity	3.00	1.62	0.82	0.38	0.14	0.00
Unsecured Dep. as Debt	3.00	1.62	0.82	0.38	0.14	0.00
Total Outside Lia./NW		1.73	0.90	0.45	0.19	0.04
Assets Turnover Ratio (x)		0.71	0.80	0.83	0.83	0.79
No. of Shares of 10.00 each		4671736	4671736	4671736	4671736	4671736
Earnings Per Share (EPS) (in ₹)		4.82	7.11	9.43	11.74	14.02
Proposed dividend		0.00	0.00	0.00	0.00	0.00
Cash EPS (in ₹)		10.32	11.81	13.46	15.19	16.98
Dividend Per Share(DPS) (in ₹)		0.00	0.00	0.00	0.00	0.00
Payout Ratio (%Age)		0.00	0.00	0.00	0.00	0.00
Retained Earnings/Share (in ₹)		4.82	7.11	9.43	11.74	14.02
Retained Earnings (%Age)		100.00	100.00	100.00	100.00	100.00
Book Value Per Share (in ₹)		14.82	21.93	31.36	43.10	57.11
Debt Per Share (in ₹)		24.00	18.00	12.00	6.00	0.00
Probable Mkt.Price/Share(in ₹)		4.82	7.11	9.43	11.74	14.02
Price / Book Value (x)		0.33	0.32	0.30	0.27	0.25
Price Earnings Ratio (x)		1.00	1.00	1.00	1.00	1.00
Yield (%Age)		0.00	0.00	0.00	0.00	0.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 7

[NPCS/2845/23076]

BREAK EVEN ANALYSIS

(₹ in lacs)

Particulars	Ratio	Operating Years				
		1-2	2-3	3-4	4-5	5-6
BREAK EVEN ANALYSIS						
Total Value of Output		1314.00	1533.00	1752.00	1971.00	2190.00
Variable Cost & Expenses						
Raw Material Cost	100.00	180.40	210.47	240.53	270.60	300.66
Lab & ETP Chemical Cost	100.00	1.80	2.10	2.40	2.70	3.00
Packing Material Cost	100.00	1.80	2.10	2.40	2.70	3.00
Sales Commission/Exp.	100.00	0.00	0.00	0.00	0.00	0.00
Sub-total		184.00	214.67	245.33	276.00	306.66
Less:W.I.P. Adjustments		0.25	0.04	0.04	0.04	0.04
Total Variable Cost		183.75	214.62	245.29	275.96	306.62
Net Contribution		1130.25	1318.38	1506.71	1695.04	1883.38
Profit Volume Ratio (%)		86.02%	86.00%	86.00%	86.00%	86.00%
Semi-Var./Semi-Fixed Exp.						
Miscellaneous Cost	40.00	0.00	0.60	1.20	1.80	2.40
Employees Expenses	40.00	18.32	33.40	49.99	68.23	88.30
Power/Electricity Expen	40.00	16.11	26.18	36.25	46.32	56.38
Fuel Expenses	40.00	1.15	1.87	2.59	3.31	4.03
Royalty & Other Charges	40.00	0.32	0.52	0.72	0.92	1.12

Prepared by "Niir Project Consultancy Services"

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 7

[NPCS/2845/23076]

BREAK EVEN ANALYSIS

(₹ in lacs)

Particulars	Ratio	Operating Years				
		1-2	2-3	3-4	4-5	5-6
Repairs & Maintenance E	40.00	21.45	39.09	58.50	79.85	103.34
Other Mfg. Expenses	40.00	0.98	1.79	2.67	3.65	4.72
Administration Expenses	40.00	2.63	4.79	7.16	9.77	12.65
Selling Expenses	40.00	0.16	0.26	0.36	0.46	0.56
Interest on Wkg.Capital	40.00	0.10	1.23	2.02	2.81	3.64
Tot.Semi-Var./Fixed Exp.		61.22	109.72	161.46	217.12	277.14
Fixed Expenses / Cost						
Miscellaneous Cost	60.00	3.60	3.60	3.60	3.60	3.60
Employees Expenses	60.00	132.44	132.44	132.44	132.44	132.44
Power/Electricity Expen	60.00	84.58	84.58	84.58	84.58	84.58
Fuel Expenses	60.00	6.05	6.05	6.05	6.05	6.05
Royalty & Other Charges	60.00	1.68	1.68	1.68	1.68	1.68
Repairs & Maintenance E	60.00	155.00	155.00	155.00	155.00	155.00
Other Mfg. Expenses	60.00	7.08	7.08	7.08	7.08	7.08
Administration Expenses	60.00	18.97	18.97	18.97	18.97	18.97
Selling Expenses	60.00	0.84	0.84	0.84	0.84	0.84
Intrest-Fixed Borrowing	100.00	129.64	101.61	73.58	45.55	17.52
Intrest-Working Capital	60.00	5.46	5.46	5.46	5.46	5.46
Depreciation Charges	100.00	253.84	216.85	185.31	158.40	135.45

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 7

[NPCS/2845/23076]

BREAK EVEN ANALYSIS

(₹ in lacs)

Particulars	Ratio	Operating Years				
		1-2	2-3	3-4	4-5	5-6
Deferred Expenses W/Off	100.00	3.00	3.00	3.00	3.00	3.00
Total Fixed Expenses		802.20	737.17	677.60	622.66	571.68
Tot.Fixed/Semi-Fixed Exp		863.41	846.89	839.05	839.78	848.82
Tot.Cash Fixed/SemiFixed		606.57	627.04	650.75	678.38	710.37
Cash Break Even Sales		705.18	729.12	756.69	788.83	826.03
Cash Margin of Safety		608.82	803.88	995.31	1182.17	1363.97
Break Even Sales		1003.78	984.76	975.65	976.50	987.01
Margin of safety		310.22	548.24	776.35	994.50	1202.99
At Maximum Utilisation :	Year	1.00	2.00	3.00	4.00	5.00
(as % of Installed Capacity)						
Cash B.E.P. :	%	53.67%	47.56%	43.19%	40.02%	37.72%
B.E.P. :	%	76.39%	64.24%	55.69%	49.54%	45.07%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 8

[NP/CS/2845/23076]

SENSITIVITY ANALYSIS - I

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
INCREASE IN SALES PRICES ::: By 2.00 %					
Resultant - Sale Value(Sales)	1340.28	1563.66	1787.04	2010.42	2233.80
Resultant - Gross Profit	453.67	638.26	814.05	981.51	1140.96
Resultant - N.P.B.T.	292.87	502.10	702.65	894.64	1078.32
Resultant - Tax on Profit	51.15	150.63	240.01	321.24	395.83
Resultant - N.P.A.T.	241.72	351.47	462.64	573.40	682.49
Resultant - Funds available	628.20	672.93	724.53	780.35	838.45
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.53	1.76	2.05	2.39	2.82
Resultant - DSCR (cumulative)	1.53	1.64	1.77	1.91	2.06
Resultant - DSCR (overall)	.....	.....	2.06	.....	.....
Resultant - Sale Value(Output)	1340.28	1563.66	1787.04	2010.42	2233.80
As such - Variable Cost	183.75	214.62	245.29	275.96	306.62
Resultant - Nett Contribution	1156.53	1349.04	1541.75	1734.46	1927.18
Resultant - PV Ratio (%age)	86.29%	86.27%	86.27%	86.27%	86.27%
Resultant - Cash BEP Sales	702.94	726.80	754.28	786.32	823.40
Resultant - Cash Margin of Safety	637.34	836.86	1032.76	1224.10	1410.40
Resultant - BEP Sales	1000.59	981.63	972.55	973.40	983.87
Resultant - Margin of safety	339.69	582.03	814.49	1037.02	1249.93
Resultant - Cash BEP % (Yr. 5)	36.86%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 8

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - I

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	44.04%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.58	0.79	0.37	0.13	0.00
- Unsecured Dep. as Debt	1.58	0.79	0.37	0.13	0.00
Resultant - ROI (%age) (Based on Fixed Assets)	15.58%	24.36%	37.26%	53.60%	73.96%
Resultant - RONW (%age)	34.10%	39.73%	35.82%	31.68%	28.00%
DECREASE IN SALES PRICES ::: By 2.00 %					
Resultant - Sale Value(Sales)	1287.72	1502.34	1716.96	1931.58	2146.20
Resultant - Gross Profit	401.11	576.94	743.97	902.67	1053.36
Resultant - N.P.B.T.	240.31	440.78	632.57	815.80	990.72
Resultant - Tax on Profit	31.83	128.10	214.26	292.27	363.64
Resultant - N.P.A.T.	208.48	312.68	418.32	523.53	627.08
Resultant - Funds available	594.96	634.14	680.20	730.48	783.05
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.45	1.66	1.92	2.24	2.63
Resultant - DSCR (cumulative)	1.45	1.55	1.67	1.79	1.93
Resultant - DSCR (overall)	1.93

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 8

[NP/CS/2845/23076]

SENSITIVITY ANALYSIS - I

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - Sale Value(Output)	1287.72	1502.34	1716.96	1931.58	2146.20
As such - Variable Cost	183.75	214.62	245.29	275.96	306.62
Resultant - Nett Contribution	1103.97	1287.72	1471.67	1655.62	1839.58
Resultant - PV Ratio (%age)	85.73%	85.71%	85.71%	85.71%	85.71%
Resultant - Cash BEP Sales	707.53	731.55	759.21	791.46	828.78
Resultant - BEP Sales	1007.12	988.04	978.90	979.76	990.30
Resultant - Cash Margin of Safety	580.19	770.79	957.75	1140.12	1317.42
Resultant - Margin of safety	280.60	514.30	738.06	951.82	1155.90
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	38.62%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	46.14%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.66	0.85	0.40	0.15	0.00
- Unsecured Dep. as Debt	1.66	0.85	0.40	0.15	0.00
Resultant - ROI (%age)	13.44%	21.67%	33.69%	48.94%	67.96%
Resultant - RONW (%age)	30.86%	37.58%	34.93%	31.38%	27.95%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 9

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - II

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
INCREASE IN SALES PRICES ::: By 5.00 %					
Resultant - Sale Value(Sales)	1379.70	1609.65	1839.60	2069.55	2299.50
Resultant - Gross Profit	493.09	684.25	866.61	1040.64	1206.66
Resultant - N.P.B.T.	332.29	548.09	755.21	953.77	1144.02
Resultant - Tax on Profit	65.63	167.53	259.33	342.97	419.97
Resultant - N.P.A.T.	266.66	380.56	495.89	610.80	724.04
Resultant - Funds available	653.14	702.02	757.77	817.75	880.01
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.59	1.84	2.14	2.51	2.95
Resultant - DSCR (cumulative)	1.59	1.71	1.84	1.99	2.15
Resultant - DSCR (overall)	.....	.....	2.15	.....	.....
Resultant - Sale Value(Output)	1379.70	1609.65	1839.60	2069.55	2299.50
As such - Variable Cost	183.75	214.62	245.29	275.96	306.62
Resultant - Nett Contribution	1195.95	1395.03	1594.31	1793.59	1992.88
Resultant - PV Ratio (%age)	86.68%	86.67%	86.67%	86.67%	86.67%
Resultant - Cash BEP Sales	699.77	723.51	750.87	782.76	819.67
Resultant - BEP Sales	996.07	977.19	968.15	968.99	979.42
Resultant - Cash Margin of Safety	679.93	886.14	1088.73	1286.79	1479.83
Resultant - Margin of safety	383.63	632.46	871.45	1100.56	1320.08
Resultant - Cash BEP % (Yr. 5)	35.65%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 9

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - II

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	42.59%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.53	0.75	0.35	0.13	0.00
- Unsecured Dep. as Debt	1.53	0.75	0.35	0.13	0.00
Resultant - ROI (%age)	17.19%	26.38%	39.94%	57.10%	78.47%
Resultant - RONW (%age)	36.34%	41.18%	36.40%	31.88%	28.03%
DECREASE IN SALES PRICES ::: By 5.00 %					
Resultant - Sale Value(Sales)	1248.30	1456.35	1664.40	1872.45	2080.50
Resultant - Gross Profit	361.69	530.95	691.41	843.54	987.66
Resultant - N.P.B.T.	200.89	394.79	580.01	756.67	925.02
Resultant - Tax on Profit	0.00	0.00	0.00	0.00	0.00
Resultant - N.P.A.T.	200.89	394.79	580.01	756.67	925.02
Resultant - Funds available	587.37	716.25	841.90	963.62	1080.98
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.43	1.88	2.38	2.96	3.63
Resultant - DSCR (cumulative)	1.43	1.65	1.87	2.11	2.37
Resultant - DSCR (overall)	2.37

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 9

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - II

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - Sale Value(Output)	1248.30	1456.35	1664.40	1872.45	2080.50
As such - Variable Cost	183.75	214.62	245.29	275.96	306.62
Resultant - Nett Contribution	1064.55	1241.73	1419.11	1596.49	1773.88
Resultant - PV Ratio (%age)	85.28%	85.26%	85.26%	85.26%	85.26%
Resultant - Cash BEP Sales	711.27	735.42	763.23	795.64	833.17
Resultant - BEP Sales	1012.44	993.27	984.08	984.94	995.54
Resultant - Cash Margin of Safety	537.03	720.93	901.17	1076.81	1247.33
Resultant - Margin of safety	235.86	463.08	680.32	887.51	1084.96
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	40.05%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	47.85%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.68	0.79	0.34	0.12	0.00
- Unsecured Dep. as Debt	1.68	0.79	0.34	0.12	0.00
Resultant - ROI (%age)	12.95%	27.37%	46.72%	70.74%	100.24%
Resultant - RONW (%age)	30.07%	45.62%	42.87%	37.44%	32.32%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 10

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - III

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
INCREASE IN MAIN MATERIAL PRICES ::: By 2.00 %					
Resultant - Main Material Amt	184.01	214.67	245.34	276.01	306.68
Resultant - Gross Profit	423.78	603.39	774.20	936.68	1091.15
Resultant - N.P.B.T.	262.98	467.23	662.80	849.81	1028.50
Resultant - Tax on Profit	40.16	137.82	225.36	304.76	377.52
Resultant - N.P.A.T.	222.82	329.41	437.44	545.04	650.98
Resultant - Funds available	609.30	650.87	699.32	751.99	806.95
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.49	1.70	1.98	2.31	2.71
Resultant - DSCR (cumulative)	1.49	1.59	1.71	1.84	1.99
Resultant - DSCR (overall)	.....	.....	1.99	.....	.....
As such - Sale Value(Output)	1314.00	1533.00	1752.00	1971.00	2190.00
Resultant - Variable Cost	187.36	218.83	250.10	281.37	312.64
Resultant - Nett Contribution	1126.64	1314.17	1501.90	1689.63	1877.36
Resultant - PV Ratio (%age)	85.74%	85.73%	85.72%	85.72%	85.72%
Resultant - Cash BEP Sales	707.44	731.46	759.11	791.35	828.67
Resultant - BEP Sales	1007.00	987.92	978.78	979.63	990.17
Resultant - Cash Margin of Safety	606.56	801.54	992.89	1179.65	1361.33

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 10

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - III

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - Margin of safety	307.00	545.08	773.22	991.37	1199.83
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	37.84%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	45.21%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.62	0.82	0.38	0.14	0.00
- Unsecured Dep. as Debt	1.62	0.82	0.38	0.14	0.00
Resultant - ROI (%age)	14.37%	22.83%	35.23%	50.95%	70.55%
Resultant - RONW (%age)	32.29%	38.54%	35.33%	31.52%	27.97%
DECREASE IN MAIN MATERIAL PRICES ::: By 2.00 %					
Resultant - Main Material Amt	176.79	206.26	235.72	265.19	294.65
Resultant - Gross Profit	431.00	611.81	783.82	947.50	1103.18
Resultant - N.P.B.T.	270.20	475.65	672.42	860.63	1040.53
Resultant - Tax on Profit	42.82	140.91	228.90	308.74	381.94
Resultant - N.P.A.T.	227.38	334.74	443.52	551.89	658.59
Resultant - Funds available	613.86	656.20	705.41	758.84	814.55
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.50	1.72	1.99	2.33	2.74

Prepared by "Niir Project Consultancy Services"

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 10

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - III

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - DSCR (cumulative)	1.50	1.60	1.72	1.86	2.01
Resultant - DSCR (overall)	.....	.....	2.01	.....	.....
As such - Sale Value(Output)	1314.00	1533.00	1752.00	1971.00	2190.00
Resultant - Variable Cost	180.14	210.41	240.48	270.54	300.61
Resultant - Nett Contribution	1133.86	1322.59	1511.52	1700.46	1889.39
Resultant - PV Ratio (%age)	86.29%	86.27%	86.27%	86.27%	86.27%
Resultant - Cash BEP Sales	702.94	726.80	754.28	786.32	823.40
Resultant - BEP Sales	1000.59	981.63	972.55	973.40	983.87
Resultant - Cash Margin of Safety	611.06	806.20	997.72	1184.68	1366.60
Resultant - Margin of safety	313.41	551.37	779.45	997.60	1206.13
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	37.60%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	44.93%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.61	0.82	0.38	0.14	0.00
- Unsecured Dep. as Debt	1.61	0.82	0.38	0.14	0.00
Resultant - ROI (%age)	14.66%	23.20%	35.72%	51.59%	71.37%
Resultant - RONW (%age)	32.74%	38.84%	35.45%	31.56%	27.98%

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 11

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - IV

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
INCREASE IN MAIN MATERIAL PRICES ::: By 5.00 %					
Resultant - Main Material Amt	189.42	220.99	252.56	284.13	315.70
Resultant - Gross Profit	418.37	597.08	766.98	928.56	1082.13
Resultant - N.P.B.T.	257.57	460.92	655.59	841.69	1019.48
Resultant - Tax on Profit	0.00	0.00	0.00	301.78	374.21
Resultant - N.P.A.T.	257.57	460.92	655.59	539.91	645.27
Resultant - Funds available	644.05	782.38	917.47	746.86	801.24
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82
Resultant - DSCR (Individual)	1.57	2.05	2.59	2.29	2.69
Resultant - DSCR (cumulative)	1.57	1.80	2.05	2.10	2.20
Resultant - DSCR (overall)	.....	.....	2.20	.....	.....]
As such - Sale Value(Output)	1314.00	1533.00	1752.00	1971.00	2190.00
Resultant - Variable Cost	192.77	225.15	257.32	289.49	321.66
Resultant - Nett Contribution	1121.23	1307.85	1494.68	1681.51	1868.34
Resultant - PV Ratio (%age)	85.33%	85.31%	85.31%	85.31%	85.31%
Resultant - Cash BEP Sales	710.86	734.99	762.78	795.17	832.67
Resultant - BEP Sales	1011.86	992.69	983.50	984.36	994.95

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 11

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - IV

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - Cash Margin of Safety	603.14	798.01	989.22	1175.83	1357.33
Resultant - Margin of safety	302.14	540.31	768.50	986.64	1195.05
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	38.02%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	45.43%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.55	0.71	0.30	0.12	0.00
- Unsecured Dep. as Debt	1.55	0.71	0.30	0.12	0.00
Resultant - ROI (%age)	16.61%	31.95%	52.80%	50.47%	69.93%
Resultant - RONW (%age)	35.54%	48.25%	43.32%	25.57%	23.87%
DECREASE IN MAIN MATERIAL PRICES ::: By 5.00 %					
Resultant - Main Material Amt	171.38	199.94	228.50	257.07	285.63
Resultant - Gross Profit	436.41	618.12	791.04	955.62	1112.20
Resultant - N.P.B.T.	275.61	481.97	679.64	868.75	1049.55
Resultant - Tax on Profit	44.81	143.23	231.55	311.72	385.26
Resultant - N.P.A.T.	230.81	338.73	448.09	557.02	664.29
Resultant - Funds available	617.29	660.19	709.97	763.97	820.26
As such - Debt Obligations	409.94	381.91	353.88	325.85	297.82

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 11

[NPCS/2845/23076]

SENSITIVITY ANALYSIS - IV

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Resultant - DSCR (Individual)	1.51	1.73	2.01	2.34	2.75
Resultant - DSCR (cumulative)	1.51	1.61	1.73	1.87	2.02
Resultant - DSCR (overall)	.....	.....	2.02	.....	.....
As such - Sale Value(Output)	1314.00	1533.00	1752.00	1971.00	2190.00
Resultant - Variable Cost	174.73	204.10	233.26	262.43	291.59
Resultant - Nett Contribution	1139.27	1328.90	1518.74	1708.57	1898.41
Resultant - PV Ratio (%age)	86.70%	86.69%	86.69%	86.69%	86.69%
Resultant - Cash BEP Sales	699.60	723.35	750.70	782.58	819.48
Resultant - BEP Sales	995.83	976.96	967.93	968.77	979.20
Resultant - Cash Margin of Safety	614.40	809.65	1001.30	1188.42	1370.52
Resultant - Margin of safety	318.17	556.04	784.07	1002.23	1210.80
Resultant - Cash BEP % (Yr. 5)	.....	.....	.....	.....	37.42%
Resultant - BEP %age (Yr. 5)	.....	.....	.....	.....	44.71%
Resultant - DEBT EQUITY RATIO					
- Unsecured Dep. as Equity	1.61	0.81	0.38	0.14	0.00
- Unsecured Dep. as Debt	1.61	0.81	0.38	0.14	0.00
Resultant - ROI (%age)	14.88%	23.48%	36.09%	52.07%	71.99%
Resultant - RONW (%age)	33.07%	39.05%	35.54%	31.59%	27.98%

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 12

SHAREHOLDING PATTERN AND STAKE STATUS

(₹ in lacs)

Shares	Face Value ₹/ Share	Share Capital				
4671736	10.00	467.17				
Particulars	Existing	Existing	Proposed	Proposed	Total	Total
	%age		%age		%age	
Capital	100.00%	0.00	100.00%	467.17	100.00%	467.17
Share Premium	0.00%	0.00	0.00%	0.00	0.00%	0.00
Total	100.00%	0.00	100.00%	467.17	100.00%	467.17

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 13

[NPCS/2845/23076]

QUANTITATIVE DETAILS OF OUTPUT, SALES AND STOCKS

Particulars	UOM	Operating Years				
		1 - 2	2 - 3	3 - 4	4 - 5	5 - 6
Determined Capacity P.A of Products/Services						
Pectin	Kgs	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00
Achievable Efficiency/Yield % of Products/Services/Items						
Pectin	%	100	100	100	100	100
Net Usable Load/Capacity of Products/Services/Items						
Pectin	Kgs	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00
No of Shifts Wkg./Day		3	3	3	3	3
No of Working Days/Year		300	300	300	300	300
Expected Usage/Utilisation of Achievable Load/Capacity (%)						
Pectin	%	60	70	80	90	100
Expected Usage/Output						
Pectin	Kgs	90,000.00	105,000.00	120,000.00	135,000.00	150,000.00
Total		90,000.0	105,000.0	120,000.0	135,000.0	150,000.0

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 13

[NPCS/2845/23076]

QUANTITATIVE DETAILS OF OUTPUT, SALES AND STOCKS

Particulars	UOM	Operating Years				
		1 - 2	2 - 3	3 - 4	4 - 5	5 - 6
Expected Sales/ Revenue/ Income of Products/ Services/ Items						
Pectin	Kgs	90,000.00	105,000.00	120,000.00	135,000.00	150,000.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 14

[NPCS/2845/23076]

PRODUCT-WISE DOMESTIC SALES REALISATION

(₹ in lacs)

Operating Year	UOM	Quantity	Rate	Sales
Description of Product				
1-2				
Pectin	Kgs	90000.00	1,460.00	1,314.00
Year Totals ::				1,314.00
2-3				
Pectin	Kgs	105000.00	1,460.00	1,533.00
Year Totals ::				1,533.00
3-4				
Pectin	Kgs	120000.00	1,460.00	1,752.00
Year Totals ::				1,752.00
4-5				
Pectin	Kgs	135000.00	1,460.00	1,971.00
Year Totals ::				1,971.00
5-6				
Pectin	Kgs	150000.00	1,460.00	2,190.00
Year Totals ::				2,190.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 15

[NPCS/2845/23076]

TOTAL RAW MATERIAL COST

(₹ in lacs)

Operating Year / Description of Product	UOM	Output Quantity	Adj. for WIP Stks	Total Quantity	Cost Per Unit	Material Type I	Material Type II	Total
1-2								
Pectin	Kgs	90000.00	0.00	90000.00	200.44	0.00	180.40	180.40
Total Raw Mat.Requirement					0.00	0.00	180.40	180.40
2-3								
Pectin	Kgs	105000.00	0.00	105000.00	200.44	0.00	210.47	210.47
Total Raw Mat.Requirement						0.00	210.47	210.47
3-4								
Pectin	Kgs	120000.00	0.00	120000.00	200.44	0.00	240.53	240.53
Total Raw Mat.Requirement						0.00	240.53	240.53
4-5								
Pectin	Kgs	135000.00	0.00	135000.00	200.44	0.00	270.60	270.60
Total Raw Mat.Requirement						0.00	270.60	270.60
5-6								
Pectin	Kgs	150000.00	0.00	150000.00	200.44	0.00	300.66	300.66
Total Raw Mat.Requirement						0.00	300.66	300.66

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 16

RAW MATERIAL COST PER UNIT

(Amount in ₹)

Description of Product / Description of Raw-Material	UOM	Qty.Per Batch	Losses %age	Total Quantity	Rate Per Unit	Total	Batch Qty of Output	Amount Per Unit
Pectin from Citrus, Lemon and Orange								
Citrus Peels (Dry Basis)	Kgs	5.200	0.00	5.20	20.00	104.00		
Conc. Sulphuric Acid	Ltrs	0.186	0.00	0.19	12.00	2.23		
Ethanol (95%)	Ltrs	2.239	0.00	2.24	40.00	89.55		
Sodium Hydroxide	Kgs	0.186	0.00	0.19	25.00	4.66		
Sub Totals						200.44		
Add Loss/Wastage @ 0.00%	0.00%					-		
Totals (Indigenous)						200.44	1.00	200.44

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 17

[NPCCS/2845/23076]

TOTAL LAB & ETP CHEMICALS COST

(₹ in lacs)

Operating Year / Description of Product	UOM	Output Quantity	Adj. for WIP Stks	Total Quantity	Cost Per Unit	Total
1-2						
Lab & Other Chemicals Cost	0.00	90000	0.00	90000	2.000	1.80
Year Total ::						1.80
2-3						
Lab & Other Chemicals Cost	0.00	105000	0.00	105000	2.000	2.10
Year Total ::						2.10
3-4						
Lab & Other Chemicals Cost	0.00	120000	0.00	120000	2.000	2.40
Year Total ::						2.40
4-5						
Lab & Other Chemicals Cost	0.00	135000	0.00	135000	2.000	2.70
Year Total ::						2.70
5-6						
Lab & Other Chemicals Cost	0.00	150000	0.00	150000	2.000	3.00
Year Total ::						3.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 18

[NPCS/2845/23076]

CONSUMABLES, STORES AND SPARES EXPENSES

(₹ in lacs)

Operating Year / Description of Product	UOM	Output Quantity	Adj. for WIP Stks	Total Quantity	Cost Per Unit	Total
1-2						
Consumable Store		90000	0.00	90000	4.000	3.60
Year Total::						3.60
2-3						
Consumable Store		105000	0.00	105000	4.000	4.20
Year Total::						4.20
3-4						
Consumable Store		120000	0.00	120000	4.000	4.80
Year Total::						4.80
4-5						
Consumable Store		135000	0.00	135000	4.000	5.40
Year Total::						5.40
5-6						
Consumable Store		150000	0.00	150000	4.000	6.00
Year Total::						6.00

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 19

TOTAL PACKING MATERIAL COST

(₹ in lacs)

Operating Year / Description of Product	UOM	Output Quantity	Adj. for WIP Stks	Total Quantity	Cost Per Unit	Total
Pectin from Citrus, Lemon and Orange	Kgs	90000	0.00	90000	2.000	1.80
Year Total::						1.80
2-3						
Pectin from Citrus, Lemon and Orange	Kgs	105000	0.00	105000	2.000	2.10
Year Total::						2.10
3-4						
Pectin from Citrus, Lemon and Orange	Kgs	120000	0.00	120000	2.000	2.40
Year Total::						2.40
4-5						
Pectin from Citrus, Lemon and Orange	Kgs	135000	0.00	135000	2.000	2.70
Year Total::						2.70
5-6						
Pectin from Citrus, Lemon and Orange	Kgs	150000	0.00	150000	2.000	3.00
Year Total::						3.00

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 20

PACKING MATERIAL COST PER UNIT

(Amount in ₹)

Description of Product / Description of Packing Material	UOM	Qty.Per Batch	Losses %age	Total Quantity	Rate Per Unit	Total	Batch Qty of Output	Amount Per Unit
Pectin from Citrus, Lemon and Orange								
Printed Packing Materials	Nos	1.00	0.00	1.00	2.00	2.00		
Sub Total						2.00		
Add Loss/Wastage @ 0.00 %						0.00		
Product Total						2.00	1.00	2.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 21

[NPCS/2845/23076]

EMPLOYEES EXPENSES

(₹ in lacs)

Placement / Designation	Dept./ Category	Starting Year	Starting Month	No.of Persons	Pay Per Month	Total Per Annum
Factory Personnel						
As Applicable from Year 1						
Manager		1.00	1.00	1.00	50,000.00	6.00
Chemical Engineer		1.00	1.00	1.00	35,000.00	4.20
Supervisors		1.00	1.00	3.00	20,000.00	7.20
Chemist		1.00	1.00	4.00	18,000.00	8.64
Skilled Workers		1.00	1.00	12.00	15,000.00	21.60
Electricians		1.00	1.00	3.00	15,000.00	5.40
Fitters		1.00	1.00	3.00	15,000.00	5.40
Unskilled Workers		1.00	1.00	15.00	12,000.00	21.60
Accountant		1.00	1.00	1.00	20,000.00	2.40
Computer Operators		1.00	1.00	4.00	18,000.00	8.64
Office Staffs		1.00	1.00	6.00	18,000.00	12.96
Sales Executives		1.00	1.00	2.00	18,000.00	4.32
Peon		1.00	1.00	3.00	12,000.00	4.32
Security Guards		1.00	1.00	9.00	12,000.00	12.96
T O T A L						125.64
Welfare Expenses				20.00%		25.13
Year Total						150.77
Total (Factory)						67.00

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 21

[NPCS/2845/23076]

EMPLOYEES EXPENSES

(₹ in lacs)

Placement / Designation	Dept./ Category	Starting Year	Starting Month	No.of Persons	Pay Per Month	Total Per Annum
Grand Total				67.00		

EMPLOYEES EXPENSES

Operating Year	%age Increase	Total
1-2		150.77
2-3	10.00	165.84
3-4	10.00	182.43
4-5	10.00	200.67
5-6	10.00	220.74

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 22
FUEL EXPENSES

(₹ in lacs)

Operating Year	%age Increase	Total
1-2		7.20
2-3	10.00	7.92
3-4	10.00	8.64
4-5	10.00	9.36
5-6	10.00	10.08

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 23

POWER/ELECTRICITY EXPENSES

(₹ in lacs)

Operating Year	%age Increase	Total
1-2		100.68
2-3	10.00	110.75
3-4	10.00	120.82
4-5	10.00	130.89
5-6	10.00	140.96

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 24

ROYALTY AND OTHER CHARGES

(₹ in lacs)

Operating Year	%age Increase	Total
1-2		2.00
2-3	10.00	2.20
3-4	10.00	2.40
4-5	10.00	2.60
5-6	10.00	2.80

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 25

REPAIRS AND MAINTENANCE EXPENSES

(₹ in lacs)

Particulars	%age to Assets Value	Total
Buildings		
-Factory Building	10.00	15.81
Plant & Machineries		
-Imported Machineries	0.00	0.00
-Indigenous Machineries	10.00	150.16
-Maintenance Equipments	10.00	1.64
-Laboratory Equipments	10.00	0.55
-Miscellaneous Machines	10.00	0.55
-Foundation, Installation	0.00	0.00
-Motor Vehicles	10.00	0.80
-Office Automation Equipments	10.00	0.10
-Furniture & Fixtures	10.00	6.85
TOTAL		176.45

Operating Year	% Increase	Total
1-2		176.45
2-3	10.00	194.10
3-4	10.00	213.51
4-5	10.00	234.86
5-6	10.00	258.34

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 26

OTHER MANUFACTURING EXPENSES

(₹ in lacs)

Particulars	Total
Insurance Professional fees	7.20
Water Exp.	0.86
T o t a l	8.06

Operating Year	% Increase	Total
1-2		8.06
2-3	10.00	8.87
3-4	10.00	9.76
4-5	10.00	10.73
5-6	10.00	11.81

Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 27

ADMINISTRATIVE AND GENERAL EXPENSES

(₹ in lacs)

Particulars	Total
Administration expense	3.60
Stationery Exp., Telephone, Postage	2.16
Repairs and Maintenance	3.60
Internet Expenses	1.44
Conveyance Exp.	3.60
Publicity Exp.	7.20
Total	21.60

Operating Year	% Increase	Total	Misc	Total
1-2		21.60	0.00	21.60
2-3	10.00	23.76	0.00	23.76
3-4	10.00	26.14	0.00	26.14
4-5	10.00	28.75	0.00	28.75
5-6	10.00	31.62	0.00	31.62

Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 28

SELLING AND DISTRIBUTION EXPENSES

(₹ in lacs)

Operating Year	% Increase	Total
1-2		1.00
2-3	10.00	1.10
3-4	10.00	1.20
4-5	10.00	1.30
5-6	10.00	1.40

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 29

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER BOOKS (TOTAL)

(₹ in lacs)

Operating Year	F.Assets Type A-1	F.Assets Type A-2	F.Assets Type B	F.Assets Type C	F.Assets Type D-1	F.Assets Type D-2	Total
Particulars	Factory Building -	Office Buildings	PLANT & MACHINERY	Office Vehicles	Office Automation Equipments (Telephone/ Fax/ Computer)	Furniture & Fixtures	
1-2	158.09	0.00	1531.10	8.00	1.00	68.50	
	15.81	0.00	229.88	1.20	0.10	6.85	253.84
2-3	142.28	0.00	1301.22	6.80	0.90	61.65	
	14.23	0.00	195.35	1.02	0.09	6.17	216.85
3-4	128.05	0.00	1105.87	5.78	0.81	55.49	
	12.81	0.00	166.00	0.87	0.08	5.55	185.31
4-5	115.25	0.00	939.87	4.91	0.73	49.94	
	11.52	0.00	141.07	0.74	0.07	4.99	158.40
5-6	103.72	0.00	798.79	4.18	0.66	44.94	
	10.37	0.00	119.89	0.63	0.07	4.49	135.45
	93.35	0.00	678.91	3.55	0.59	40.45	

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 29

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER BOOKS (TOTAL)

(₹ in lacs)

Particulars	Method	Deprn.Rate	Part Consideration (for Asset put to use less than 6 months)
Type A :: Buildings			
Factory Building -	WDV	0.10	0.50
Office Buildings	WDV	0.10	0.50
Type C			
Office Vehicles	WDV	0.15	0.50
Type D :: Misc. Fixed Assets			
Equipments (Telephone/ Fax/ Computer)	WDV	0.10	0.50
Furniture & Fixtures	WDV	0.10	0.50

Type B :: Plant & Machineries (All calculation are given in Annexure 30)

Contingencies, Pre-operative Expenses and Capital WIP are capitalised as under (₹ in lacs)

Description	P & P Expenses	Contingencies	Capital WIP	Total
Factory Building -	0.46	12.73	0.00	13.19
Total	0.46	12.73	0.00	13.19

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 30

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER BOOKS (P&M)

(₹ in lacs)

Operating Year	F.Assets Type B-1	F.Assets Type B-2	F.Assets Type B-3	F.Assets Type B-4	F.Assets Type B-5	F.Assets Type B-6	Total
PLANT & MACHINERY	Imported Machineries	Indigenous Machineries	Erection & Installation	Laboratory Equipments	Miscellaneous Equipments like pumps, valves, pipeline & fittings	Maintenance Equipments	
1-2	0.00	1501.64	16.37	5.46	5.46	2.18	1531.10
	0.00	225.25	2.45	0.82	0.82	0.55	229.88
2-3	0.00	1276.39	13.91	4.64	4.64	1.64	1301.22
	0.00	191.46	2.09	0.70	0.70	0.41	195.35
3-4	0.00	1084.94	11.82	3.94	3.94	1.23	1105.87
	0.00	162.74	1.77	0.59	0.59	0.31	166.00
4-5	0.00	922.20	10.05	3.35	3.35	0.92	939.87
	0.00	138.33	1.51	0.50	0.50	0.23	141.07
5-6	0.00	783.87	8.54	2.85	2.85	0.69	798.79
	0.00	117.58	1.28	0.43	0.43	0.17	119.89
	0.00	666.29	7.26	2.42	2.42	0.52	678.91

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ANNEXURE - 30

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER BOOKS (P&M)

(₹ in lacs)

Particulars	Method	Dep.Rate	Part Consideration, if any
Imported Machineries	WDV	0.25	0.50
Indigenous Machineries	WDV	0.15	0.50
Erection & Installation	WDV	0.15	0.50
Laboratory Equipments	WDV	0.15	0.50
Miscellaneous Equipments like pumps, valves, pipeline & fittings	WDV	0.15	0.50
Maintenance Equipments	WDV	0.25	0.50

Contingencies, Pre-operative Expenses and Capital WIP are capitalised as under

(₹ in lacs)

Description	P & P Expenses	Contingencies	Capital WIP	Total
Imported Machineries	0.00	0.00	0.00	0.00
Indigenous Machineries	4.35	120.95	0.00	125.30
Erection & Installation	0.05	1.32	0.00	1.37
Laboratory Equipments	0.02	0.44	0.00	0.46
Miscellaneous Equipments like pumps, valves, pipeline & fittings	0.02	0.44	0.00	0.46
Maintenance Equipments	0.01	0.18	0.00	0.18
Total	4.43	123.32	0.00	127.76

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 31

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER INCOME TAX ACT (WDV) (TOTAL)

(₹ in lacs)

Operating Year	F.Assets Type A-1	F.Assets Type A-2	F.Assets Type B	F.Assets Type C	F.Assets Type D-1	F.Assets Type D-2	Total
Particulars	Factory Building -	Office Buildings	PLANT & MACHINERY	Office Vehicles	Office Automation Equipments (Telephone/ Fax/ Computer)	Furniture & Fixtures	
1-2	158.09	0.00	1531.10	8.00	1.00	68.50	
	15.81	0.00	382.77	2.00	0.10	6.85	407.53
2-3	142.28	0.00	1148.32	6.00	0.90	61.65	
	14.23	0.00	287.08	1.50	0.09	6.17	309.06
3-4	128.05	0.00	861.24	4.50	0.81	55.49	
	12.81	0.00	215.31	1.13	0.08	5.55	234.87
4-5	115.25	0.00	645.93	3.38	0.73	49.94	
	11.52	0.00	161.48	0.84	0.07	4.99	178.92
5-6	103.72	0.00	484.45	2.53	0.66	44.94	
	10.37	0.00	121.11	0.63	0.07	4.49	136.68
	93.35	0.00	363.34	1.90	0.59	40.45	

Depreciation hereinabove is calculated as per WDV at rates prescribed under I.T.Act

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 31

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER INCOME TAX ACT (WDV) (TOTAL)

Particulars	Method	Dep.Rate	Part Consideration (for Asset put to use less than 6 months)
Type A :: Buildings			
Factory Building	WDV	0.10	0.50
Office Building	WDV	0.10	0.50
Type C			
Motor Vehicles	WDV	0.25	0.50
Type D :: Misc. Fixed Assets			
Office Automation Equipments	WDV	0.10	0.50
Furniture & Fixtures	WDV	0.10	0.50

Type B :: Plant & Machineries(All calculation are given in Annexure 32)

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 32

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER INCOME TAX ACT(WDV) (P&M)

(₹ in lacs)

Operating Year	F.Assets Type B-1	F.Assets Type B-2	F.Assets Type B-3	F.Assets Type B-4	F.Assets Type B-5	F.Assets Type B-6	Total
PLANT & MACHINERY	Imported Machineris	Indigenous Machineris	Erection & Installation	Laboratory Equipments	Miscellaneous Equipments like pumps, valves, pipeline & fittings	Maintenance Equipments	
1-2	0.00	1501.64	16.37	5.46	5.46	2.18	
	0.00	375.41	4.09	1.36	1.36	0.55	382.77
2-3	0.00	1126.23	12.27	4.09	4.09	1.64	
	0.00	281.56	3.07	1.02	1.02	0.41	287.08
3-4	0.00	844.67	9.21	3.07	3.07	1.23	
	0.00	211.17	2.30	0.77	0.77	0.31	215.31
4-5	0.00	633.50	6.90	2.30	2.30	0.92	
	0.00	158.38	1.73	0.58	0.58	0.23	161.48
5-6	0.00	475.13	5.18	1.73	1.73	0.69	
	0.00	118.78	1.29	0.43	0.43	0.17	121.11
	0.00	356.35	3.88	1.29	1.29	0.52	363.34

Depreciation hereinabove is calculated as per WDV at rates prescribed under I.T.Act

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 32

[NPCS/2845/23076]

DEPRECIATION CHARGES AS PER INCOME TAX ACT(WDV) (P&M)

Particulars	Method	Dep.Rate	Part Consideration, if any
Imported Machineries	WDV	0.25	0.50
Indigenous Machineries	WDV	0.25	0.50
Maintenance Equipments	WDV	0.25	0.50
Laboratory Equipments	WDV	0.25	0.50
Miscellaneous Equipments	WDV	0.25	0.50
Foundation, Installation etc.	WDV	0.25	0.50

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 33

[NPCS/2845/23076]

INTEREST AND REPAYMENT ON TERM LOANS

(₹ in lacs)

A	Name of Institution-Bank	ABC BANK	
B	Term Borrowing Amount	1401.52	Lacs
C	Repayment Term (Years)	5	Years
D	Repayment Instalments	20.00	Instalments
E	Repayment Commencement	Year - 0; 3rd Qtr.	
F	Rate of Interest(General)	10.00%	p.a.
F	Rate of Interest(Initial)	0.00%	p.a.
G	Apply Gen. Int. Rate from Year	1 Quarter :: 1	
H	Interest Calculation	Quarterly	

Operating Year	Period Ended	Repayment	Outstanding	Interest
	Quarter Ended			
1-2	1.00	70.08	1331.44	35.04
	2.00	70.08	1261.37	33.29
	3.00	70.08	1191.29	31.53
	4.00	70.08	1121.22	29.78
	TOTAL :	280.30		129.64
2-3	1.00	70.08	1051.14	28.03
	2.00	70.08	981.06	26.28
	3.00	70.08	910.99	24.53
	4.00	70.08	840.91	22.77
	TOTAL :	280.30		101.61
3-4	1.00	70.08	770.84	21.02
	2.00	70.08	700.76	19.27
	3.00	70.08	630.68	17.52
	4.00	70.08	560.61	15.77
	TOTAL :	280.30		73.58
4-5	1.00	70.08	490.53	14.02
	2.00	70.08	420.46	12.26
	3.00	70.08	350.38	10.51
	4.00	70.08	280.30	8.76
	TOTAL :	280.30		45.55
5-6	1.00	70.08	210.23	7.01
	2.00	70.08	140.15	5.26
	3.00	70.08	70.08	3.50
	4.00	70.08	0.00	1.75
	TOTAL :	280.30		17.52
Total Loan amount		1,401.52		

Note : Repayment is considered as being made at the end of the period

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Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

ANNEXURE - 34 TAX ON PROFITS

(₹ in lacs)

Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Net Profit Before Taxes	266.59	471.44	667.61	855.22	1034.52
Adjustments to NPBT					
Add : Depreciation as provided	253.84	216.85	185.31	158.40	135.45
Less : Depreciation as per IT	407.53	309.06	234.87	178.92	136.68
Recomputed NPBT	112.90	379.23	618.05	834.70	1033.28
Taxable Profits	112.90	379.23	618.05	834.70	1033.28
(%)	36.75%	36.75%	36.75%	36.75%	36.75%
Tax on Profits	41.49	139.37	227.13	306.75	379.73

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Pectin from Citrus, Lemon and Oranges

ANNEXURE - 35

[NPCS/2845/23076]

PROJECTED PAY-BACK PERIOD AND IRR

(₹ in lacs)

Particulars	Operating Years					Total
	1-2	2-3	3-4	4-5	5-6	
IN-FLOW of Funds						
Net Profit After Taxes	225.10	332.08	440.48	548.47	654.78	
Added Back						
Depreciation Charges	253.84	216.85	185.31	158.40	135.45	
P & P Expenses W/off	3.00	3.00	3.00	3.00	3.00	
Interest Charges	129.64	101.61	73.58	45.55	17.52	
Revenue Inflow of Funds	611.58	653.54	702.37	755.42	810.75	
Residual Value-M/Money	0.00	0.00	0.00	0.00	33.82	
Total Inflow of Funds	611.58	653.54	702.37	755.42	844.57	3567.47
OUT-FLOW of Funds						
Capital Out-flow of Funds	1868.69	0.00	0.00	0.00	0.00	1868.69

(₹ in lacs)

Projected Pay Back Period					
Particulars	Operating Years				
	1-2	2-3	3-4	4-5	5-6
Year	1	2	3	4	5
Initial Investment	1868.69				
Total Initial Investment	1868.69				
Yearly Cash Flow	611.58	653.54	702.37	755.42	844.57
Accumulated Cash Flow	611.58	1265.12	1967.48	2722.90	3567.47
Pay Back Period	2 Years 4 Months		2 Years 9.77months		

Pectin from Citrus, Lemon and Oranges

ANNEXURE - 35

[NPCS/2845/23076]

PROJECTED PAY-BACK PERIOD AND IRR

(₹ in lacs)

Projected IRR			
Year	CFAT	PV factor @15%	0.15
Initial Investment	-1868.69	1.0000	-1868.69
1-2	611.58	0.8696	531.83
2-3	653.54	0.7561	494.14
3-4	702.37	0.6575	461.81
4-5	755.42	0.5718	431.95
5-6	844.57	0.4972	419.92
Total PV	3567.47		2339.64
IRR	24.62%		8.37%

Pectin from Citrus, Lemon and Oranges

[NPCS/2845/23076]

PROJECT AT A GLANCE

(₹ in lacs)

COST OF PROJECT				MEANS OF FINANCE			
Particulars	Existing	Proposed	Total	Particulars	Existing	Proposed	Total
Land & Site Development Exp.	0.00	35.00	35.00	Capital	0.00	467.17	467.17
Buildings	0.00	144.90	144.90	Share Premium	0.00	0.00	0.00
Plant & Machineries	0.00	1403.34	1403.34	Other Type Share Capital	0.00	0.00	0.00
Motor Vehicles	0.00	8.00	8.00	Reserves & Surplus	0.00	0.00	0.00
Office Automation Equipments	0.00	69.50	69.50	Cash Subsidy	0.00	0.00	0.00
Technical Knowhow Fees & Exp.	0.00	30.00	30.00	Internal Cash Accruals	0.00	0.00	0.00
Franchise & Other Deposits	0.00	0.00	0.00	Long/Medium Term Borrowings	0.00	1401.52	1401.52
Preliminary & Pre-operative Exp	0.00	5.00	5.00	Debentures / Bonds	0.00	0.00	0.00
Provision for Contingencies	0.00	139.13	139.13	Unsecured Loans/Deposits	0.00	0.00	0.00
Margin Money - Working Capital	0.00	33.82	33.82				
TOTAL	0.00	1868.69	1868.69	TOTAL	0.00	1868.69	1868.69

Pectin from Citrus, Lemon and Oranges

PROJECT AT A GLANCE

[NPCS/2845/23076]

Year	Annualised		Book Value	Debt	Dividend	Retained Earnings		Payout	Probable Market Price	P/E Ratio	Yield Price/ Book Value		
	EPS	CEPS				Per Share						Per Share	
	₹	₹				₹	₹					%	₹
1-2	4.82	10.32	14.82	24.00	0.00	100.00	4.82	0.00	4.82	1.00	0.00		
2-3	7.11	11.81	21.93	18.00	0.00	100.00	7.11	0.00	7.11	1.00	0.00		
3-4	9.43	13.46	31.36	12.00	0.00	100.00	9.43	0.00	9.43	1.00	0.00		
4-5	11.74	15.19	43.10	6.00	0.00	100.00	11.74	0.00	11.74	1.00	0.00		
5-6	14.02	16.98	57.11	0.00	0.00	100.00	14.02	0.00	14.02	1.00	0.00		

Year	D. S. C. R.			Debt / - Deposits Debt	Equity as- Equity	Total Net Worth	Return on Net Worth	Profitability Ratio					Assets Turnover Ratio	Current Ratio
	Individual	Cumulative	Overall					GPM	PBT	PAT	Net Contribution	P/V Ratio		
	(Number of times)							(Number of times)	%	%	%	%		
Initial				3.00	3.00									
1-2	1.49	1.49		1.62	1.62	1.73		32.53%	20.29%	17.13%	1130.25	86.02%	0.71	0.87
2-3	1.71	1.60		0.82	0.82	0.90		39.63%	30.75%	21.66%	1318.38	86.00%	0.80	1.62
3-4	1.98	1.72	2.00	0.38	0.38	0.45		44.46%	38.11%	25.14%	1506.71	86.00%	0.83	2.53
4-5	2.32	1.85		0.14	0.14	0.19		47.80%	43.39%	27.83%	1695.04	86.00%	0.83	3.61
5-6	2.72	2.00		0.00	0.00	0.04		50.10%	47.24%	29.90%	1883.38	86.00%	0.79	16.55

Pectin from Citrus, Lemon and Oranges

PROJECT AT A GLANCE

[NPCS/2845/23076]

BEP	
BEP - Maximum Utilisation Year	5
Cash BEP (% of Installed Capacity)	37.72%
Total BEP (% of Installed Capacity)	45.07%
IRR, PAYBACK and FACR	
Internal Rate of Return .. (In %age)	24.62%
Payback Period of the Project is (In Years)	2 Years 4 Months
Fixed Assets Coverage Ratio (No. of times)	2.373