A project report on

"A STUDY ON INVENTORY MANAGEMENT WITH REFERENCE TO SEQUENT SCIENTIFIC LIMITED, MANGLORE"

A Report submitted to



"VISVESVARAYA TECHNOLOGICAL UNIVERSITY"

In partial fulfillment of the award for the degree

MASTER OF BUSINESS ADMINISTRATION, 2016-2018

Submitted By,

SUPREETHA

USN: 4LV16MBA53

Under the guidance of

Internal guide External guide

Dr. Nagendra Manoja P

Senior Assistant Professor Deputy Manager (Accounts)

AIET, Mijar. Mangalore.



DEPARTMENT OF MBA

ALVAS INSTITUTE OF ENGINEERING &TECHNOLOGY

Mijar, Moodbidri

May 2018



Sequent

TO WHOMSOEVER IT MAY CONCERN

This is to certify that <u>Miss. Supreetha</u> pursuing her MBA from Alva's Institute of Engineering & Technology, Mijar, Moodabidri bearing Reg. No. <u>4LV16MBA53</u> has completed her Project Work entitled <u>"A STUDY ON INVENTORY MANAGEMENT OF SEQUENT SCIENTIFIC LIMITED, BAIKAMPADY, MANGALORE"</u> in our organisation as partial fulfilment of Master Degree from 15.01.2018 to 24.03.2018.

She has shown interest in learning and her conduct and character was good.

We wish good luck in her future endeavours.

For SEQUENT SCIENTIFIC LIMITED

Manoja.P

Deputy Manager- Accounts

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)
(Affiliated to Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognised by Government of Karnataka)
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.
Phone: 08258-262724 (O), 262725 (P), Telefax:08258-262726

Email: principalaiet08@gmail.com, Web:www.aiet.org.in

17 -May-2018

CERTIFICATE

It is hereby certified that Ms. SUPREETHA bearing USN: 4LV16MBA53 is a bonafide student of the Master of Business Administration course of the Institute (2016-18), affiliated to Visvesvaraya Technological University, Belgaum.

The project report on the topic "A STUDY ON INVENTORY MANAGEMENT OF SEQUENT SCIENTIFIC LIMITED, BAIKAMPADY, MANGALORE" is prepared by her under the guidance of Dr. Nagendra, Senior Assistant Professor, Department of MBA, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration under Visvesvaraya Technological University, Belgaum, Karnataka.

Dr. Nagendra Internal Guide Prof. Ramakrishna Chadaga

Dean - MBA

DEAN

Dept. of Business Administration

Lya's Institute of Engg. & Technology

MIJAR – 574 225

Dr. Peter Fernandes

Principa RRINCIPAL Alva's Institute of Engg. & Technology, Mijur, MOODBIDRI - 574 225, D.K.

DECLARATION

I Supreetha, hereby declare that the project report entitled "Inventory Management Analysis" study conducted at "Sequent Scientific Ltd" a report is prepared by me under the guidance of Dr. Nagendra, Senior Assistant Professor, Department of Business Administration, Alva's Institute of Engineering and Technology and External assistance by Mr. Manoja P. Deputy Manager(Accounts), Sequent Scientific Ltd, Bikampady, Mangalore.

I have undergone a project 10 weeks and I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University/Institution.

Signature of the student

Place: Mijar

Date: 23 05 2018

ACKNOWLEDGEMENT

For the completion of any task in an efficient and effective way within the period of given time, the assistance and hard work of many people are complementary. I wish to express my sincere gratitude to those many people whose timely support, guidance, suggestions and encouragement helped for the completion of project report.

I acknowledge my fullest gratitude to my faculty guide **Dr. Nagendra, Senior Assistant Professor,** Department of Business Administration, for his regular supervision and valuable suggestions.

It is my pleasure to acknowledge Mr. Manoja P, Deputy Manager (Accounts) and the staff of Sequent Scientific Ltd for granting permission and providing requisite information regarding the project. First and foremost, I acknowledge my deepest gratitude to Dr. M Mohan Alva, Chairman, Alva's Education Foundation, Moodbidri.

It is my privilege to thank our principal **Dr. Peter Fernandes** for giving me the opportunity to take up this project. At the outset I would like to acknowledge my gratitude to **Prof. Ramakrishna Chadaga**, **Dean of Department of Business Administration**. My profound gratitude to all the faculty members of the Department of Business Administration, Alva's Institute of Engineering and Technology, Mijar, Moodbidri.

Finally I extend my gratitude to my parents and family members for the continual encouragement and blessings and also my friends for their support to finish my project successfully.

Supreetha

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EXICUTIVE SUMMARY

I selected Sequent Scientific Limited as my company for the project study. The project study was undertaken for 10 weeks and this study was based on both the primary and secondary data. In primary data, information directly collected through questioning the personnel of the company. And in secondary data I gathered necessary information from their website. The study was done on the topic of Inventory Management System of the company according to pre-determined chapters.

Sequent Scientific Ltd Company engaged in the manufacture and development of pharmaceuticals and specialty chemicals. The company has strong management and good decision making capacity. The report contains the overall information of the company operations, company business strategy, structure, detailed analysis of company strength, weakness, opportunity and threat, products and services, financial statement and conceptual study with relevant calculations.

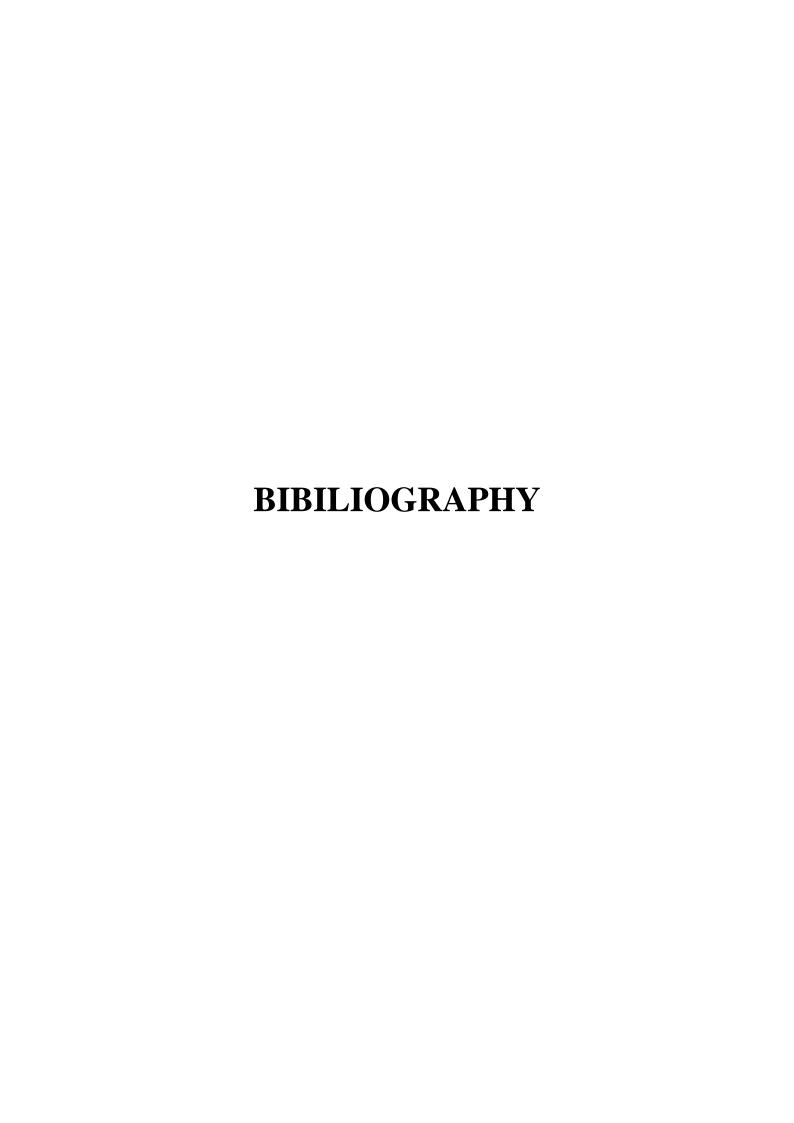
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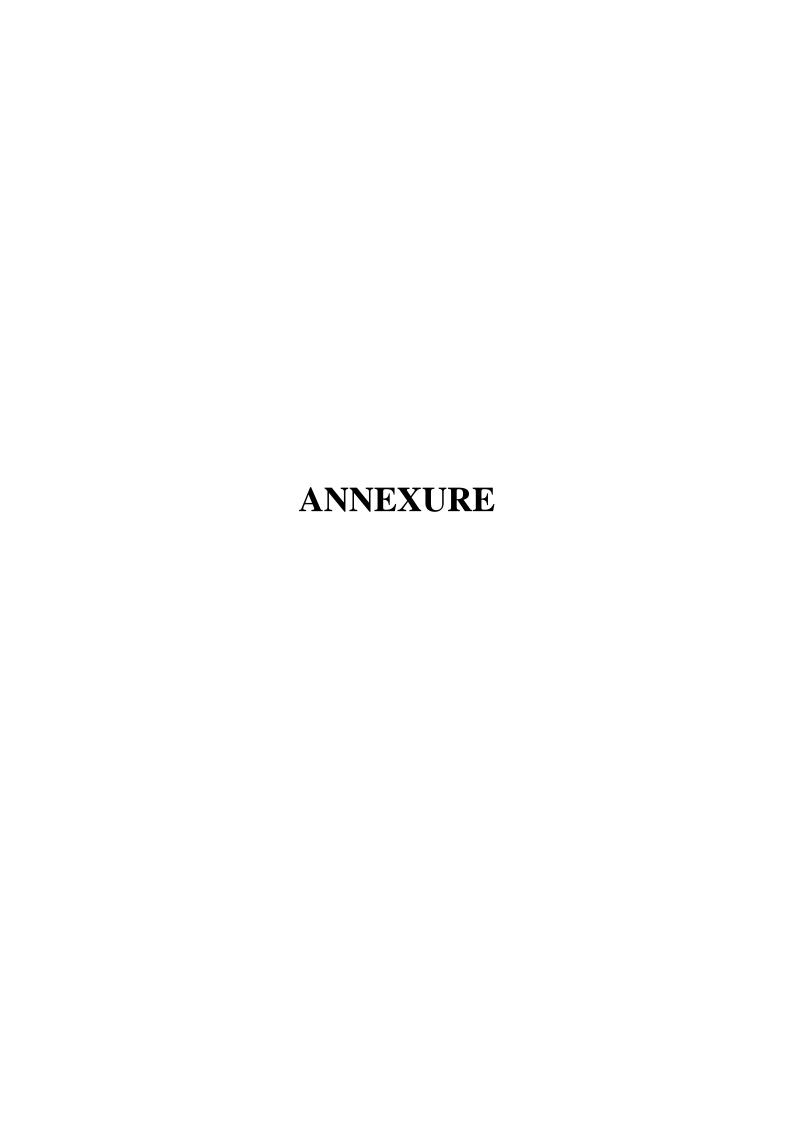
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Particulars	31 March 2017	31 March 2016	01 April 2015
A ASSETS			
1. Non-current assets			
(a) Property, plant and equipment	1,740.16	1,589.31	1,727.82
(b) Capital work-in-progress	11.27	181.42	63.69
(c) Investment property	61.85	62.89	63.93
(d) Other intangible assets	76.51	106.70	126.44
(e) Intangible assets under development	311.35	18.27	25.56
(f) Financial assets			
i. Investments			
(a) Investment in subsidiaries	4,646.51	4,680.04	1,250.76
(b) Other investments	3,638.91	3,605.79	1,498.78
ii. Other financial assets	20.26	27.17	26.96
(g) Deferred tax assets(Net)	45.75	45.75	46.44
(h) Other non-current assets	267.30	152.26	145.43
Total non-current assets	10,819.87	10,469.60	4,975.81
2. Current assets			
(a) Inventories	625.34	561.90	668.84
(b) Financial assets			
i. Investments	622.78	622.89	1.72
ii. Trade receivables	1,130.30	737.46	1,004.09
iii. Cash and cash equivalents	11.86	11.01	206.14
iv. Bank balances other than above	18.71	36.96	67.78
v. Loans	828.90	623.36	8.18
vi. Other financial assets	51.79	19.73	19.54
(c) other current assets	325.31	257.43	315.96
	3,614.99	2,870.74	2,292.25
Asset classified as held for sale	68.50	143.97	150.00
Total current assets	3,683.49	3,014.71	2,442.25
Total assets	14,503.36	13,484.31	7,418.06
B EQUITY AND LIABILITIES			

I. Equity			
(a) Equity share capital	487.47	476.47	304.85
(b) Other equity	12,085.83	11,582.38	2,183.89
Total equity	12,573.30	12,058.85	2,488.74
II. Liabilities			
1. Non-current liabilities			
(a) Financial liabilities			
i. Borrowings	139.76	238.19	548.81
(b) Provisions	103.23	88.36	89.70
Total non-current liabilities	242.99	326.55	638.51
2. Current liabilities			
(a) Financial liabilities			
i. Borrowings	632.24	150.41	2,702.90
ii. Trade payables	699.57	736.44	698.11
iii. Other financial liabilities	313.07	185.12	854.93
(b) Other current liabilities	39.81	23.37	29.79
(c) Provisions	2.38	3.57	5.08
Total current liabilities	1,687.07	1,098.91	4,290.81
Total liabilities	1,930.06	1,425.46	4,929.32
Total equity and liabilities	14,503.36	13,484.31	7,418.06

Particulars	31 March 2016	31 March 2015
A EQUITY AND LIABILITIES		
1 Shareholder's funds		
(a) share capital	476.47	304.85
(b) Reserves and Surplus	8,963.36	976.31
(c) Money Received Against Share Warrants	130.63	288.08
	9,570.46	1,569.24
2 Non-current liabilities		
(a) Long Term Borrowings	243.28	570.44
(b) Long Term Provisions	88.36	89.70
	331.64	660.14
3 Current liabilities		
(a) Short Term Borrowings	150.41	2,702.90
(b) Trade Payables		
i. Total outstanding dues of micro enterprise and	-	0.81
small enterprises		
ii. Total outstanding dues of creditors other than micro	736.41	697.30
enterprises and small enterprises		
(c) Other Current Liabilities	139.21	868.46
(d) Short Term Provisions	3.57	5.08
	1029.60	4,274.55
TOTAL	10,931.70	6,503.93
B ASSETS		
1 Non-Current Assets		
(a) Fixed assets		
i. Tangible assets	1,741.72	1,882.37
ii. Intangible assets	106.70	126.44
iii. Capital Work-in-Progress	181.42	63.69
iv. Intangible Assets Under Development	18.27	25.56
	2,048.11	2,098.06
(b) Non-current investments	5,834.39	1,831.14

TOTAL	10,931.70	6,503.93
	2,914.22	2,423.79
(a) Other current assets	163.96	169.53
(e) Short term loans and advances	881.53	323.25
(d) Cash and cash equivalents	53.25	273.75
(c) Trade receivables	667.81	987.65
(b) Inventories	561.90	668.84
(a) Current investments	585.77	0.77
2 Current assets		
	8,017.48	4,080.14
(e) Other non-current assets	-	5.41
(d) Long term loans and advances	134.98	144.84
(c) Deferred tax assets (net)	-	0.69

Particulars	31 March 2015	31 March 2014
A EQUITY AND LIABILITIES		
1 Shareholder's funds		
(a) share capital	304.85	267.40
(b) Reserves and Surplus	976.31	128.60
(c) Money Received Against Share Warrants	288.08	106.51
	1,569.24	502.51
2 Non-current liabilities		
(a) Long Term Borrowings	570.44	910.34
(b) Long Term Provisions	72.52	74.04
	642.96	984.38
3 Current liabilities		
(a) Short Term Borrowings	2,702.90	2,410.80
(b) Trade Payables	698.11	1,353.80
(c) Other Current Liabilities	868.46	313.84
(d) Short Term Provisions	22.26	34.78
	4,291.73	4,113.22
TOTAL	6,503.93	5,600.11
B ASSETS		
1 Non-Current Assets		
(a) Fixed assets		
i. Tangible assets	1,882.37	2,086.61
ii. Intangible assets	126.44	112.69
iii. Capital Work-in-Progress	63.69	67.34
iv. Intangible Assets Under Development	25.56	43.83
(b) Non-current investments	1,831.14	650.44
(c) Deferred tax assets (net)	0.69	0.69
(d) Long term loans and advances	144.84	256.15
(e) Other non-current assets	5.41	9.50
	4,080.14	3,227.25
2 Current assets		

(a) Current investments	0.77	0.77
(b) Inventories	668.84	1,012.51
(c) Trade receivables	987.65	796.59
(d) Cash and cash equivalents	273.75	191.34
(e) Short term loans and advances	323.25	352.50
(b) Other current assets	169.53	19.15
	2,423.79	2,372.86
TOTAL	6,503.93	5,600.11

Particulars	31 march 2014	31 March 2013
A EQUITY AND LIABILITIES		
1 Shareholder's funds		
(a)Share capital	267.40	234.40
(b) Reserves and Surplus	128.60	741.30
(c) Money Received Against Share Warrants	106.51	118.79
	502.51	1,094.49
2Non-current liabilities		
(a)Long Term Borrowings	910.34	1,082.41
(b) Other Long Term Liabilities	-	0.50
(c) Long Term Provisions	74.04	56.83
	984.38	1,139.74
3 Current liabilities		
(a) Short Term Borrowings	2,410.80	1,394.65
(b) Trade Payables	1,353.80	1,459.16
(c) Other Current Liabilities	313.84	277.47
(d) Short Term Provisions	34.78	36.00
	4,113.22	3,167.28
TOTAL	5,600.11	5,401.51
B ASSETS		
1 Non-Current Assets		
(a) Fixed assets		
i. Tangible assets	2,086.61	1,940.96
ii. Intangible assets	112.69	110.00
iii. Capital Work-in-Progress	67.34	160.58
iv. Intangible Assets Under Development	43.83	54.55
(b) Non-current investments	650.44	545.70
(c) Deferred tax assets (net)	0.69	0.69
(d) Long term loans and advances	256.15	341.42
(e)Other non-current assets	9.50	57.25
	3,227.25	3,211.15

2 Current assets		
(a) Current investments	0.77	1.77
(b) Inventories	1,012.51	826.74
(c) Trade receivables	796.59	701.61
(d) Cash and cash equivalents	191.34	310.75
(e) Short term loans and advances	352.50	267.20
(f) Other current assets	19.15	82.29
	2,372.86	2,190.36
TOTAL	5600.11	5,401.51

Particulars	31 March 2013	31 March 2012
A EQUITY AND LIABILITIES		
1 Shareholder's funds		
(a) share capital	234.40	213.40
(b) Reserves and Surplus	741.30	1,053.73
(c) Money Received Against Share Warrants	118.79	-
	1,094.49	1,267.13
2 Non-current liabilities		
(a) Long Term Borrowings	1,082.41	622.65
(b) Deferred Tax Liabilities (Net)	-	82.41
(c) Other Long Term Liabilities	0.50	-
(d) Long Term Provisions	56.83	40.19
	1,139.74	745.25
3 Current liabilities		
(a) Short Term Borrowings	1,394.65	980.87
(b) Trade Payables	1,459.16	1,225.74
(c) Other Current Liabilities	277.42	716.01
(d) Short Term Provisions	36.00	29.17
	3,167.23	2,951.79
TOTAL	5,401.46	4,964.17
B ASSETS		
1 Non-Current Assets		
(a) Fixed assets		
i. Tangible assets	1,940.96	1,986.09
ii. Intangible assets	110.00	76.79
iii. Capital Work-in-Progress	160.58	93.13
iv. Intangible Assets Under Development	54.55	82.55
(b) Non-current investments	545.70	388.14
(c) Deferred tax assets (net)	0.69	-
(d) Long term loans and advances	341.42	162.98
(e) Other non-current assets	57.25	33.24

	3,211.15	2,822.92
2 Current assets		
(a) Current investments	1.77	2.77
(b) Inventories	826.74	631.08
(c) Trade receivables	701.61	824.80
(d) Cash and cash equivalents	310.70	157.67
(e) Short term loans and advances	267.20	421.15
(f) Other current assets	82.29	103.78
	2,190.31	2,141.25
TOTAL	5,401.46	4,964.17

Particulars	31 March 2017	31 March 2016
1. Revenue from operations	3,922.13	4,086.71
2. Other income	200.94	155.53
3. Total Income	4,123.07	4,242.24
4. Expenses		
(a) Cost of material consumed	1,953.65	1,529.31
(b) Purchases of stock in trade	316.18	541.47
(c) Changes in inventories of finished goods, stock-in-trade and work-in-progress	(91.23)	117.24
(d) Excise duty on sale of goods	138.18	140.82
(e) Employee benefits expense	422.32	388.40
(f) Finance costs	83.60	164.42
(g) Depreciation and amortization expense	251.68	241.80
(h) Other expenses	1,048.81	1,014.22
tal expenses	4,123.19	4,137.68
5. Profit/(Loss) before tax(3-4)	(0.12)	104.56
6. Tax expenses		
(a) Current tax	-	-
(b) Deferred tax	-	0.69
	-	0.69
7. Profit /(Loss) for the year(5-6)	(0.12)	103.87
8. Other comprehensive income		
(a) Re-measurements of the defined benefits plans	0.70	6.95
(b) Fair value gain / (loss) from investment in equity	33.91	1,520.87
instruments		
Total other comprehensive income	34.61	1,527.82
9. Total comprehensive income for the year(7+8)	34.49	1,631.69
Earnings per equity share:		
1) Basic (in Rs)	(0.00)	0.50
2) Diluted (in Rs)	(0.00)	0.49

Particulars	31 March 2016	31 March 2015
A CONTINUING OPERATIONS		
1 Revenue from operations (gross)	4,108.56	4,027.36
Less: Excise duty	140.82	185.00
Revenue from operations (net)	3,967.74	3,842.36
2 Other income	115.77	35.56
3TOTAL REVENUE(1+2)	4,083.51	3,877.92
4 Expenses		
(a) Cost of material consumed	1,551.16	1,704.71
(b) Purchases of stock in trade	541.47	136.86
(c) Changes in inventories of finished goods and work-in- progress& intermediates	117.24	90.32
(d) Employee benefits expense	381.95	398.46
(e) Finance costs	164.42	433.70
(f) Depreciation and amortization expense	242.89	249.44
(g) Other expenses	1,007.47	971.78
TOTAL EXPENSES	4,006.60	3,985.27
5 Profit/(Loss) before exceptional items and tax(3-4)	76.91	(107.35)
6 Exceptional items Profit / (loss)	(5.40)	(238.94)
7 Profit / (Loss) before tax (5-6)	71.51	(346.29)
8 Tax expenses		
(a) Current tax expense of earlier years	-	16.98
(b) Deferred tax charge / (credit)	0.69	-
	0.69	16.98
9 Profit /(Loss) from continuing operations(7-8)	70.82	(363.27)
B DISCOUNTING OPERATIONS		
10 Profit / (Loss) from discontinuing operations (before tax)	-	7.41
11 Less: Tax expenses of discontinuing operations	-	-
12 Gain on disposal of assets/settlement of liabilities attributable	-	768.93
to the discontinuing operations		
13 Less: Tax expense relating to gain	-	-

14 Profit / (Loss) from discontinuing operations after tax	-	776.34
C TOTAL OPERATIONS		
15 Profit / Loss for the year (9+14)	70.82	413.07
16 Earnings per share(of Rs 2 each):		
A) Basic EPS		
(a) Continuing operations	0.34	(2.54)
(b) Total operations	0.34	2.89
B) Diluted EPS		
(a) Continuing operations	0.33	(2.54)
(b) Total operations	0.33	2.44

Particulars	31 March 2015	31 March 2014
A CONTINUING OPERATIONS		
1 Revenue from operations (gross)	4,027.36	3,598.01
Less: Excise duty	185.00	188.46
Revenue from operations (net)	3,842.36	3,409.55
2 Other income	35.56	52.18
3TOTAL REVENUE(1+2)	3,877.92	3,461.73
4 Expenses		
(a) Cost of material consumed	1,704.71	1,915.44
(b) Purchases of stock in trade	136.86	53.75
(c) Changes in inventories of finished goods and work-in- progress & intermediates	90.32	(82.42)
(d) Employee benefits expense	398.46	335.48
(e) Finance costs	433.70	305.09
(f) Depreciation and amortization expense	249.44	231.84
(g) Other expenses	971.78	1,230.93
TOTAL EXPENSES	3,985.27	3,990.11
5 Loss before exceptional items and tax(3-4)	(107.35)	(528.38)
6 Exceptional items Profit / (loss)	(238.94)	(610.77)
7 Loss before tax (5-6)	(346.29)	(1,139.15)
8 Tax expenses		
(a) Current tax expense of earlier years	16.98	-
(b) Deferred tax charge / (credit)	-	-
	16.98	-
9 Loss from continuing operations(7-8)	(363.27)	(1,139.15)
B DISCOUNTING OPERATIONS		
10 Profit / (Loss) from discontinuing operations (before tax)	7.41	(5.01)
11 Less: Tax expenses of discontinuing operations	-	-
12 Gain on disposal of assets/settlement of liabilities attributable	768.93	-
to the discontinuing operations		
13 Less: Tax expense relating to gain	-	-

14 Profit / (Loss) from discontinuing operations after tax	776.34	(5.01)
C TOTAL OPERATIONS		
15 Profit / Loss for the year (9+14)	413.07	(1,144.16)
16 Earnings per share(of Rs 10 each):		
A) Basic EPS		
(a) Continuing operations	(12.69)	(44.09)
(b) Total operations	14.44	(44.28)
B) Diluted EPS		
(a) Continuing operations	(12.69)	(44.09)
(b) Total operations	12.22	(44.28)

	Particulars	31 March 2014	31 March 2013
A C	CONTINUING OPERATIONS		
1 R	Revenue from operations (gross)	3,598.01	2,459.04
L	ess: Excise duty	188.46	101.31
R	Revenue from operations (net)	3,409.55	2,357.73
2 (Other income	52.18	23.63
3TC	OTAL REVENUE(1+2)	3,461.73	2,381.36
4 E	Expenses		
	(a) Cost of material consumed	1915.44	1,336.06
	(b) Purchases of stock in trade	53.75	59.65
	(c) Changes in inventories of finished goods and work-in- progress& intermediates	(82.42)	(71.08)
	(d) Employee benefits expense	335.48	290.96
	(e) Finance costs	305.09	246.44
	(f) Depreciation and amortization expense	231.84	230.04
	(g) Other expenses	1,230.93	922.95
TO	TAL EXPENSES	3,990.11	3,015.02
5 P	Profit/(Loss) before exceptional items and tax(3-4)	(528.38)	(633.66)
	Exceptional items	610.77	-
	Profit / (Loss) before tax (5-6)	(1,139.15)	(633.66)
	Cax expense:		`
	(a) Current tax expense	-	-
((b) Deferred tax charge / (credit)	-	(83.10)
		-	(83.10)
9 P	Profit /(Loss) from continuing operations(7-8)	(1,139.15)	(550.56)
В В	DISCOUNTING OPERATIONS		
10 1	Profit / (Loss) from discontinuing operations (before tax)	(5.01)	5.55
11 7	Tax expense of discontinuing operations:		
((a) Current tax expense	-	-
((b) Deferred tax charge / (credit)	-	-
		-	-

12 Profit / (Loss) from discontinuing operations (10-11)	(5.01)	5.55
C TOTAL OPERATIONS		
13 Profit / (Loss) for the year (9+12)	(1,144.16)	(545.01)
14 Earnings per share (of Rs 10 each):		
Basic and Diluted		
(a) Continuing operations	(44.09)	(24.26)
(b) Total operations	(44.28)	(24.01)

Particulars	31 March 2013	31 March 2012
1 Revenue from operations (gross)	3,291.16	3,450.84
Less: Excise duty	150.66	126.54
Revenue from operations (net)	3,140.50	3,324.30
2 Other income	24.90	113.27
3 Total revenue (1+2)	3,165.40	3,437.57
4 Expenses		
(a) Cost of material consumed	1,790.60	1,807.48
(b) Purchases of stock in trade	99.42	85.13
(c) Changes in inventories of finished goods and work-in-	(129.14)	6.12
progress& intermediates		
(d) Employee benefits expense	354.84	254.37
(e) Finance costs	320.45	282.65
(f) Depreciation and amortization expense	267.43	210.28
(g) Other expenses	1,089.91	816.50
Total expenses	3,793.51	3,462.53
5 Profit/(Loss) before tax(3-4)	(628.11)	(24.96)
6 Tax expenses:		
(a) Current tax expense	-	0.86
(b) Deferred tax charge / (credit)	(83.10)	(40.50)
	(83.10)	(39.64)
7 Profit /(Loss) for the year(5-6)	(545.01)	14.68
8 Earnings per share (of Rs.10 each):		
Basic and Diluted	(24.01)	0.67