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Index

Sr. No.	Title	Author	Subject	Page. No.
1.	Forensic Accounting: A Tool of Detecting White Collar Crimes in Corporate World	Santanu Kumar Das	Accounting	1-3
2.	Relevance of Customer Satisfaction in Banking Industry	Smila S. Shetty	Commerce	4-7
3.	A Study On Employees Performance And Welfare Facilities In Kolhapur Municipal Transport Corporation With Special Reference To Kolhapur District	Dr.H.M.Thakar, Urmila Kisan Dubal.	Commerce	8-10
4.	Human Resource Management Job Analysis And Job Evaluation	Kalola Rimaben A., Chauhan Lalit R.	Commerce	11-13
5.	Public Private Partnership: A Emerging Concept For Global Business & Economy	Dr.S.Sudalaimuthu, R.Hariharan	Commerce	14-17
6.	Working Capital Analysis in Sugar Mills – A Comparative Study	Promila	Commerce	18-19
7.	Youth Perception Towards Online Shopping In Mumbai	Sandeep Rajendra Sahu, Shreekumar Menon	Commerce	20-24
8.	Growth Drivers and Challenges of the Indian Media and Entertainment Industry	Dr Mahalaxmi Krishnan	Commerce	25-26
9.	Role of Banks in Financial Inclusion–Issues & Challenges	Ajay K. Shah	Commerce	27-29
10.	The Role of Public Private Partnership Health Sector in India	Dr. Pawar Ashok S., Tidke Atish S., Ambhore Vijay D.	Economics	30-32
11.	American Depression And India Economy	Dr. Ashok S Pawar, Dr. Sunita J. Rathod	Economics	33-35
12.	A Study on consumer Act and Welfare in India	Dr.Pawar Ashok S., Dr.Ambhore Shankar B, TIDKE Atish S	Economics	36-38
13.	An Experimental Study of Effectiveness of Computer Assisted Instructions on the Achievement and Self-Concept of Elementary Teacher Trainees	Afa-Dul Mujiaba	Education	39-41
14.	Socio Linguistic Economic and Cultural Factors Affecting L2 Acquisition in the Students of Professional Courses in Andhra Pradesh – A Study	Dr. K. Madhavi	Education	42-43
15.	A Study Of The Factors Improving Enrollment In Extension Education Program	Kunal D. Jadhav	Education	44-46
16.	Advancements in Higher Education:	Vasim Kaji	Education	47-49



Working Capital Analysis in Sugar Mills A Comparative Study

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Keywords : Working Capital, Commerce

Working Capital is the amount of money that a Company has tied up in funding its day to day operations.

The most common definitions of Working Capital are:

Working Capital = Current Assets - Current Liabilities

Working Capital = Stocks + Trade Debtors - Trade Creditors

Working Capital Analysis: - Decision relating to working capital and short term financing are referred as working capital analysis. This involves managing the relationship between a firm's short term assets and its short term liabilities. The goal of working capital analysis and management is to ensure that the firm is able to continue its operations and that it has sufficient cash flow to satisfy both maturing short term debt and upcoming operational expenses.

Objectives of working Capital Analysis

- 1) Time:- Working Capital Analysis requires much of the financial manager's time.
- 2) Investment:- Working Capital represents a large portion of the total investment in assets.
- 3) Criticality:- Working Capital analysis has great significance for all firms but it is very critical for small firms.
- 4) Growth:- The need for working Capital is directly related to the firm's growth.

"Working Capital analysis has looked upon as the driving seat of a financial manager."

Research Methodology

The proposed study is an empirical and analysis in approach and instrumental prospective. Primary and Secondary data relating to Working Capital Analysis in the selected sugar mills have been collected from the office of the companies. The questionnaire is designed to collect primary data, personal interview is held to obtain technical information and where clarification required. The secondary data have been collected from the published annual reports and accounts of the companies and various other publications of the industry.

Scope of the Study

In the present study following sugar mills of Haryana have been taken

1. Sarswati Industrial Syndicate Limited, Yamuna Nagar (SISL)
2. Kaithal Cooperative Sugar Mills Limited, Kaithal (KCSML)

Size of Working Capital:- The size of working capital has been shown in Table 1

Table 1 : Size of working capital of SISL and KCSML
From 2003-04 to 2009-10

Year	SISL	KCSML
2003-04	9225	6178
2004-05	7333	4914
2005-06	4891	3988
2006-07	12762	2207
2007-08	21517	4770
2008-09	15045	4970
2009-10	7795	3436
Average	11224.00	4351.86
S.D.	5263.24	1181.97
CVC%	46.89%	27.16%

Source: Calculated from Annual Reports and Accounts of SISL and KCSML for the period from 2003-04 to 2009-10.

It is evident from the above table that the size of working capital in SISL registered a mixed fluctuating trend throughout the period under study. In 2003-04 it was Rs. 9225 lakhs which decreased to Rs. 7333 lakhs in 2004-05 and further came down to Rs. 4891 lakhs (lowest). After that size of working capital decreased to Rs. 15045 lakhs in 2008-09 and declined up to Rs. 7795 lakhs in the final year 2009-10.

For KCSML the size of working capital also showed a fluctuating throughout the period under study. In 2003-04, it was Rs. 6178 lakhs which decreased to Rs. 4914 lakhs in 2004-05 finally; size of working capital decreased to Rs. 3436 lakhs in the year 2009-10.

Current Ratio:- The Current Ratio shows the relationship between current assets and Current Liabilities and explains the proportion of current assets to current Liabilities ratio of the sugar mills under the study has been calculated by using the following formula.

$$\text{Current Ratio} = \frac{\text{Current Assets}}{\text{Current Liabilities}}$$

Table 2 : Current Ratio of SISL and KCSML

Year	SISL	KCSML
2003-04	1.83	4.46
2004-05	1.34	7.61
2005-06	1.12	4.04
2006-07	1.26	2.41
2007-08	1.31	4.19
2008-09	1.23	11.55
2009-10	1.08	8.11
Average	1.31	6.05
S.D.	0.23	2.93
C.V.%	17.53%	48.45%

Source: Annual Reports and Account of SISL and KCSML Sugar Mills for the period of 2003-04 to 2009-10.

It is evident from the above table the current ratio of SISL registered a mixed fluctuating trend throughout the period under study. In 2003-04, it was 1.83 times (highest) which decreased to 1.34 times to 1.12 times in 2005-06. After that the current ratio decreased to 1.23 times in 2008-09 and further declined up to 1.08 times (lowest) in the final year 2009-10.

For KCSML, the current ratio of KCSML showed a fluctuating trend throughout the period under study. In 2005-06 and it is rapidly reached up to 11.55 times (highest) in 2008-09. Finally, the ratio decreased to 8.11 times in the year 2009-10.

Working Capital Turnover Ratio

The working capital turnover Ratio shows the relationship between sales and working capital and explains the proportion of sales to working capital. The sale to working capital ratio of the sugar mills under study has been calculated by using the following formula.

$$\text{Working capital Turnover Ratio} = \frac{\text{Sales}}{\text{Working capital}}$$

Table 3: Working capital Turnover Ratio of SISL and KCSML From 2003-04 to 2009-10

Year	SISL	KCSML
2003-04	3.08	0.64
2004-05	5.52	1.59
2005-06	17.9	1.47
2006-07	8.90	2.75
2007-08	5.99	0.80
2008-09	11.30	1.57
2009-10	22.43	1.92
Average	10.73	1.53
S.D.	6.55	0.65
C.V.%	61.01%	42.48%

Source: Annual Reports and Accounts of SISL and KCSML for the period from 2003-04 to 2009-10.

It is evident from the table that working capital turnover ratio in SISL registered a mixed fluctuating trend throughout the period under study. In 2003-04, it was 3.18 times (lowest) which increased to 5.52 times in 2004-05 and reached up to 17.90 times in 2005-06. After that, the ratio decreased to 8.90 times in 2006-07 and further come down to 5.99 times in 2007-08. In the next year 2008-09, it increased to 11.30 times and rose up to 22.43 times in the final year 2009-10.

For KCSML, the working capital turnover ratio of KCSML showed a fluctuating trend throughout the period under study. In 2003-04, it was 0.64 times which increased to 1.59 times in 2004-05 but decreased to 1.47 times in 2005-06 but inclined up to 2.75 times (highest) in 2006-07. Then it decreased to 0.80 times in 2007-08 but rapidly reached up to 1.57 times in 2008-09 and finally, reached up to 1.92 times in the year 2009-10.

of SISL

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Working capital turnover ratio of SISL registered a mixed fluctuating trend throughout the period under study. In 2003-04, it was 3.18 times (lowest) which increased to 5.52 times in 2004-05 and reached up to 17.90 times in 2005-06. After that, the ratio decreased to 8.90 times in 2006-07 and further come down to 5.99 times in 2007-08. In the next year 2008-09, it increased to 11.30 times and rose up to 22.43 times in the final year 2009-10.

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KCSML

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