# A COMPARATIVE STUDY OF CASH MANAGEMENT IN NEPALESE EXPORT INDUSTRIES

(A CASE STUDY OF CARPET INDUSTRIES)

# **A THESIS**

# **Submitted by:**

BIKASH GAJUREL Campus Roll No: 354/059 T.U. Regd. No.: 5-1-37-10-96 Exam Roll No.: 1050/61 Nepal Commerce Campus

### **Submitted to:**

Office of The Dean Faculty of Management Tribhuvan University

In Partial Fulfillment of the Requirements for the Master's Degree in Business Studies (M.B.S)

New Baneshwor, Kathmandu September, 2008

# RECOMMENDATION

This is to certify that the Thesis

# Submitted by: **Bikash Gajurel**

### Entitled

"A Study of Cash Management In Nepalese Export Industries" (A Case Study of Carpet Industries)

has been prepared as approved by this department in the prescribed format of Faculty of Management. This thesis is forwarded for examination.

( <b>Dr.Bihari Binod Pol</b> Head of Depart	ŕ	(Rima	Devi Shrestha Thesis Supervisor
	( <b>Diwakar</b> l Campus	•	

# **VIVA- VOCE SHEET**

We have conducted the viva voce examination of the thesis presented by:

# Bikash Gajurel

### Entitled

# "A Study of Cash Management In Nepalese Export Industries" (A Case Study of Carpet Industries)

and found the thesis to be the original work of the student and written according to the prescribed format. We recommend the thesis to be accepted as partial fulfillment of the requirements for Master's Degree in Business Studies (MBS)

# Viva - voce Committee Chairperson, Research Committee: \_\_\_\_\_\_ Member (Thesis Supervisor): \_\_\_\_\_\_ Member (External Expert): \_\_\_\_\_\_ Date: \_\_\_\_\_

# **DECLARATION**

I hereby declare that this thesis entitled "A Study of cash management in Nepalese Export industries"(A case study of carpet Industries) submitted to Research Department of Nepal Commerce Campus, Faculty of Management, Tribhuvan University, is my original work as partial fulfillment of the requirement of the degree of Master of Business Studies (M.B.S), this is prepared under the supervision of Rima Devi Shrestha, Reader Nepal Commerce Campus.

> Bikash Gajurel Researcher

T.U. Reg: 5-1-37-10-96

## **ACKNOWLEDGEMENTS**

The present study "A comparative study of cash management in Nepalese Export industries", (A case study of carpet industries) has been prepared for the partial fulfillment of the requirement for Master Degree in Business Studies .Export companies are independent legal entity which export goods or services of national identification to the rest of the world. The majority of Nepalese Export enterprises are suffering from poor performance. So,' cash management' is the most and important approach of today's management system which can considerably contribute to improve performance and to achieve goal of an entity.

Export companies has played very important role for the development of Nepalese market in the rest of the world. It has been providing market to the mainly handicraft products and Nepalese art and culture, some of them are below the cost of production. Export companies has dual responsibility i.e. providing international market and to maintain Nepalese art and culture, making reasonable profit. So, Export companies are selected for this research for viewing present planning premises, existing strength and weakness and possible threats and opportunities within the limitation of the research topic as well as the time and resources availed to me . With best wishing the companies will progress and contribute for the Nepalese market of Nepalese products in the future in a more efficient manner.

Firstly, I would like to express my in-depth gratitude to Dr. Bihari Binod Pokharel, Head of Research Department of Nepal Commerce Campus, for providing me chance to carry-out this research study .I am extremely grateful to my respected teacher and my advisors of this dissertation Rima Devi Shrestha without whose proper guidance and excellence supervision this research report would not have been presented in this form.

I would like to express hearty thanks towards all the members of my family who provided regular inspiration and continuous contribution for my success .More specifically, my sincere thanks goes to my dear father Shree Dhar Gajurel for his constant encouragement and appreciative understanding without which it would not have been possible for me to complete it in this form. I would like to express my heartly thanks towards; Sanjiv Parajuli, Om bakhati, Ramesh Rashik Paudel, Saroj thakuri, Pusker pokharel, for advising me in my whole research work. I would like to thanks Dhurba Sir, Umesh karki and Bigyan gajurel for their proper help in typings, designing and printing this dissertation. I would like to thanks all the staffs of sample companies and

more specially; Atma ram chapagain, Shyam chapagain, Partners and proprietos are the persons to whom I would always be greatful for their valuable suggestions, sincere cooperation and for providing various information for the study.

BIKASH GAJUREL

# TABLE OF CONTENTS

VIV REC DEC ACT TAL LIS LIS	ntents:- VA VOCE SHEET COMMENDATION CLARATION KNOWLEDGEMENTS BLE OF CONTENTS T OF TABLES T OF FIGURES BREVIATIONS e	Page. No
	CHAPTER-I	
INT	CRODUCTION	1-12
1.1	Background of the Study	1
	1.1.1 History of Carpet in Nepal	1
	1.1.2 Export Enterprises in Nepal	2
	1.1.2 Role and objective of carpet Export in Nepalese Economic	3
	1.1.3 Insight into Nepalese Export Enterprises	3
	1.1.4 Promises and Challenges	5
	1.1.5 The Aim and Objectives of Carpet Industries	6
	1.1.6 Types of Carpet	6
1.2	Statement of the Problems	8
1.3	Objectives of the Study	10
1.4	Scope and Limitation of the Study	10
1.5	Organization of the Study	11
	CHAPTER-II	
RE	VIEW OF LITERATURE	13-28
2.1	Conceptual Framework	13
	2.1.1 Meaning of Cash Management	13
	2.1.2 Function of Cash Management	14
	2.1.3 Objective of Cash Management	14
	2.1.4 Efficiency of Cash Management	15
	2.1.5 Different Techniques of Cash Management	17
	2.1.6 Determine the Optimum Cash Balances	18
	2.1.6.1 Optimum Cash balance under Certainty;	

Baumol's Model	19
2.1.6.2 Optimum cash balance under Uncertainty;	
The Miller-Orr Model	21
2.1.7 Motives for holding Cash	21
2.2 Significance of the Study	22
2.2.1 Review of Books	23
2.2.2 Review of the Nepal Carpet Directory	24
2.2.3 Review of Thesis/Dissertation	25
CHAPTER-III	
RESEARCH METHODOLOGY	29-38
3.1 Introduction	29
3.2 Research Design	29
3.3 Data collection procedure	29
3.3.1 The Population and Sample	30
3.3.2 Nature and Source of Data	30
3.4 Financial and Statistical Tools for Analysis of Data	30
3.4.1 Financial Tools for Analysis of Data	30
3.4.2 Statistical Tools for Analysis of Data	34
CHAPTER-IV	
DATA PRESENTATION AND ANALYSIS	39-85
4.1 Analysis of the data by Financial Tools	39
4.1.1 Analysis of Cash and Bank balance	39
4.1.2 Analysis of Cash Turnover Ratio	40
4.1.3 Analysis of Current Ratio	41
4.1.4 Analysis of Quick Ratio	43
4.1.5 Analysis of Receivables Turnover Ratio	44
4.1.6 Analysis of Inventory Turnover Ratio	45
4.1.7 Analysis of Cash and Bank balance to account receivable	ole 45
4.1.8 Analysis of Cash and Bank balance to Current Assets	47
4.1.9 Analysis of Cash and Bank balance to Current Liabiliti	es 48
4.1.10 Analysis of Net Profit Margin Ratio	50
4.1.11 Analysis of Return on Working Capital	51

	4.1.12 Analysis of Net Profit After Tax to Quick Assets	52
	4.1.13 Analysis of Cash Conversion Cycle	52
4.2	Analysis of the data by Statistical Tools	54
	4.2.1 Analysis of dispersion in Cash and Bank balance	54
	4.2.2 Fitting the straight line trend by Least Square Method for	
	Variations in Cash and Bank balance	56
	4.2.3 (A) Analysis of Karl Pearson's Coefficient of Correlation	57
	Between Sales and Cash balance	
	4.2.3 (B) Regression Analysis 4.2.4 (A) Analysis of Karl Pearson's Coefficient of Correlation	60
	between Account Receivables and Cash Balance	61
	4.2.4 (B) Regression Analysis	64
	4.2.5 Analysis of Karl Pearson's Coefficient of Correlation	
	between Current Assets and Cash Balance	65
	4.2.6 Analysis of Karl Pearson's Coefficient of Correlation	
	between Current Liabilities and Cash balance	67
	4.2.7 Analysis of Karl Pearson's Coefficient of Correlation	
	between Net Profit After Tax and Cash balance	70
4.3	Analysis of Cash Flow Statement	72
	4.3.1 Analysis of Operating Activities	73
	4.3.2 Analysis of Investing Activities	74
	4.3.3 Analysis of Financing Activities	75
4.4	Analysis of Cash Budgeting practice of Carpet Exporter	
	4.4.1 Analysis of approved Current Asset Investment Budget	76
4.5	Analysis of primary information collected through Questionnaire	78
4.6	Summary of Major Findings	81
	4.6.1 Overall Cash Management	81
	4.6.2 Liquidity Position	83
	4.6.3 Cash Flow Statement	84
	4.6.4 Cash Budgeting Practice	84
	4.6.5 Issues and Constraints	85

# **CHAPTER-V**

SUMMARY, CONCLUSION AND RECOMMENDATIONS		86-91
5.1	Summary	86
5.2	Conclusion	86
5.3	Recommendations	87

Bibliography Appendix

# **LIST OF TABLES**

Title		Page. No
1.	Carpet Export from Nepal	4
2.	Carpet importing Top Ten Country	4
3.	Analysis of Cash and Bank balance	39
4.	Analysis of Cash Turnover Ratio	40
5.	Analysis of Current Ratio	42
6.	Analysis of Quick Ratio	43
7.	Analysis of Receivables Turnover Ratio	44
8.	Analysis of Inventory Turnover Ratio	45
9.	Analysis of Cash and Bank balance to Account Receivables	46
10.	Analysis of Cash and Bank balance to Current Assets	47
11.	Analysis of Cash and Bank balance to Current Liabilities	49
12.	Analysis of Net Profit Margin Ratio	50
13.	Analysis of Return on Working Capital	51
14.	Analysis of Net Profit After Tax to Quick Assets	52
15.	Analysis of Dispersion in Cash and Bank balance	54
16.	Fitting the Straight Line Trend by Least Square Method for	
	Variations in Cash balance	56
16.	Analysis of Karl Pearson's Coefficient of Correlation	
	between Sales and Cash balance	58
17.	Analysis of Karl Pearson's Coefficient of Correlation	
	between Account Receivables and Cash balance	62
18.	Analysis of Karl Pearson's Coefficient of Correlation	
	between Current Assets and Cash balance	65
19.	Analysis of Karl Pearson's Coefficient of Correlation	
	between Current Liabilities and Cash balance	68
20.	Analysis of Karl Pearson's Coefficient of Correlation	
	between Net Profit After Tax and Cash balance	70
21.	Cash Flow Statement	73-75
22.	Analysis of Respondent Answer	79

# **LIST OF FIGURES**

Title		Page. No
1.	Determination of Optimum Cash balance	19
2.	Optimum Cash balance Under Certainty	20
3.	Optimum Cash balance under Uncertainty	21
4.	Cash and Bank balance	40
5.	Cash Turnover Ratio	41
6.	Cash and Bank balance to Account Receivables	47
7.	Cash and Bank balance to Current Assets	48
8.	Cash and Bank balance to Current Liabilities	50
	List of Annex	
Title		No
1.	Balance Sheet	1
2.	Cash Flow Statement	2
3.	Questioners	3
4.	Profit and Loss account	4
5.	Calculation of Payable Deferral Period	5

# LIST OF ABBREVIATIONS

B Market Value of Debt BEP Break Even Point BVPS Book Value per Share D/P Dividend Payout Ratio

DFL Degree of Financial Leverage

DE Debt Equity

DPS Dividend per Share EAT Earning Per Share

FY Fiscal Year
I Interest Rate
Kd Cost of Debt
Ke Cost of equity

Km Required Rate of ReturnKo Overall Cost of Capital

LTD Long Term Debt
L-U Levered to Unlevered
MM Modiglani- Miller
MPS Market Price per Share

NI Net Income

NOI Net Operating Income Approach

P.E Probable Error

Po Current Market Price
R Correlation Co-efficient
RF Risk Free Rate of Return

ROA Return on Assets ROE Return on Equity

S Market Value of Equity

T Tax Rate
TD Total Debt

TU Tribhuvan University

V Value of Firm

WACC Weighted Average Cost of Capital