Dissertation Report

On Warehouse management

Submitted by: Name: MD. Tariqul Islam

ID: MSCM2003021002

Program: Masters of Supply chain management

Semester: Current Fall-21

Submitted to: Department of Business Administration

Sonargaon University

Submitted for the partial fulfillment of the degree of Master of Supply chain management

Sonargaon University (SU)

Dhaka- 1215

Date of Submission: January 13, 2022

Dissertation Report

On Warehouse management

Prepared by: MD Tariqul Islam

ID: MSCM2003021002

Prepared for:

Amir Husen

Assistant Professor

Department of Business Administration

Submitted for the partial fulfillment of the degree of

Master of Supply Chain Management



Sonargaon University (SU)

Dhaka- 1215

Date of Submission: January 13, 2022

Letter of Transmittal

January 13, 2022

Amir Husen

Assistant Professor

Department of Business Administration

Sonargaon University (SU)

Subject: Submission of Dissertation report.

Dear Sir,

With humble honor and respect, I am submitting my internship report on warehouse management. As per partial accomplishment of the requirements for the MSCM degree, this Dissertation has been carried out under the supervision of you.

This report is an integral part of our academic courses in completion of the MSCM program which has given me the opportunity to have an insight into the warehouse management. I hope this report reflects on the contemporary issues on that the being practiced by organizations in our country.

In completing the report, I tried my best to blend all my knowledge and imparted every available detail and also attempted to avoid unnecessary amplification of the report.

I humbly request you to accept this report for your kind evaluation.

Sincerely,

MD.Tariqu Islam

ID: MSCM2003021002

Department of Business Administration

Sonargaon University (SU)

Letter of Authorization

Certified that this report titled “Warehouse management” is the bona fide work of MD. Tariqul Islam, who carried out the research under my supervision. Certified further that to the best of my knowledge, the work reported herein does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

……

Amir Husen

Assistant Professor

Department of Business Administration

Sonargaon University (SU)

Executive Summery

The core objective of the internship is to fulfill the requirement of the MSCM program as prescribed by the SU. I have been working as a warehouse management professional in Nahee group of Industries Ltd. The main objective of the dissertation is to get the hands-on experience of the real world organization. The Dissertation was complete with the objective of getting practical knowledge in warehouse management of supply chain department of Nahee Group of Industries Ltd. Warehouse management in is the major act of my work responsibilities.

A warehouse management system (WMS) is an information system that supports warehouse stock management and administration. It is used to increase warehouse performance by supporting systematic management processes. Due to the higher degree of automation in the warehouse, manual administrative tasks are reduced, which reduces the chances of human error and correct inventory level. In the case of warehouse management, I think it is important to first find out what the problems are and then plan for the steps to be taken to solve them.

Such as: - 1. Raw materials should be kept in the right place and chemicals should be stored in the right place separately so that there is no threat to the warehouse.

2. The inventory level needs to be properly updated on a daily basis.

3. Goods are often stored in warehouses, making it difficult to find raw materials. This can often lead to the expiration of chemicals or some raw materials and can lead to breakage or damage under pressure which must be kept free of clutter.

The warehouse management system can be improved if the warehouse management system is managed by incorporating it with a barcode system. In this way a lot of convection process can be done systematically. There is an importance of stakeholders in the management of this warehouse which is researched by the factory managers and all the departments of the company. I think there should be adequate research in warehouse management so that problems in warehouse management can be easily found out and solved easily.

Another important aspect of warehouse management is providing leadership. Having a skilled warehouse manager or manager makes warehouse management easier and makes it easier for other employees to perform properly and make them more efficient which is a very important factor in warehouse management.

Definitions of terms

* **ERP Systems:** Abbreviation for enterprise resource planning. A software system used by companies to manage and integrate all important parts of their businesses. It can integrate for instance planning, sales, finance and inventorypurchase.

*** WMS:** Abbreviation for warehouse management system. It is a more specific software system in comparison with an ERP and is mainly focused on controlling and managing warehouse operations from the time materials enter the warehouse until they moveout

List of Acronyms

MSCM	Masters of supply chain management
ERP	Enterprise resource planning
WMS	Warehouse management system
RM	Raw materials
KPI	Key performance indicator
ACP	Aluminum composite panel
SS	Stainless steel
BPMN	Business process model and notation
AIDC	Automatic identification and data capture
QR	Quick response
RFID	Radio frequency identification
IT	Information of technology

Table of Contents

Cover page.....i-ii

Latter of Transmittal.....iii

Letter of Authorization.....iv

Executive summery.....v

Definitions of terms.....vi

List of Acronyms.....vii

Chapter-1

1. Introduction

1.1 Introduction.....01

1.2 Problem identification.....01-2

1.3 Core problem and problem cluster.....2-3

1.4 Norm and reality.....3-4

1.5 Stakeholder analysis.....4-5

1.6 Scope of the research.....5

1.7 Assessment of validity.....5-6

1.8 Research approach and deliverables.....6-7

Chapter-2

Company profile

2.1 About Nahee Group.....7

2.2 Management of Nahee Group.....7

2.3 Corporate office of Nahee Group.....8

Chapter-3

3. Theoretical framework

3.1 Supply chain management.....8

3.2 Warehouse Management Systems.....9

3.3 Leading in Warehouse.....9-10

3.4 Warehouse controlling.....10-11

3.5 Requirement selection method.....11

3.6 Business process modelling.....12-14

Chapter-4

4. Formulation of requirements of the warehouse management system

4.1 Literature study.....15

4.2 Possible functionalities of the system.....15-17

4.3 Automatic identification and data capture.....17-18

4.4 Evaluation of possible functionalities by management team..... 18-20

4.5 Results of interviews and formulation of requirements..... 20-21

Chapter-5

5. Analysis of current and new situation

5.1 Current situation.....22-24

5.2 Proposed new situation..... 25-28

5.3 Comparison of current and new situation..... 28-29

5.4 Conclusion..... 29-30

Chapter-6

6. Advice

6.1 System considerations..... 31-32

6.2 Management considerations..... 32-33

6.3 Restrictions and suggestions for further research..... 33

References..... 34-35

Appendix

Appendix A: Systematic literature review..... 36-38

Appendix B: Report on meetings with warehouse management system suppliers..... 39-41

Appendix C: Report on interviews..... 41-43

Appendix D: Overview of BPMN elements..... 44-46