

Date: 16-02-2019

### To whom so ever it may concern

This is to certify that Mr. Sagar S. (IAV17MBA46), a student of Acharya institute of Technology had been working on an internship project in our organisation between 03 - 01 - 2019 to 16 - 02 - 2019. The title of the project was "A study on Inventory Management System at ABB India Limited".

During the period of his internship program he is has abide by all the rules and regulations of the organisation. He showed a great enthusiasm in working on the project and we found him to be hardworking.

Wishing him best of luck and Thanking you

For ABB India Pvt Ltd.

Postal Address: Post Box 8660 Doha Ostar

Vising Address: Regency Business Tower Al Baladya St., behind Customs Building Area 18, St. No. 810 Doha, Qatar C.R. No.: Share Capital Telephone: Facsimile: Website: E-mail:

QAR 200, 000,00 + 974 44253888 + 974 44312830 www.abb.com infe@bas.abb.com (Affiliated to Visvesvaraya Technological University, Belagayi, Approved by AICTE, New Delhi and Accredited by NBA and NAAC)

Date: 04/04/2019

### **CERTIFICATE**

This is to certify that Mr. Sagar S bearing USN 1AY17MBA46 is a bonafide student of Master of Business Administration course of the Institute 2017-19 batch, affiliated to Visvesvaraya Technological University, Belgaum. Project report on "A Study on Inventory Management at ABB India Ltd, Bengaluru" is prepared by him under the guidance of Prof. Mallika B K, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration, Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

Head of the Departin Department of MBA Acharya Institute of Technolog devonabili, Bangalore-Fr.

Signature of Principal/Dean Academics

Dr. Devarajaiah R.M. Dean-Academics CHARYA INSTITUTE OF TECHNOLOGY Bengaluru-107.

**DECLARATION** 

I, SAGAR.S, hereby declare that the Project report entitled "A STUDY ON

INVENTORY MANAGEMENT AT ABB" with reference to ABB India

Limited prepared by me under the guidance of Prof. MALLIKA BK, faculty of

M.B.A Department, Acharya Institute Of Technology and external assistance by

B L UMASHANKAR HR Manager .I also declare that this Project work is

towards the partial fulfillment of the university Regulations for the award of

degree of Master of Business Administration by Visvesvaraya Technological

University, Belagavi. I have undergone a summer project for a period of Twelve

weeks. 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.

Place: Bangalore

Date 10/04/2019

ACKNOWLEDGEMENTS

I wish to express my sincere thanks to our respected Principal, **Dr. Prakash M R**, beloved

Dean-Academics, Dr. Devarajaiah R M, and deep sense of gratitude to Dr. M M Bagali,

HOD, Acharya Institute of Technology, Bangalore for their kind support and encouragement

in completion of the Project Report.

I would like to thank Prof. MALLIKA B K, Asst. Professor, Department of MBA, Acharya

Institute of Technology, Bangalore and external guide Mr. B L UMASHANKAR HR

Manager ABB India Limited, Company Name, Bangalore, who gave me golden opportunity

to do this wonderful Project in the esteemed organization, which helped me to learn various

concepts.

Finally, I express my sincere thanks to my Parents, Friends and all the Staff of MBA

department of AIT for their valuable suggestions in completing this Project Report.

Place: Bangalore

Date: 10/04/2019

Name:SAGAR.S

USN:1AY17MBA46

# TABLE OF CONTENTS

CHAPTER	CONTENTS	PAGE
NO.		NO.
	EXECUTIVE SUMMARY	1
1.	INTRODUCTION	1
	1.1 INTRODUCTION ABOUT THE PROJECT	2
	1.2 INDUSTRY PROFILE AND COMPANY PROFILE	2-3
	1.3 PROMOTERS	4-5
	1.4 VISION, MISSION AND QUALITY POLICY	5-6
	1.5 PRODUCTS / SERVICES PROFILE	6-7
	1.6 AREAS OF OPERATION	7
	1.7 INFRASTRUCTURE FACILITIES	8
	1.8 COMPETITORS INFORMATION	9
	1.9 SWOT ANALYSIS	11-12
	1.10 FUTURE GROWTH AND PROSPECTS	12
	1.11 FINANCIAL STATEMENT	12-17
2.	CONCEPTUAL BACKGROUND AND LITERATURE	18-32
	REVIEW	
	2.1THEORETICAL BACKGROUND OF THESTUDY	18-29
	2.2 LITERATURE REVIEW WITH RESEARCH GAP	29-32
3.	RESEARCH DESIGN	33-36
	3.1 STATEMENT OF THE PROBLEM	33

	3.2 NEED FOR THE STUDY	33	
	3.3 OBJECTIVES	33	
	3.4 SCOPE OF THE STUDY	34	
	3.5 RESEARCH METHODOLOGY	35	
	3.6 HYPOTHESES	35	
	3.7 LIMITATIONS	35-36	
4.	ANALYSIS ANDINTERPRETATION	37-76	
5.	FINDINGS, CONCLUSION AND SUGGESTIONS	77-79	
	BIBLIOGRAPHY	80-81	
	ANNEXURE	82-86	

# LIST OF TABLES

Table No.	Particulars	Page Nos.
4.1	Table showing data for inventory turnover 2015-2018	37
4.2	Table showing data for raw materials from 2015-2018	39
4.3	Table showing data for work in process turn over ratio from 2015-2018	41
4.4	Table showing data for finished goods turn over ratio from 2015-2018	43
4.5	Table showing data for comparison of turnover ratios from 2015-2018	45
4.6	Table showing data for the inventory holding period from 2015-2018	47
4.7	Table showing data for the raw material holding period for 2015-2018	49
4.8	Table showing data for the work in process holding period from 2015-2018	51
4.9	Table showing data for the finished goods holding period form 2015-2018	53
4.10	Table showing data for the inventory holding period from 2015-2018	55
4.11	Table showing data for the ABC analysis for 2015	56
4.12	Table showing data for the ABC analysis for 2016	57
4.13	Table showing data for ABC Analysis for 2017	58

4.14	Table showing data for ABC analysis for 2017	60
4.15	Table showing data for the EOQ for 2015	62
4.16	Table showing data for the EOQ for 2016	64
4.17	Table showing data for the EOQ for 2017	66
4.18	Table showing data for the EOQ analysis for 2015	68
4.19	Table showing data for the EOQ analysis for 2016	70
4.20	Table showing data for the EOQ analysis for 2017	73
4.21	Table showing data for the EOQ analysis for 2018	75

# LIST OF FIGURES AND CHARTS

Chart No.	Particulars	Page Nos.
4.1	Graph showing for the inventory turnover ratio.	38
4.2	Graph showing for the raw materials turnover ratio	40
4.3	Graph showing for the work in process turnover ratio	42
4.4	Graph showing for the finishid goods turnover ratio	44
4.5	Graph showing for the turnover ratios	46
4.6	Graph showing for the inventory holding period	48
4.7	Graph showing for the raw material holding period	50
4.8	Graph showing for the work in process holding period	52
4.9	Graph showing for the finished goods holding period	54
4.10	Graph showing for all the inventory holding periods	55
4.11	Graph showing for ABC analysis for 2015	56
4.12	Graph showing for the ABC analysis for 2016	58
4.13	Graph showing for the ABC analysis for the 2017	59
4.14	Graph showing for the ABC analysis for 2017	60
4.15	Graph showing data for the EOQ for 2015	63
4.16	Graph showing for the EOQ for 2016	65
4.17	Graph showing for the EOQ for 2017	67
4.18	Graph showing for the EOQ analysis for 2015	69
4.19	Graph showing for the EOQ analysis for 2016	72

4.20	Graph showing for the EOQ analysis for the 2017	74
4.21	Graph Showing for the EOQ analysis for 2018	76