

**INFLUENCE OF CORPORATE GOVERNANCE PRACTICES ON  
WORKING CAPITAL EFFICIENCY OF MANUFACTURING FIRMS IN  
NAIROBI COUNTY**

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## DECLARATION AND RECOMMENDATION

### Declaration

This research project is my original work and has not been presented for a degree in any other university.

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### Declaration

This research project has been submitted with our approval as University Supervisors.

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## **DEDICATION**

This research project is dedicated to my family and friends. Thank you for your support.

## **ACKNOWLEDGEMENT**

I thank the Almighty God for his grace and blessings. Sincere thanks to my supervisors for their guidance and advice. My gratitude also goes to my beloved family for the support and prayers. I appreciate their unwavering love, prayers and believe in my abilities. GOD bless you.

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## **ACRONYMS**

CEO      Chief Executive Officer

KCMA    Kenya Capital Markets Authority

OECD    Organization for Economic Cooperation and Development

KAM      Kenya Association of Manufacturers

WCM    Working Capital Management

## **DEFINITION OF TERMS**

|                               |   |
|-------------------------------|---|
| Accounts receivable period    | Length of time credit sales are converted to sales  |
| Accounts payable period       | Length of time firms take to pay their creditors  |
| Cash conversion cycle         | Length of time when cash is converted to raw materials, then to finished goods then to cash |
| Corporate governance practice | Process and procedures by which firms are controlled and directed                           |
| Inventory Conversion period   | Length of time finished goods are converted to cash   |
| Working capital               | Funds needed to carry the day to day operations of a firm                                   |
| Working capital Efficiency-   | Balance between short term funds and its short term liabilities                             |

## **ABSTRACT**

The main motivation of the study was to determine the influence of corporate governance practices on working capital efficiency of manufacturing firms in Nairobi County. The study used descriptive survey research design. The population of the study comprised of all five hundred and fifty four manufacturing firms registered in trade and Industries Ministry of the Nairobi County. The sample size was one hundred and eleven firms. The study used questionnaires, interview guide and documentary analysis as the data collection instruments. The statistical package for social science (SPSS) was used to analyses the data. Correlation analysis was used to test the relationship between the variables. The Corporate Governance practices were measured by Board Structures, internal Audit and shareholders' Interest. The results of the study indicated that 87.2% of the variations in the working capital efficiency are related to Board structures, internal audit and the Shareholders interest. The coefficient of variations was found to be .756. This shows that there is a positive correlation between the Board structures, Internal Audit, Shareholders interest and the working capital efficiency. This indicates that the changes in the predictor variables would be very closely associated with the changes in the level of working capital efficiency. The study found that board structure has the highest influence on working capital efficiency than internal audit and shareholders' interest The study concluded that there is a significant impact of corporate governance on working capital efficiency of manufacturing firms in Nairobi County. The study recommends that there is need for harmonization of corporate governance across all manufacturing firms since some of them had different nature of corporate governance practices and therefore leading to the difference in the management of working capital.

# **CHAPTER ONE**

## **INTRODUCTION**

### **1.0 Background of the Study**

#### **1.1 Working Capital**

Every business needs investment to procure fixed assets, which remain in use for a longer period. Money invested in these assets is called ‘Long term Funds’ or ‘Fixed Capital’. Business also needs funds for short-term purposes to finance current operations. Investment in short term assets like cash, inventories, debtors etc., is called ‘Short-term Funds’ or ‘Working Capital’. The ‘Working Capital’ can be categorized, as funds needed for carrying out day-to-day operations of the business smoothly (Gryglewicz, 2011). The management of the working capital is equally important as the management of long-term financial investment.

Working capital efficiency involves the balance between firm’s short term assets and its short term Liabilities. The interaction between current assets and current liabilities is, therefore, the main theme of the Theory of working capital management (Leary & Roberts, 2014). Working capital efficiency is concerned with the problem that arises in attempting to manage the current assets, the current liabilities and the inter relationship that exists between them. The goal of working capital efficiency is to a firm’s current assets and current liabilities in such a way that a satisfactory level of working capital is maintained.

The concept of working capital addresses companies managing of their short term capital and the goal of management of working capital is to promote a satisfying liquidity, profitability and shareholders’ value. A well-managed working capital

promotes a company's wellbeing on the market in terms of liquidity and it also acts in favor for the growth of shareholders value (Jeng-Ren, Li-&Han-wen, 2006). Working capital efficiency is an important component of corporate financial management because it directly affects the profitability of the firms. Researchers have approached the working capital in numerous ways. While some studied the impact of proper or optimal inventory management, others studied the management of accounts receivable trying to postulate an optimal policy that leads to profit maximization.

According to Deloof (2003), the way that working capital is managed has a significant impact on the profitability of the firm. Such results indicate that there is a certain level of working capital requirement which potentially maximizes returns. The working capital meets the short term financial requirements of a business enterprise. It is the investment required for running the day to day business. Efficient working capital includes planning and controlling of current liabilities in a way it avoids excessive investments in current assets and prevents from working with few current assets insufficient to fulfill the responsibilities (Ganesan 2007).

Working capital is the results of the time lag between the expenditure for the purchase of raw materials and the collection for the sale of finished products. The components of working capital are inventories, accounts payable to suppliers, accounts receivable from customers after sale and the cash conversion cycle. Working capital efficiency is measured by the period between the purchases of materials on account from suppliers until the sale of finished product to the customers, the collection of receivables and the payment to suppliers. Thus it reflects the company's ability to finance its core operations with the vendor credit.

Cash Conversion Cycle is considered as key measure to determine the efficiency in working capital efficiency. Further, cash conversion cycle for a firm is the period during which it is transited from money to goods and again to money (Deloof, 2003; Raheman and Nasr, 2007). Deloof 2003, found that the longer the time lag, the larger the investment in working capital. Along cash conversion cycle might lead to profitability because it leads to higher sales. However corporate profitability might decrease with cash conversion cycle, if the costs of higher investment in working capital rise faster than the benefits on holding more inventories and/ or granting more trade credits to customers.

According to Harris (2005) working capital efficiency is simple and straight forward mechanism of ensuring the ability of the firm to fund the difference between short term assets and short term liabilities. In short term objectives of the companies, the Working Capital efficiency are viewed as one of the key mechanism. It is considered to be a vital issue in financial management decision as it has effect on liquidity as well as on profitability of the firm. Liquidity and profitability are both two different sides of the same coin. Optimum level of liquidity guarantees a firm to meet their short term debt and the proper management of flow can be promised by a profitable business. Liquidity shows the ability of company in responding to short term obligation.

### **1.1.2 Corporate Governance**

Governance is the manner in which power is exercised in the management of economic and social resources for sustainable human development and it has assumed the critical importance in these days of political pluralism. It is vital ingredient in the maintenance of dynamic balance between the need for order and equality in society,

the efficient production and delivery of goods and services, accountability in the use of power, the protection of human rights and freedoms, and the maintenance of an organized corporate framework within which each citizen can contribute fully towards finding innovative solutions to common problems.

Governance is concerned with the process, systems, practices and procedures (formal and informal rules) that govern institutions, the manner in which these rules and regulations are applied and followed, the relationships that these rules and regulations determine or create and the nature of those relationships. Essentially, governance addresses the leadership role in the institutional framework. Shleifer and Vishny, (1994) defined Corporate governance as the manners in which the power of a corporation is exercised in the stewardship of the corporation's total portfolio of the assets and resources with the objectives of maintaining and increasing shareholders value and satisfaction of other stakeholders in the context of its corporate mission.

It is concerned with creating a balance between economic and social goals and between individual and communal goals while encouraging efficient use of resources, accountability in the use of power and stewardship and as far as possible to align the interest individuals, corporations and society. The Cadbury committee (1992) defines corporate governance as the system by which companies are directed and controlled. Corporate governance is about supervising and holding to account those direct and control management. Traditionally, corporate governance has been associated with large companies and the existence of Agency problem.

Agency problem arises as the results of the relationship between shareholders and managers. It comes about when members of an organization have conflict of interest within the firm. This because of the separation of control of the firm. Well defined and enforced corporate governance provides a structure that at least in theory provides works for the benefits of everyone concerned by ensuring the firm adheres to the accepted ethical standards. Various theories have been advanced on corporate governance which includes agency theory, stewardship theory and stakeholders' theory of which agency theory has had the greatest influence. It holds that managers will not act to maximize the returns to shareholders unless appropriate governance structures are implemented in the large corporation to safeguard the interests of shareholders (Jensen and Meckling, 1976).

Corporate Governance activities help to enhance the efficiency and effectiveness of the organization with the help of proper supervision and control, thereby playing a very important role in aligning the interest of shareholders and management to reduce the agency conflict. "Firms with poor agency practices face more agency problems as managers of those firms can easily obtain private benefits due to poor corporate governance structure" (McGee, 2009). It also stimulates management to take actions for the best interest of shareholders and increase shareholders wealth.

Good corporate governance is necessary in order to attract investors, create competitive and efficient companies and business enterprises, enhance the accountability and performance of those entrusted to manage corporations and promote efficient use of limited resources.



Without efficient companies or business enterprises, the country will not create wealth or employment. Without investment, companies will stagnate and collapse. Gomez (2005) stated that “if business enterprises do not prosper, they will stagnate and collapse. If business enterprises do not prosper, there will be no economic growth; no employment, no taxes paid and invariably the country will not develop”. The country needs well-governed and managed business enterprises that can attract investments, create jobs and wealth and remain viable, sustainable and competitive in the global market place. Good corporate governance therefore becomes a prerequisite for national economic development.

### **1.1.3 Global Trends in Corporate Governance**

From the global perspective, the history of corporate governance system is now well documented. Monks (1996) argues that the numerous cases of corporate failures are an inclement of the effective of the existing corporate governance structures. Initially this financial scandal appeared primarily to be American phenomenon, arising from overheated U.S stock markets; excess greed and a winner – take – all mindset of the American society. According to Gomez (2005), the past two decades have however, witnessed significant transformations in corporate governance structures, leading to increased scholarly interest in the role of board of directors in driving corporate performance. Arising from many high profiles corporate failures, coupled with generally low corporate profits across the globe, the credibility of the existing corporate governance structures has been put to question.

The traditional approach to corporate governance has typically ignored the unique influence that firm owners exert on the board and by extension, the top management

to behave or make decision in a particular way. Owner preferences and investment choices are influenced by among other factors, the extent to which they can take risk. To the extent that owners have economic relations with the firm, their priority would be to protect their interest even though they may lead to low investment returns and generally low profitability. Corporate governance rules have been promoted in part as a way of protecting and encouraging foreign investments in Eastern Europe, Asia and other emerging markets. The greater integration of world capital markets in particular in the European Union following the introduction of Euro and the growth in equity capital throughout the 1990's have also had been a significant factor in rekindling interest in corporate governance (Lins 2003).

#### **1.1.4 Corporate Governance in Kenya**

In Kenya the code of best practices issued by the Private Sector Initiative for Corporate Governance defines Corporate Governance as the manner in which the power of corporation is exercised in the stewardship of corporation's total portfolio of assets and resources with the objective of maintain and increasing shareholders value and satisfaction of other stakeholders in the context of its corporate mission. It states that good Corporate Governance seeks to promote recognition and protection of stakeholder's rights, legitimate corporations that are managed with integrity, probity and transparency and an inclusive approach based on democratic ideas legitimate representation and participation among others (Kihara, 2006).

Kenya Capital Market Authority also has issued guidelines on corporate governance practices by the public companies in Kenya. The guidelines were developed in recognition on the role of good governance in corporate performance, capital formation and maximization of shareholders values and protection of investors' right

(Wamalwa, 2003). The main objectives of these rules is to strengthen corporate governance practices in Public listed companies in Kenya and to promote the standards of self-regulations so as to bring the level of governance in line with International standards. Corporate governance has become one of the most discussed topics in business administration due to balance sheet manipulation or even collapse of some public corporations. Corporate Governance enlarged up prevailing debate on Shareholder value management (Clarke 2007).

For many manufacturing firm, the current assets account for over half of their total assets. The management of working capital may have both negative and positive effects on the firms profitability, which in turn, has a negative and a positive impact on the shareholders wealth. The manufacturing firms are characterized by high intensive working capital requirement and high competition because of high technology changes. This makes the working capital management crucial to bring attractive earnings to shareholders.

## **1.2 Problem Statement**

One of the challenges faced by manufacturing firms is meeting their short term commitments. The manufacturing firms have extended longer credit period to debtors as they have shorter credit period from creditors (Mogaka & Jagongo 2013). This in turn affects the operations of the firm making it difficult to meet their current liabilities. Raheman & Nasr (2007) found that working capital is a key element for competition and they are rigorously managed by firms. This fine tuning is particularly important in recession and macroeconomic down town, where an organization major part of current asset is consisting of closing stock of raw materials, or unsold goods, which cannot be realized in a short notice for meeting the working capital requirement of an organization. Therefore, this will lead to financial crunch in meeting short term obligations and ultimately may lead to inefficiency in working capital (Wamalwa 2003).

Various studies have been conducted in relation to working capital efficiency in manufacturing firms. Though the results are mixed, both locally and internationally, the studies have been conducted on firms listed in various securities exchange which are generally large and with stable financial base different from medium and small firms. The medium and smaller firms which form the majority of the manufacturing firms have not been incorporated in the previous researches. It is therefore due to this research gap that the researcher wanted to determine the effect of corporate governance practices on the working capital efficiency of manufacturing firms in Nairobi county.

### **1.3 Objectives of the Study**

#### **1.3.1 Main Objective**

This study was guided by the main objective, to determine the influence of Corporate Governance practices on Working Capital efficiency of Manufacturing firms in Nairobi County.

#### **1.3.2 Specific Objectives**

1. To determine the influence of Board Structure on Working Capital Efficiency of Manufacturing firms in Nairobi County.
2. To establish the influence of Internal Audit on Working Capital Efficiency of Manufacturing firms in Nairobi County.
3. To determine the influence of shareholders' Interest on Working Capital Efficiency of Manufacturing firms in Nairobi County.

### **1.4 Hypotheses**

To offer useful answers to the research objectives, the following hypothesis stated in their null forms were tested

**H01:** There is no significant relationship between Board Structure and working capital efficiency

**H02:** There is no significant relationship between Internal Audit and working capital efficiency

**H03:** There is no significant relationship between Shareholders' Interest and working capital efficiency

### **1.5 Justification of the Study**

Good corporate governance holds management accountable to the board and the board accountable to the shareholders. The Corporate Governance practices promote the standards of self-regulation so as to bring the level of governance in line with international trend. The result of the study will contribute to the understanding of how the Corporate Governance practices influence the working capital efficiency in developing economies such as Kenya. Scholars may also wish to use the findings of this study as a basis for further research.

The study will enrich the shareholders and investors understanding, on how the corporate governance practices affect the value of their investment since Working Capital affects profitability and liquidity of a firm. It will also help in addressing the agency problem. Management will also benefit from the study as they will know how adherence to the selected Corporate Governance practices influences the level of their organization's working capital efficiency. The study will also benefit the financial managers, investors, financial management consultant and other stakeholders.

### **1.6 Limitations of the Study**

The study experienced certain limitations which included accessibility of data as the respondents were not willing to provide information for fear of leaking the firm's information to competitors. This was addressed explain from the onset the purpose of the study and the intent of the questionnaires through formal discussions with the respondents.

This study was limited to the sample of Nairobi County manufacturing firms. The findings of this study could only be generalized to firms similar to those that were included in this research.

## **CHAPTER TWO**

### **LITERATURE REVIEW**

#### **2.1 Introduction**

This chapter reviews literature relating to corporate governance practices and firms working capital management. The literature review has been organized in the following sections. First section covers the theories underlying the study, corporate governance and firm's working capital. The second section covers the corporate governance practices and working capital, third section covers the empirical studies on the subject area and the last section covers the missing gap.

#### **2.2 Theoretical Framework**

Firms usually come to the conclusion that there is a need for an appropriate mixture of debt finance with regard to the length of time to maturity: some short term borrowing is desirable alongside some long term borrowing (Brigham & Ehrhardt, 2004). This is because there is always a minimum level of current assets which is continuously required by a firm to carry on its business operations. This forms the permanent or fixed working capital. The extra working capital needed to support the changing production and sales through the operating cycle. The major factors to be considered in achieving the right between the permanent and variable working capital include cost interest rate and risk of not being able to renew borrowings, of the yield curve shifting or not being able to meet sudden outflow if the maturity is bunched (Weinraub & Vissicher, 1998).



### **2.2.1 Matching Approach**

According to Gitman (2005), some firms follow the matching principle, in which the maturity structure of finance matches the maturity period of the project or asset. Here, the fixed assets and current assets which are needed on permanent basis are financed through long term sources. While current assets that's financing needs vary throughout the year are financed by short term borrowings. The theory implies that excessive cash in corporate accounts is not necessarily in favor of the firm. Unnecessary cash may be built up because of poor corporate governance. Tradeoff theory, pecking order theory and free cash flow theory usually explain the pattern of cash holdings. Firms, according to tradeoff theory and by extension the matching approach, set their optimal level of cash holdings by weighting the marginal costs and marginal benefits of holding cash (Afza & Nazir 2009). The level of cash a firm maintains is characterized by its policies regarding working capital requirements, cash flow management, dividend payments, investments and asset management.

### **2.2.2 Aggressive Approach**

This approach is considered more risky because of the frequent needed to refinance to support permanent current assets as well as fluctuating current assets. Gitman (2005) observed that if a firm relied on overdraft for this, it will be vulnerable to a rapid withdrawal of that facility and if stocks and cash are reduced to pay back the overdraft the firm may experience severe disruptions, loss of sales output and additional costs because of failure to maintain the minimum required working capital to sustain optimum profitability. Thus, Bringham and Ehrhardt (2004) post that this working capital policy will be associated with higher return and risk. Audit committee represents another internal governance mechanism whose impacts to improve the

quality of financial management of a company and therefore encouraging the firm not to take unnecessary risk in maintenance of their working capital level.

### **2.2.3 Conservative Approach**

Under the conservative approach, the firm finances its permanent assets and also a part of temporary current assets with long term financing. When there are times in the course of the year when surplus cash is available, this will be invested in short-term instruments. Most of the managers feel much happier under the conservative approach because of the lower risk of being unable to pay bills as they arise. The low-risk is to make sure that long term financing covers the total investment of the assets. However such a policy may not be to the best interest of the owners of the firm.

The short term funds invested in the short term securities is unlikely to earn satisfactory return relative to the cost of the long term funds. In all likelihood, shareholders would better off if the firm reduced its long term financing, by returning cash to shareholders or paying off some long term loans. The holding and increasing of net working capital tie up used money for financing net working capital. If net working capital increases, the firm must utilize and tie up more money and this decreases free cash flows. Production level growth necessitates increased levels of cash, inventories and accounts receivable (Michalski, 2008).

### **2.3 Corporate Governance Practices and Working Capital Efficiency**

There are a number of principles that are essential for good corporate governance practices of which the board of directors, Audit and shareholders' interest has been identified as representing critical foundation and virtues of good corporate governance practices. To better appreciate the corporate governance issues, firms need to take into

consideration the risk taking orientation of their shareholders; Board structures is discussed in form of board size, board composition and CEO duality. Audit is discussed in form of Annual reports and accounts, independent of Audit committees and internal control. Shareholders' interest is discussed in form of disclosure and transparency, equitable treatment of shareholders and the right of shareholders.

Harford, Mansi & Maxwell (2008) focused on the study on the corporate governance and firm cash holdings. They found that firms with weaker corporate governance actually have smaller cash reserves. When distributing cash to shareholders, firms with weaker governance structures choose to repurchase instead of increasing dividends, avoiding future payout commitments. The combination of excess cash and weak shareholders rights leads to increases in capital expenditures and acquisitions. Firms with low shareholders right excess cash have lower profitability and valuations. Previous studies concluded that industry practices, firm size, future firms sales growth, the proportion of outside directors on a board, executive compensation and CEO share ownership significantly influence the efficiency of a company's working capital management.

Studies have also pointed out that the larger the proportion of outsiders on firm's board, the better its working capital management performance. And the larger the CEO's current compensation the better the firm's working capital management performance. Inadequate policies regarding accounts receivable, accounts payable and inventory management have a negative impact on cash conversion cycle. The policy to maintain high cash balances may reflect management own risk aversion and that may cause an agency problem because the board of directors and the CEO may maintain balances that they do not maximize shareholders wealth (Gill and Bigger

2013). By managing working capital effectively, shareholders can get maximum returns on their invested capital. Weak corporate governance may have adverse consequences for cash consequences for cash management, accounts receivable, inventory, accounts payable, and cash conversion. The CEO tenure helps in improving working capital management. The dual responsibility CEO's serves the interest of the management team and one way to protect the teams position is to hold excessive corporate liquidity. In addition, the CEO together with the board of directors formulate policies, including policy relate to working capital management.

#### **2.4 Board Structure and Working Capital Efficiency**

Direct monitoring by the shareholders is governed through the board of directors who were elected by shareholders. The board of directors is the ultimate decision making organ of the company. The board plays a major role in the corporate governance frame work and is mainly responsible for monitoring managerial performance and achieving an adequate return for shareholders. The board also acts as an intermediary between the principals (shareholders) and the agents. (Managers) ensuring that capital is directed to the right purpose (OECD report 2004). The Kenya Capital Markets Authority (2002) defines the role of the board of directors as identifying the corporate business opportunities as well as principal risks in its operating environment including the implementation of appropriate measures to manage such risks or anticipated changes impacting on the corporate business.

Prasad (2006) noted that board structure distinguishes between those directors who hold management positions in the company and those who do not. Those with management positions are referred to as inside directors. The top person in the board is known as the chairman. He could be an executive or non-executive of the company.

If the CEO happens to be a director on the board, then he is an executive director. Prasad (2006) identified other dimensions of board structure such as the number and types of board committees, committee's membership, flow of information of information among these committees and pattern of committee membership.

The board of directors is the highest body of a company that is responsible for managing the firm and its operation. It plays a vital role in shorter decision regarding the shorter investments. Kamau and Basweti (2013) found there is a positive correlation between the board size and the working capital efficiency. Larger board size may find it difficult in arriving at a consensus in decision which can ultimately affect the quality of corporate governance. Larger boards allows firms to bring diverse and vital resources on the board that can make the board decision making effective and efficient, directly or indirectly meeting challenges in the globalized business environment.

The size of the board can add to the diversity of perspectives, proving greater choices among solutions and more decision criteria to achieve the shorter goals and objectives. The board size and the working capital efficiently ensure that the shorter objectives are achieved. Size of the board is recognized as one of the unique features of board dynamics with considerable but strategic impact on the board independence as well as the overall quality of corporate governance (Jensen & Meckling 1976). The size of board is vital to achieving the board effectiveness and improved firm performance especially from resource dependency perspective which place more emphasis on the board ability to co-opt limited and scares resource from various external links.

Board size affects the quality of deliberation among members and ability of board to arrive at optimal corporate decisions. The accounts payable period, accounts receivable period are components of the working capital which can be affected by the board's decision. There is near consensus in the conceptual literature that effective boards are composed of greater proportions of outside directors. A preference of outsider dominated boards is largely grounded in agency theory. Agency theory is control based theory in that managers by virtue of their firm specific knowledge and managerial expertise are believed to gain an advantage over firm owners who are largely removed from the operational aspects of the firm. The potential for this conflict of interest or battle for control necessitates monitoring mechanism designed to protect shareholders as owners of the firm (Jensen & Ruback 1983).

An examination of fortune 500 corporations, Kesner (1987) found a positive and significant relationship between proportion on inside directors and returns to investors, the earlier work on corporate governance reported a positive association between inside directors and firm performance. Additionally, there is a stream of research which has found no relationship between board composition and firm performance. In the face of ownership and control dispersion, outside non-executive directors are more reliable and also effective in representing shareholders interest. Kesner (1987) argued that non-executive directors are much more likely to oppose to corporate strategy they believe is not in the best interest of shareholders. The board monitoring and control function becomes difficult with insider dominated board since they cannot provide appropriate monitoring against itself.

The independent outside director brings to bear the much needed neutrality and objectivity in the board discuss. Corporate governance plays an important role in controlling the management of working capital by formulating sound policies. The roles of CEO duality help in maintaining an appropriate level of working capital in the organization (Gill & Biger, 2013). CEO tenure also helps in improving working capital management. The dual-responsibility, CEOs serve the interests of the management team and one way to protect the team's position is to hold excessive corporate liquidity. In addition, the CEO together with the board of directors formulates policies, including policy related to working capital management.

According to the Agency theorists, CEO Duality creates imbalance in corporate power distribution as heavy concentration of management and control resides with one-person which tend to jeopardized board effectiveness (Deloof 2003). This imbalance makes it inevitably difficult for the corporate board to provide appropriate monitoring or even institute punitive measure against erring CEO due to absence of independence. The integrity of information available to board is compromised with CEO duality due to asymmetric as CEO determines what kinds of information are brought to board attention. Agency theorists thus, argued that the separation of the two positions will reduce the agency cost and promote corporate transparency and accountability.

## **2.5 Internal Audit and Working Capital Efficiency**

Verdi (2006) conceptually defined financial reporting quality as the precision with which financial reporting conveys information about the firms operations, in particular its expected cash flows, in order to inform equity investors. Financial

reporting should provide information to help investors, creditors and other users assess the amounts, timing uncertainly of prospective net cash inflows to the related enterprise. The purpose of corporate reporting is to provide information that is useful to a wide range of users in making economic decisions. Verdi (2006) correctly observed that, investor confidence and market efficiency depend on the disclosure of accurate and timely information about corporate performance.

The financial statements are supposed to express true and fair picture of the company's financial status. Companies are required to maintain proper book of accounts. This helps in providing data to shareholders and maintains transparency and disclosure which is an important part of maintaining good corporate governance structure. Financial statements must reveal all financial data and transactions.

As a matter of best practice, the constitution of audit committees represents an important step towards promoting good corporate governance. The audit committees have an influence on the working capital efficiency.

Under the legal notice no 60 KCMA, 2002 the audit committees should review quarterly, half yearly and yearend financial statements of the company. Their responsibility is to check whether a company is maintain proper books of accounts or not make sure that company is complying with corporate governance principles. The Audit committee provides a formal communication between the boards, the internal monitoring system the external auditors. The existence and composition of Audit committee have an influence on financial reporting. The Audit committee independence increases the quality and the credibility of financial statements. In this capacity, the audit committee acts as an arbiter between management and the auditors.



Healy and Palepu (2001) suggested that audit committees should have a minimum size of three members to enhance independence. An Independent Audit Committee enhances the efficiency of working capital by auditing cash accounts, accounts payable and inventory accounts. This in turn, minimizes agency problems and agency costs. The board should present an objective and understandable assessment of the company's operating position and prospects. Healy and Palepu (2001) noted that firms provide disclosure through regulated financial reports including financial statements, footnotes and analysis and other regulatory findings. Financial statements are supposed to express a true and fair picture of the company's financial status. The financial statement shows the current assets and current liabilities. This is used to calculate the working capital position of the firm.

Working capital is an important factor because it has a direct positive effect on profitability as well as liquidity of the company. Optimum level of liquidity, debts and the proper management of business liquidity shows the ability of the company in responding to short – term obligation. A firm ought to optimize its liquidity and profitability while conducting its daily business operations. The corporate governance framework should ensure that timely disclosure is made on all material matters regarding the corporation including the financial situation, performance, ownership and governance of the company (OECD 2004). Inadequate policies regarding accounts receivable, accounts payable and inventory management have a negative impact on the cash conversion cycle.

The policy to maintain high cash balances may reflect management's own risk aversion and that may cause an agency problem because the board of directors and the CEO may maintain balances that do not maximize shareholders wealth (Gill and Bigger, 2013). By managing working capital effectively, shareholders can get maximum return on their invested capital.

## **2.6 Shareholders' Interest and Working Capital Efficiency**

Shareholders expect the managers to act and make decisions in their interest. The managers and the directors should have efficient and effective use of resources for the production of goods and services. This will in turn maximize the shareholders wealth. By holding proper books of accounts and providing financial data to shareholders, organizations maintain transparency and disclosure, which is an important part of maintain good governance structure (Afza & Nazir, 2009). Financial statement must reveal all financial data and transactions. Shareholders should have access to information about corporate performance and leadership through disclosures in report.

Organization for Economic Cooperation and Development (2004) states that the corporate governance framework should ensure timely and accurate disclosure is made on all material matters regarding the corporation, including the financial situation, performance, ownership and governance of the company. Transparency is the basis on which trust between the company and shareholders is built. The board of directors shall ensure that there is equitable treatment of all shareholders. The corporate governance framework should ensure equitable treatment of all shareholders, including minority and foreign shareholders. All shareholders should have the opportunity to obtain effective redress for violation of rights. Shareholders

of the company shall jointly and severely protect and actively exercise supreme authority of the company in general meetings.

Shareholders shall ensure that the board of directors is constantly held accountable and responsible for the efficient and effective governance of the company.

## **2.7 Empirical Studies**

Kajananathan and Achchuthan (2013) conducted a study on the corporate governance practices and Working Capital Management Efficiency. Special reference was given to Listed Manufacturing Company in Srilanka. Twenty five listed firms from the period between 2007 to 2011 were studied. The study found out that there is no significant mean difference between the levels of working capital management efficiency among corporate governance practices as board committees, board meetings and proportion of non-executive directors except board leadership structure. Corporate governance practices were measured by board leadership structures, proportionate of non-executive directors in the board, board committees and board meetings. Working Capital management efficiency was measured using Cash Conversion Cycle, Current liabilities and total assets and current assets to total assets.

Azam and Haider (2012) conducted a study on the impact of working capital management on firm's performance. Evidence from Non-Financial Institutions listed in Karachi Stock exchange. The findings shown that, working capital management has significant impact on firm's performance. It also concluded that managers can increase the value of shareholders and return on assets by reducing their Inventory size, cash conversion cycle and cash trading cycle. Measures of performance were

Return on assets and return on equity. Working capital was measured by Average Collection Period, Inventory Turnover, Average payment period, Cash Conversion Period, Net trading cycle, Gross Working Capital Turnover Ratio, Current Assets to Total Assets Ratios, Current Liabilities to Total Assets Ratios and current Ratio.

Gill and Biger (2013) conducted a study on the impact of corporate governance on working capital management efficiency of American Manufacturing Firms. The study was conducted on one hundred and eighty firms listed between the years 2009 to 2011. The study used correlational research design. They used CEO tenure, CEO duality and Audit Committee and Board size to measure corporate governance. The working capital efficiency was measured by Accounts receivable, Accounts payables, Cash Conversion cycle, current ratio and sales growth. They concluded that corporate governance improves firm's working capital management efficiency.

Locally, Kamau & Basweti (2013) conducted a study on the relationship between corporate governance and working capital management efficiency of firms Listed at the Nairobi Security Exchange. The population of the study consisted of forty two firms that had been consistently listed from 2006-2012. The performance index was used to measure the working capital management efficiency. The result of the study indicated that there was no statistical relationship between corporate governance and working capital management efficiency. Corporate Governance was measured by board size, CEO duality, board meeting, CEO tenure and directors' remuneration. Data on working capital management was measured by annual sales, current assets, current liabilities and size of working capital.

According to Karani, (2013) adoption of corporate governance practices plays an important role in improving the efficiency of working capital management. There exist a positive relationship between accounts payable and audit committee. As the corporate governance practices are implemented by a firm, the level of accounts payable of the firm is minimized. The objective of the study was to establish the effect of corporate governance on working capital of manufacturing firms listed at the Nairobi securities exchange. The study used CEO tenure, board size and audit committee to measure corporate governance. On the other hand working capital was measured using accounts receivable period, inventory conversion period, accounts payable period and cash conversion cycle. Seventeen manufacturing firms consistently listed at the Nairobi security exchange for the period between 2008-2012 were studied.

## **2.8 Research Gap**

Many researchers have examined the relationship between variety of governance mechanisms and working capital management efficiency. Though the results are mixed, both locally and internationally the studies have been conducted on firms listed in various security exchanges. There is a yawning gap exists since none of them have conducted a study on the firms that have not been listed. Corporate governance measurements studies conducted have only dealt with the boards structures. Interest to shareholders and Audit has not been used as a governance practice. Shareholders are the owners of the firms and are affected by the how the directors manages the firm. The shareholders want efficient and effective utilization of resources to maximize their wealth.

## 2.9 Conceptual Framework

The study was guided by conceptual framework shown below.

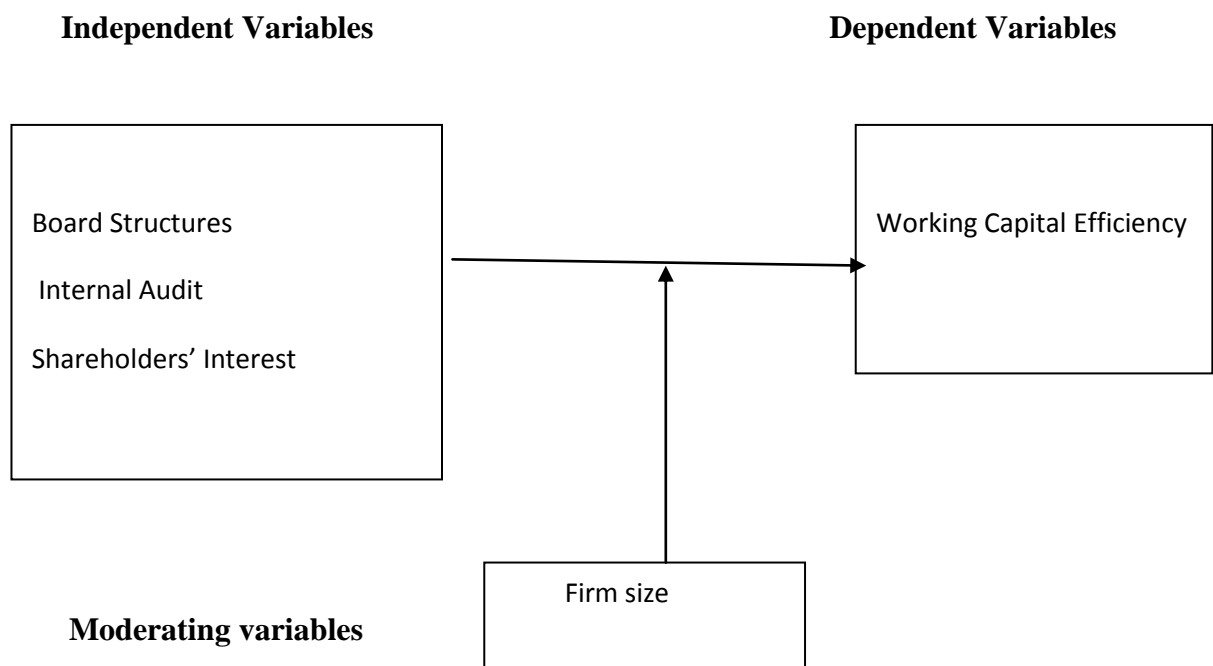


Figure 2.1: Conceptual framework.

## **CHAPTER THREE**

### **RESEARCH METHODOLOGY**

#### **3.0 Introduction**

This chapter explains the method used in carrying out this research study. The chapter is subdivided into the following sections: Research design, target population, sample size and sampling procedures, research instruments validity, instruments reliability, data collection procedure and data analysis techniques.

#### **3.1 Research Design**

Research design is a process of creating empirical test to support or refutes a knowledge claim. The study was descriptive in nature and was quantitatively conducted. Jacobs & Razarich (1996) define survey research method as a technique in which detailed information concerning a social phenomenon is gathered by posing questions to respondents. The outcome of such investigation makes it possible to find explanation of social phenomenon in question. A survey gathers data at a particular point in time with the intention of describing the nature of existing conditions, identifying standards against which existing conditions can be compared and determining the relationship that exist between specific events.

This type of design was most appropriate in investigating the influence of corporate governance practices on working capital efficiency of manufacturing firms in Nairobi County. Further, this design was suitable for the study because the researcher collected data at a particular point in time when events had occurred with an intention of identifying the influence of corporate governance on working capital efficiency.

### **3.2 Target Population**

According to Jacobs and Razarich (1989), target population refers to all members of a real hypothetical set of people, events or objects to which we wish to generalize results of the research. In this study, the target population comprised of five hundred and fifty four managing directors from all the five hundred and fifty four manufacturing firms in Nairobi County. From the target population, two hundred and thirty two were categorized as Large manufacturing firm, two hundred and sixty two were categorized as Medium manufacturing firm and sixty one were categorized as Small manufacturing firm.

### **3.3 Sample Size and Sampling Procedures**

A sample is a subject of a population; Mugenda (2003). Sampling on the other hand refers to selection of Individuals for observations intended to yield some knowledge about population of concern. Sampling has the advantage of reducing the cost of the research, ensuring faster data collection as well as improved accuracy and quality of data. For the purpose of this study, Stratified Random Sampling was used. This method involves a process of stratification or segregation of the population in homogenous groups (groups with the same characteristics).

This was then followed by random selection of the subjects from each stratum. The population was stratified in three categories. These are, Large manufacturing firms, Medium manufacturing firms and Small manufacturing firms. Gay & Airasian (2000) stated that a sample of at least 10% is adequate enough to provide the needed sample from the population for an intended research. The study used 20% of the population as its sample size. The sample size of the study was therefore 111 respondents which



is 20% of the target population (554) manufacturing firms in Nairobi County. The study used 46 firms as samples from the large category, 54 firms were used as samples from the medium category and 11 firms were used as samples from the small category. This ensured that a sample was a representative of the population hence ensured that validity was attained.

### **Table 3.1 Sample size**

The sample size was as illustrated below.

| Category        | Population | Sample size |
|-----------------|------------|-------------|
| Large Category  | 231        | 46          |
| Medium Category | 262        | 54          |
| Small category  | 61         | 11          |
| Total           | 554        | 111         |

### **3.4 Research Instruments**

In order to establish the influence of corporate governance on working capital efficiency of Manufacturing firms in Nairobi County, the views of managing directors were sought. The main instruments of data collection were structured and unstructured questionnaires. This ensured more information was captured for each objective. The questionnaires contained four sections. Section one collected information on Demographic of the respondent's the second section based on the first objective and captured information on Board Structures and Working Capital efficiency, the third section based on the second objective effect of Internal Audit on Working Capital efficiency and the fourth section based on the third objective influence of Shareholders' interest on Working Capital efficiency. Interview guide

and Documentary analysis were also used. Interview collected data from the Kenya Association of manufacturers (KAM).

The questionnaires are the most realistic tool and faster collection of data, less time consuming and can be picked from the respondent after an agreed time (Mutai, 2001). The questionnaires were preferred in the study because all the respondents were literate. Also, being a descriptive study, the questionnaires facilitated efficiency in collecting information from the respondents.

### **3.5 Instruments Validity**

To ascertain the validity of the instrument, a pilot test was done on three firms that were not part of the sample. This helped the researcher to note the level of difficulty in the instrument and whether there were any ambiguities. The pilot served the purpose of testing relevance of the instrument to the objectives of the study. The researcher ensured that the questions were constructed using simple and plain English that was easy to understand. The questionnaires were validated by the supervisors before being used to collect the data.

### **3.6 Instrument Reliability**

Reliability refers to the consistency of the research and the extent to which studies can be replicated. This was assessed by pilot study carried out through administering the questionnaires to three managing directors. The pilot study was conducted to those firms that were not part of the sample. The pilot study was done to ensure that the respondents have no difficulties in understanding the questions.

### **3.7 Data Collection Procedure**

Data was collected from the sampled Manufacturing firms after attaining research permission from the authorities. A brief introduction was made to the respondents before administering the questionnaires with the aim of explaining the nature and

importance of the study to the respondents. The researcher took the questionnaires to the respondents through hand delivery during pilot and main study and later picked them immediately after the agreed period.

### **3.8 Data Analysis Techniques**

Data analysis was based on the research questions designed at the beginning of the research. This was done by use of frequency tables, percentages and means. Responses in the questionnaires were tabulated, coded and processed by use of computer software. The statistical package for Social Sciences (SPSS) was used to analyze the data. Inferential statistics of Correlation analysis was used to test the relationship between the variables. To test the hypotheses of the study, chi-square test was conducted with a significance test at 5% level. Chi-square is a statistical test commonly used to compare observed data. The chi-square (I) test is used to determine whether there is a significant difference between the expected frequencies and the observed frequencies in one or more categories.

## CHAPTER FOUR

### DATA PRESENTATION, ANALYSIS, INTERPRETATION AND DISCUSSION

#### 4.1 Introduction

This chapter presents the analysis of the data that was gathered from the field. The chapter is divided into several sections. These include the demographic data of the respondents, years of management experience, Education level and the analysis of data based on research objectives. From the 111 questionnaires administered, 94 (85%) were returned. The return rate was above 80% and hence was deemed adequate for data analysis.

#### 4.2 Demographic Data of respondents

The demographic information of the respondents was based on their gender and age.

**Table 4.1 Distribution of respondents according to gender**

| Gender       | Frequency | Percentage |
|--------------|-----------|------------|
| Male         | 60        | 64         |
| Female       | 34        | 36         |
| <b>Total</b> | <b>94</b> | <b>100</b> |

Data shows that majority 60 (64%) of the respondents were male while 34 (36) of the respondents were female. This indicated that there are more male Managers than female managers in manufacturing firms in Nairobi County

**Table 4.2 Distribution of respondents according to Age**

| <b>Age of the Respondents</b> | <b>Frequency</b> | <b>Percentage</b> |
|-------------------------------|------------------|-------------------|
| Age 20-30                     | 13               | 14                |
| 30-40                         | 24               | 26                |
| 40 – 50                       | 35               | 37                |
| 50 and Above                  | 22               | 23                |
| <b>Total</b>                  | <b>94</b>        | <b>100</b>        |

The data shows that 35(37%) of the respondents were aged between 40-50 years, 24(26%) of the respondents were aged between 30-40 years. The data also indicated that 22(23%) of the respondents were aged above 50 years while 13(14%) were aged between 20-30 years.

**Table 4.3 Distribution of respondents according to Education qualification**

| <b>Highest Education<br/>Qualification</b> | <b>Frequency</b> | <b>Percentage</b> |
|--|------------------|-------------------|
| Primary School Level                       | 1                | 1                 |
| Secondary level                            | 9                | 10                |
| College Level                              | 31               | 33                |
| University level                           | 53               | 56                |
| <b>Total</b>                               | <b>94</b>        | <b>100</b>        |

The study sought to understand the levels of education for different respondents. The analysis found that 1(1%) of the respondents had primary level of education, 9(10%) of the respondents had secondary school level of education, while 31(33%) had college level of education. The majority of the respondents had university qualification and comprised of 53 (56%) of the respondents.

The distribution of respondents' years of management experience was shown in the table below.

**Table 4.4 Distribution of respondents according to years of Management Experience**

| Work Experience    | Frequency | Percentage |
|--------------------|-----------|------------|
| 0-3 years          | 7         | 7          |
| 4-6 years          | 9         | 10         |
| 7-9 years          | 18        | 19         |
| 10 years and above | 60        | 64         |
| <b>Total</b>       | <b>94</b> | <b>100</b> |

The data shows that majority of the respondents have more than five years of experience. The study found that 7(7%) of the respondents had up to three years of experience, while 9 (10%) had between 4-6 years of experience. The study found that, there was a bigger number of the respondent who had between 7-9 years of experience and these were 18 (19%) of the respondents. The majority 60(65%) had over 10 years of experience.

### 4.3 Board Structures and Working Capital Efficiency

The data sought to analyse whether shareholders having a constant eye on the manager's actions and company operations enable openness and accountability. The analysis and the findings were as presented below.

**Table 4.5 Shareholders Supervision on openness and accountability**

| Responses    | Frequency | Percentage |
|--------------|-----------|------------|
| Yes          | 71        | 76         |
| No           | 23        | 24         |
| <b>Total</b> | <b>94</b> | <b>100</b> |

The analysis found that, 71(76%) of the respondents said that Yes, While 23 (24%) said no.



**Table 4.6 Board Structure Elements Influencing Working Capital Efficiency**

| <b>Board Structure Elements Influencing Working Capital Efficiency.</b>          |   | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>Total</b> | <b>Mean</b> | <b>S.D</b> |
|--|---|----------|----------|----------|----------|----------|--------------|-------------|------------|
| Firm board size  | % | 42       | 36       | 12       | 6        | 4        | <b>100</b>   | 1.25        | 0.44       |
|  | F | 39       | 34       | 11       | 6        | 4        | <b>94</b>    |             |            |
| Firm board composition   | % | 22       | 26       | 38       | 10       | 4        | <b>100</b>   | 1.31        | 1.47       |
|  | F | 21       | 24       | 36       | 9        | 4        | <b>94</b>    |             |            |
| Chief Executive Officer's tenure   | % | 86       | 12       | 2        | 0        | 0        | <b>100</b>   | 1.47        | 0.70       |
|  | F | 81       | 11       | 2        | 0        | 0        | <b>94</b>    |             |            |
| Board effectiveness in terms of leadership, Stewardship monitoring and Reporting | % | 72       | 22       | 4        | 2        | 0        | <b>100</b>   | 1.89        | 1.01       |
|  | F | 67       | 21       | 4        | 2        | 0        | <b>94</b>    |             |            |
| Frequency of board meetings  | % | 68       | 32       | 0        | 0        | 0        | <b>100</b>   | 1.81        | 1.21       |
|  | F | 64       | 30       | 0        | 0        | 0        | <b>94</b>    |             |            |
| Board members experience and qualification                                       | % | 20       | 12       | 44       | 22       | 2        | <b>100</b>   | 2.28        | 1.16       |
|  | F | 19       | 11       | 41       | 21       | 2        | <b>94</b>    |             |            |
| Multiple directorship  | % | 42       | 22       | 12       | 10       | 14       | <b>100</b>   | 1.75        | 0.94       |
|  | F | 40       | 21       | 11       | 9        | 13       | <b>94</b>    |             |            |
| Directors remuneration   | % | 23       | 24       | 22       | 18       | 13       | <b>100</b>   | 1.22        | 1.34       |
|  | F | 22       | 23       | 20       | 18       | 12       | <b>94</b>    |             |            |

The analysis found that different respondents had different views on the board structure and the elements of the working capital efficiency in the manufacturing firm. The study found that firm board size was found to have a 42% impact on the working capital efficiency. The board size is bigger the slower the rate at which the company

make their decisions and more working capital is needed to reach the goals set due to high planning and varying views that might be raised by such company board size.

Concerning Board composition, the highest numbers of respondents 38% were undecided on whether the board composition affects the firm working capital efficiency. This can mean that it therefore has little or no impact to the company working capital efficiency. Concerning the chief executive office tenure, the study found that 86% of the respondents strongly agreed that CEO tenure affect the working capital efficiency of the firm. On the relationship between Board effectiveness in terms of leadership, Stewardship monitoring and reporting in relation to working capital efficiency, 72% of the respondents strongly agreed that there is a keen and wide relationship between the leadership, stewardship monitoring and reporting relationship on the influence of the working capital efficiency.

The study found that the frequency of board meetings further affect the working capital efficiency of the firm. The analysis shows that 68% of the respondents strongly agreed. The data shows that the majority of the respondents 44% were undecided on whether the board members experience and skills influence affect the working capital efficiency. The study further found that multiple directorship affects the working capital efficiency as strongly agreed by 42% of the respondents. The study indicated that remuneration of the directors affect the company working capital efficiency indicated by 23% of the respondents. It can be noted that director's remuneration is not a major element as the majority were only 24%.

#### 4.4 Internal Audit and Working Capital Efficiency

The analysis sought to determine the effects of the internal audit on the working capital efficiency of the firm. The analysis indicated that there is very high importance in internal audit in controlling the organizational and exposing the misappropriation in the organization or unearthing the embezzlement that would occur in the company hence affecting working capital efficiency.

**Table 4.7 Internal Audit and Working Capital Efficiency**

| Whether Internal Audit affect Working Capital Efficiency | Frequency | Percentage |
|--|-----------|------------|
| Yes  | 81        | 86         |
| No   | 13        | 14         |
| <b>Total</b>   | <b>94</b> | <b>100</b> |

The analysis sought to understand the effects of internal audit on working capital efficiency. The study found that 86% of the respondents believed that internal audit affects the working capital efficiency. However, the analysis found that 14% of the respondents believed that there are little or no effects that are related to internal audit in relation to working capital efficiency.

**Table 4.8 Responses on Components of Internal Audit on working capital efficiency**

| Components of Internal Audit          |  | 1  | 2  | 3  | 4  | 5  | Total | Mean | S.D  |
|---------------------------------------|--|----|----|----|----|----|-------|------|------|
| Internal audit functions affect       |  | 22 | 12 | 36 | 18 | 12 | 100   | 1.28 | 0.57 |
| Working capital efficiency            |  | F  | 21 | 11 | 34 | 17 | 11    | 94   |      |
| Internal controls procedures affect   |  | %  | 54 | 14 | 16 | 12 | 4     | 100  | 1.33 |
| Working capital efficiency            |  | F  | 51 | 13 | 15 | 11 | 4     | 94   | 0.83 |
| Independent internal auditor's        |  | %  | 42 | 36 | 12 | 5  | 5     | 100  | 2.25 |
| report affect working capital         |  | F  | 39 | 34 | 11 | 5  | 5     | 94   | 1.42 |
| efficiency                            |  |    |    |    |    |    |       |      |      |
| Audit committee's meetings influences |  | %  | 26 | 22 | 24 | 25 | 3     | 100  | 2.14 |
| Working capital efficiency            |  | F  | 24 | 21 | 23 | 23 | 3     | 94   | 1.22 |
| Size of the Audit committee           |  | %  | 10 | 8  | 2  | 12 | 68    | 100  | 1.08 |
| enhance working capital efficiency    |  | F  | 9  | 8  | 2  | 11 | 64    | 94   | 0.28 |
| Board relationship with the           |  | %  | 28 | 24 | 21 | 6  | 21    | 100  | 2.58 |
| internal auditors enhance working     |  | F  | 26 | 23 | 20 | 5  | 20    | 94   | 1.28 |
| capital efficiency                    |  |    |    |    |    |    |       |      |      |

The study sought to find out if components of internal audit affect the working capital efficiency in the manufacturing firms. The analysis indicated that proper management of the internal audit functions affects the efficiency of working capital, where by 22% of the respondents strongly agreed with the statements. Concerning the internal controls procedure, majority of the respondents strongly agreed that internal controls

affect the working capital efficiency as provided by 54% of the respondents. While 4% of the respondents strongly disagreed. The data shows that 42% of the respondents strongly agreed that the efficiency of the working capital is influenced by Independent internal auditors' reports.

The analysis indicated that most of the respondents strongly agreed 26%, that audit committee meetings influences working capital efficiency but the study was divided with almost the same number of the respondents just agreeing (as incited by 22%) and others disagreeing (as indicted by 25%) and finally others were not decided on the answer (as indicted by 24%). The analysis on the size of audit committee enhancing working capital efficiency, data shows that 68% of the respondents strongly disagreed with the suggestion. The analysis indicated that, the bigger or the smaller the audit committee is in no way related to the firm's working capital efficiency. Finally the study sought the information on how Board relationship with the internal auditors enhances working capital efficiency. The analysis found from 28% of the respondents strongly agrees the Board relationship with the internal auditors enhances working capital efficiency.

#### **4.5 Shareholders' Interest and Working Capital Efficiency**

The study sought to analyze the effects of the shareholders interest on working capital efficiency. Many corporate financial officers identify working capital management as being very important to their firms' value especially in the maximization of the shareholders wealth. The analysis therefore sought to establish the effects of shareholders' interest in working capital efficiency. The analysis was as follows.

**Table 4.9 Shareholders' Interest and Working Capital Efficiency**

| <b>Does Shareholders' Interest affect Working Capital Efficiency</b> | <b>Frequency</b> | <b>Percentage</b> |
|--|------------------|-------------------|
| Yes  | 86               | 92                |
| No   | 8                | 8                 |
| <b>Total</b>   | <b>94</b>        | <b>100</b>        |

The study found that 92% of the respondents said yes that the shareholders' interest affect working capital efficiency. The analysis however found from 8% of the respondents is said that there is no link or relationship between shareholders interest and working capital efficiency.

**Table 4.10 shareholders' interest on influence on working capital efficiency**

| <b>Shareholders' Interest on Influence on Working Capital Efficiency</b>          |   | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>Total</b> | <b>Mean</b> | <b>S.D</b> |
|---|---|----------|----------|----------|----------|----------|--------------|-------------|------------|
| Disclosure and Transparency affect working capital efficiency                     | % | 58       | 22       | 5        | 8        | 7        | <b>100</b>   | 1.28        | 0.51       |
|   | F | 55       | 21       | 5        | 7        | 6        | <b>94</b>    |             |            |
| Conduct of annual general Meeting affect working Capital efficiency               | % | 22       | 18       | 26       | 34       | 0        | <b>100</b>   | 1.56        | 1.00       |
|   | F | 21       | 17       | 24       | 32       | 0        | <b>94</b>    |             |            |
| Annual financial reports Affect working capital efficiency                        | % | 66       | 14       | 6        | 10       | 4        | <b>100</b>   | 3.42        | 1.91       |
|   | F | 62       | 13       | 6        | 9        | 4        | <b>94</b>    |             |            |
| Frequency of reporting affect working capital efficiency                          | % | 42       | 12       | 16       | 28       | 2        | <b>100</b>   | 1.69        | 0.79       |
|   | F | 39       | 11       | 15       | 27       | 2        | <b>94</b>    |             |            |
| Regular and timely information affect working efficiency capital                  | % | 55       | 13       | 12       | 14       | 6        | <b>100</b>   | 2.81        | 1.28       |
|   | F | 52       | 12       | 11       | 13       | 6        | <b>94</b>    |             |            |
| Risk management controls affect working capital efficiency                        | % | 32       | 48       | 6        | 12       | 2        | <b>100</b>   | 1.75        | 0.94       |
|   | F | 30       | 45       | 6        | 11       | 2        | <b>94</b>    |             |            |
| Board relationship with the monitoring agencies affect working capital efficiency | % | 72       | 15       | 8        | 2        | 3        | <b>100</b>   | 1.52        | 1.11       |
|   | F | 68       | 14       | 7        | 3        | 3        | <b>94</b>    |             |            |

The analysis found that 58% of the respondents strongly agreed that disclosure and transparency affect working capital efficiency. While 34% of the respondents disagreed that the Conduct of annual general meeting affects working capital efficiency while none of the respondents disagreed. However the study found that 66% strongly agreed that Annual financial reports affect working capital efficiency

.The analysis indicated that 42% of the respondents strongly agreed that frequency of reporting affect working capital efficiency. The analysis indicated that 55% of the respondents strongly agreed that regular and timely information affect working capital efficiency. The analysis indicated that 48% of the respondent strongly agreed that Risk management controls affect working capital efficiency while 72% strongly agreed that Board relationship with the monitoring agencies affect working capital efficiency.

#### 4.6 Measurement of the Working Capital Efficiency

**Table 4.11 Working Capital Efficiency**

| Measurement of the Dependent Variables            |   | 1  | 2  | 3  | 4  | 5 | Total      | Mean | S.D  |
|---|---|----|----|----|----|---|------------|------|------|
| Our firm's board structure %                      |   | 45 | 26 | 22 | 6  | 1 | <b>100</b> | 1.93 | 1.01 |
| Influences working capital Efficiency.            | F | 42 | 24 | 21 | 6  | 1 | <b>94</b>  |      |      |
| Our firm's internal audit functions %             |   | 18 | 42 | 16 | 20 | 4 | <b>100</b> | 2.51 | 1.13 |
| influences working capital efficiency             | F | 17 | 39 | 15 | 19 | 4 | <b>94</b>  |      |      |
| Shareholders' Interest %                          |   | 66 | 14 | 6  | 10 | 4 | <b>100</b> | 1.72 | 1.12 |
| influences working capital efficiency in our firm | F | 62 | 13 | 6  | 9  | 4 | <b>94</b>  |      |      |

The study sought to analyse the effects the manager's views concerning the organizational working capital efficiency. The study found that the statement on whether firm's board structure influenced the working capital efficiency was strongly agreeable with 45% of the respondent indicating that they believed that firm board structure affects the manufacturing company's working capital efficiency. While 1% strongly disagreed. The study further sought to get the views of the firms internal audit functions including working capital efficiency. The analysis found that 42% of the respondents agreed that firm's internal audit functions influences working capital



efficiency, more to that, 66% of the respondents indicated that Shareholders' interest influences working capital efficiency in our firm.

#### 4.7 Descriptive Statistics

**Table 4.12 Descriptive Statistics**

|                            | Mean   | Std. Deviation | N  |
|----------------------------|--------|----------------|----|
| Working capital Efficiency | 1.3617 | .48307         | 94 |
| Board Structure            | 1.2447 | .43220         | 94 |
| Internal Audit             | 1.1383 | .34706         | 94 |
| Share Holder Interest      | 1.1383 | .34706         | 94 |

On working capital efficiency, the researcher found a mean of 1.36 indicating a strong agreement that corporate governance practices affect the working capital efficiency. It can be deduced to mean that corporate governance plays some role in improving the efficiency of working capital management. The study shows that effective corporate governance practices in an organization ensures that its resources are managed in a manner that will lead to a better performance. The management of working capital is such a resource that effective corporate governance has an effect on when a business does not manage its liquidity well; it will have cash shortages and as a result experience problems paying its obligations when they fall due.

On Board structure a mean of 1.24 indicated that there is a strong agreement that corporate governance provides efficiency on working capital. The analysis gave a mean of 1.13 for internal Audit which indicated that there is agreement that corporate governance has contributed to positive change on working capital efficiency. Internal audits provide a number of important services to firms on management of working

capital. These include detecting and preventing fraud, testing internal control, and monitoring compliance with company policy and government regulation. Concerning share holder interest a mean of 1.13 was found which indicated there was an agreement that corporate governance practices relating to shareholders interests has an effect on the working capital efficiency of manufacturing firms. Having made an investment in a business, shareholders are concerned with assessing the profitability of their investment. The decisions made by managers determine what they can expect both in terms of dividends, or profits, and capital growth, both of which are reflected through the share price.

#### 4.8 Correlations

**Table 4.13 Correlations**

|                            | Working<br>capital<br>Efficiency | Board<br>Structure | Internal<br>Audit | Share<br>Holder<br>Interest |
|----------------------------|----------------------------------|--------------------|-------------------|-----------------------------|
| Working capital Efficiency | 1.000                            | .756               | .532              | .532                        |
| Board Structure            | .756                             | 1.000              | .704              | .704                        |
| Internal Audit             | .532                             | .704               | 1.000             | .880                        |
| Share Holder Interest      | .532                             | .704               | .920              | 1.000                       |

From the above table it is evident that there is strong positive and direct correlation between the working capita efficiency and independent variables.

Thus board structure (0.756), Internal Audit (0.532) and Shareholders' Interest (0.532). This implies that an improvement in these variables will be associated with significant increase in the levels of working capital efficiency.

#### 4.9 Coefficient of determination Model Summary

**Table 4.14 Model Summary**

| Model | R                 | R Square | Adjusted R Square | Std. Error of the Estimate | R Square Change | F Change | df1 | df2 | Sig. F Change |
|-------|-------------------|----------|-------------------|----------------------------|-----------------|----------|-----|-----|---------------|
| 1     | .756 <sup>a</sup> | .872     | .562              | .31961                     | .572            | 60.725   | 2   | 91  | .000          |

a. Predictors: (Constant), Share Holder Interest, Internal Audit, Board Structure

From table 4.14, the coefficient of determination, R Square is the square of the sample correlation coefficient between the outcomes predicted values. As such it explains the extent to which changes in the dependent variable can be explained by the change in the dependent variables, or the percentage of variation in the dependent variable (Working Capital Efficiency) that is explained by the three Independent variables. These are the Board structures, Internal Audit and the Shareholders' Interest. The independent variables explain 87.2% of the working capital efficiency as represented by R Square. This implies that changes in the Independent variables accounted for 87.2% of the changes in the dependent variables.

#### 4.10 Coefficients

**Table 4.15 Coefficients**

|                       | Unstandardized |            | Standardized | t      | Sig.  |
|-----------------------|----------------|------------|--------------|--------|-------|
|                       | Coefficients   |            | Coefficients |        |       |
|                       | B              | Std. Error | Beta         |        |       |
| (Constant)            | .310           | .117       | .522         | 2.65   | .009  |
| Board structure       | .845           | .165       | .421         | 5.1212 | .002  |
| Internal Audit        | .113           | .108       | .756         | 1.046  | .000  |
| Share Holder Interest | .016           | .134       | .000         | 0.119  | 1.000 |

Dependent Variable: Working capital Efficiency

The equation;  $Y_i = a + b_1X_1 + b_2X_2 + b_3X_3 + \varepsilon$

Where:  $Y_i$  = Dependent variable (Working Capital Efficiency)

a is the constant

$b_1, b_2, b_3$ , coefficient of determination

$X_1$  = Board Structure,  $X_2$  = Internal Audit, and  $X_3$  = Shareholders Interest

Therefore from the table above the equation becomes:

$$Y_i = -0.310 + 0.845 X_1 + 0.113 X_2 + 0.016 X_3$$

From the equation above, the analysis shows that if all other variables are constant, a unit increase in Board structures will lead to a 84.5 percent change in the level of working capital efficiency; a unit increase in Internal audit will lead to a 11.3 percent change in the level of working capital efficiency while a unit increase in Shareholders' interest will lead to a 1.6 percent change in the level of working capital.

These results imply that board structure influence more the working capital efficiency followed by the Internal Audit while the Shareholders' interest influence the least.

#### **4.11 Testing Hypothesis**

The use of the chi-square ( $\chi^2$ ) was to test the hypotheses (H1 – H3) by determining the strength of the relationship between the variables with a .05% significant level, meaning that there is only a 5 percent chance that the statistical significance, if any, resulted from random chance. The premise for the validity and consistency of the analysis is the calculation of the P-value. The p-value is the probability that a sample drawn from a population is tested given that the assumptions proposed by the study are true.

**H0<sub>1</sub>: There is no significant relationship between Board Structure and working capital efficiency.**

Table 4.16 Test Statistics-Board structures, provides the actual result of the chi-square goodness-of-fit test. We can see from this table that our test statistic is statistically significant:  $\chi^2 (1) = 57.132$ ,  $p < .0005$ . The calculated value of P-Value is less than the pre-chosen probability. Therefore we reject the null hypothesis and accept the alternative hypothesis that there is significant relationship between Board structure and working capital efficiency.

**Table 4.16 Board structure**

| Test statistics | Board structure |
|-----------------|-----------------|
| Chi-square      | 57.132a         |
| Asymp. sig.     | .000            |

a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 159.5.

**H0<sub>2</sub>: There is no significant relationship between Internal Audit and working capital efficiency**

The table below, Table 4.17 provides the actual result of the chi-square goodness-of-fit test. We can see from this table that our test statistic is statistically significant:  $\chi^2(1) = 144.906$ ,  $p < .0005$ . The P Value is less than the of significance level. Therefore, reject the null hypothesis and accept the alternative hypothesis that there is significant relationship between Internal Audit and working capital efficiency.

**Table 4.17 Internal Audit**

| Test statistics | Internal audit |
|-----------------|----------------|
| Chi-square      | 144.906a       |
| df              | 1              |
| Asmp.sig        | .000           |

a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 159.5.

**H0<sub>3</sub>: There is no significant relationship between Shareholders' Interest and working capital efficiency**

The table below, Table 4.18, provides the actual result of the chi-square goodness-of-fit test. We can see from this table that our test statistic is statistically significant:  $\chi^2(1) = 144.906$ ,  $p < .0005$ . The p Value is less than the significance level. Therefore, we reject the null hypothesis and accept the alternative hypothesis that there is

statistically significant relationship between Shareholders' Interest and working capital efficiency.

**Table 4.18 Shareholders Interest**

| Test Statistics | Shareholders' Interest |
|-----------------|------------------------|
| Chi-square      | 144.906a               |
| df              | 1                      |
| Asymp.sig.      | .000                   |

a. 0 cells (0.0%) have expected frequencies less than 5. The minimum expected cell frequency is 159.5

#### **4.12 Discussion on the findings**

The discussion of findings is in relation with the objectives of the study. The study aimed at determining the influence of corporate governance practices on working capital efficiency of Manufacturing firms in Nairobi County. The study was guide by three specific objectives. These include, determining the influence of Board structure on working capital efficiency of Manufacturing firms in Nairobi County. To establish the influence of internal audit on working Capital efficiency of Manufacturing firms in Nairobi County and to determine the influence of Shareholders' interest on working Capital efficiency of manufacturing firms in Nairobi County. The study establishes that the Chief executive officer's tenure, Board effectiveness in terms of leadership, Stewardship monitoring and reporting are the highest components of board structure which influences the working capital efficiency.

The study agrees with a study by Brigham, & Ehrhardt, (2004) that board of directors play an important role in establishing good corporate practices in a firm. Directors are in charge of monitoring management to protect shareholders' interest. Directors have to ensure the interest of shareholders and managers are aligned. The conflict of interest between shareholders and managers will arise if managers used earnings management to obtain private gains or to reduce likelihood of dismissal when performance is low.

Internal audit and the working capital efficiency, the analysis indicated that with poor internal audit the working capital efficiency is challenged due to increased loopholes of corruption and other factors that affect the working capital. Majority of the respondents 54 % strongly agreed that internal control, procedures affect the working capital efficiency. Study by Harris, (2005) indicated that internal audit is part of the ongoing monitoring of the firms system of internal controls and of its internal capital assessment procedure. Internal audit provides an independent assessment of the adequacy of, and compliance with, the firms established policies and procedures. As such, the internal audit function assists senior management and the board of directors in the efficient and effective discharge of their responsibilities. An audit committees meeting also influences the working capital efficiency. This analysis agrees with a study by Jeng-Ren, & Han-Wen, (2006) that the creation of a permanent audit committee is a solution to meet the practical difficulties that may arise from the board of directors' task to ensure the existence and maintenance of an adequate system of controls. An audit committee reinforces the internal control system and the internal and external audit.



The respondents who said yes to the influence of shareholders interest to working capital efficiency were 92%. The working capital meets the short-term financial requirements of a business enterprise. It is a trading capital, not retained in the business in a particular form for longer than a year. The money invested in it changes form and substance during the normal course of business operations. The need for maintaining an adequate working capital can hardly be questioned therefore; shareholders' interest on working capital might cripple the business operation at a very high rate. The study agrees with an analysis by Raheman, & Nasr, (2007) that the shareholder is the central stakeholder. Placing the shareholder at the focal point of business activity is simply recognizing the fact that firms that do not satisfy shareholder requirements increase their risk of capital flight, higher interest rates, and pressure from the board of directors, takeovers, and lower productivity. Organizations that create long-term shareholder value simultaneously create relatively greater value for all stakeholders. Thus, value-creating organizations appear to operate with the following objective function in mind: Maximize shareholder wealth subject to satisfying remaining stakeholder requirements.

Measurement of the Dependent variables showed that Shareholders Interest had the highest influence on working capital efficiency. A study by Henry, (2013) indicated that efficient Working Capital Management (WCM) was very important for creating value for the shareholders. The way working capital was managed had a significant impact on both profitability and liquidity. The relationship between the length of Net Trading Cycle, corporate profitability and risk adjusted stock return was examined using correlation and regression analysis, by industry and capital intensity. They found a strong negative relationship between lengths of the firm's net trading Cycle

and its profitability. In addition, shorter net trade cycles were associated with higher risk adjusted stock returns.

## **CHAPTER FIVE**

### **SUMMARY, CONCLUSIONS AND RECOMMENDATIONS**

#### **5.1 Introduction**

This chapter summarizes the findings and makes conclusion based on specific objectives of the study. From the data collected and analysis done the following discussions, conclusion and recommendations were made.

#### **5.2 Summary of Findings**

The findings of the study revealed that the shareholders presence in the firm management has impact on the openness and accountability of the firm's dealings. The analysis found that, 76% of the respondents said that yes. The supervision of the managers by the shareholders maintains and enhances the openness and increases the firm's accountability in operations with the view of enhancing the overall business performance. The analyses however found from 24% of the respondents were of the opinion that there is little that is achieved with the shareholders maintaining a strict eye on the managers and business operations. This was said to hamper a feeling on lack of trust and over control by the shareholders who might affect the creativity and performance of such managers.

It was further found that the Chief executive officer's tenure with 86% of the respondents strongly agreeing, the Board effectiveness in terms of leadership, stewardship, monitoring and reporting with 72 % of the respondents strongly agreeing and the frequency of board meetings with 68% of the respondents also strongly agreeing are the elements of board structure that has the highest influences on the working capital efficiency. Analysis also showed that the majority number of

respondents did not agree that directors' remuneration influences the working capital efficiency.

The analysis concerning the effects of Internal Audit on Working Capital Efficiency of Manufacturing firms in Nairobi County, the study found out that 86% of the respondents believed that internal audit affects the working capital efficiency in a number of varying situations. When there is proper internal audit, the firm performance is better due to controls that would otherwise have affected the effective performance of the working capital. However, the analysis found that 14% of the respondents believed that there are little or no effects that are related to internal audit in relation to working capital efficiency.

The analysis found that shareholders' Interest on Working Capital Efficiency of Manufacturing firms in Nairobi County is vital due to the big investment they have done in the firm. The study found that 92% of the respondents believed that shareholders' interest affect working capital efficiency. While 8% of the respondents believed that there is no link or relationship between shareholders interest and working capital efficiency. Working capital meets the short-term financial requirements of a business enterprise. It is a trading capital, not retained in the business in a particular form for longer than a year. The money invested in it changes form and substance during the normal course of business operations.

The analysis further found that Independent variables used in the study influences the dependent variable. The study found that the value of R squared at .872 indicates that 87.2% of the variations in working capital efficiency are related to the predictors

(Shareholders' Interest, Internal Audit, and Board Structure). Only 12.8% of variations in working capital efficiency are not accounted for by change in the independent variables in the model. The whole model has a coefficient of correlation (R) as 0.756 which is a very strong positive correlation.

### **5.3 Conclusion**

The study was made to determine the influence of corporate governance on working capital efficiency on manufacturing firms in Nairobi County. The study findings indicate that Board structure; Internal Audit and Shareholders interest has an influence on working capital. Corporate Governance practices are helpful in enhancing working capital efficiency. Based on the overall study findings, the study can concluded that, there is a significant impact of corporate governance on working capital efficiency of manufacturing firms.

Corporate governance covers all the mechanisms to control the managers and leads them to act in the best interests of the shareholders. It attempts to regulate the decision making power of executives to ensure that they do not serve their own vested interests. Corporate governance gives managers and other stakeholders' not only a chance for fair compensation but also prevents excessive bonuses and other benefits to those who are in control of the corporation. In a nutshell, good corporate governance helps to prevent corporate scandals, fraud and potential failure. Above all, good corporate governance is extremely important for corporation suffering from poor image and reputation. It can make corporations more attractive for investors, customers, suppliers and other stakeholders.

#### **5.4 Recommendations**

The study recommended that effective policies in the working capital management should be formulated through the corporate governance practices in manufacturing firms in Kenya. Also the Shareholders should view the board of directors as a good corporate governance practice and support the improvements and government controls to maintain the independence of the board of directors. Outside directors should exist as they are useful tools for the independence of the board. Last recommendation is there is need also for harmonization of corporate governance across all the firms since some of them firms had different nature of corporate governance practices and therefore leading to the difference in the management of working capital management.

#### **5.5 Suggestions for Further Research**

Future research should investigate generalizations of the findings beyond Nairobi county firms. A study should also be conducted on ownership structure which affects governance mechanisms and their effect on working capital efficiency.

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## **APPENDICES**

### **APPENDIX 1: INTRODUCTION LETTER**

Date: .....

Dear Respondent,

#### **Ref: Questionnaires**

I am a graduate student of Master of Business Management at South Eastern Kenya University. I am carrying out a study on the “Influence of Corporate Governance Practices on Working Capital Efficiency of Manufacturing Firms in Nairobi County”.

You have been sampled in this study. It would be of great value if you could share your wealth of knowledge by completing the attached questionnaire. Your answers will be handled with highest anonymity and confidentiality; this will be achieved by no indication of names. Kindly return the completed questionnaire to me.

Regards

Susan Njeri

Tel: 0723 64 62 03

## APPENDIX II: QUESTIONNAIRE

This questionnaire is divided into short sections that should take only a moment of your time to complete. Please respond by ticking the appropriate box or filling in your answers in the blank spaces provided. This is an academic exercise and all information collected from respondents will be treated with strict confidentiality.

Thank you very much for your cooperation.

### SECTION 1: BASIC INFORMATION

1. Your position in this firm

- a) Managing Directors ☐
- b) Managers ☐
- c) Operations Manager ☐
- d) Any other (please Specify) .....

2. What is your gender

Male ☐

Female ☐

3. What is your age group

- a) 20-30 ☐
- b) 30-40 ☐
- c) 40-50 ☐
- d) Above 50 ☐

4. What is your Level of Education

a) Primary school level ☐

b) Secondary level ☐

c) College Level ☐

d) University level ☐

5. How many years of management experience do you have

a) 0-3 years ☐

b) 4-6 years ☐

c) 7-9 years ☐

d) 10 years and above ☐

**SECTION TWO: Board Structures and Working Capital Efficiency**

6. Do you think that the shareholders having a constant eye on the manager's actions and company operations enable openness and accountability?

Yes ☐

No ☐

If yes, in what ways can this be administered?

.....

.....

.....

.....

7. Please indicate the extent to which you agree with the following board structure elements on their influence on working capital efficiency. (1) Strongly agree (2) Agree (3) Undecided (4) Disagree (5) Strongly disagree

|           | <b>Board structure elements</b>  | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |
|-----------|--|----------|----------|----------|----------|----------|
| <b>a.</b> | Firm board size  |          |          |          |          |          |
| <b>b.</b> | Firm board composition   |          |          |          |          |          |
| <b>c.</b> | Chief Executive Officer's tenure   |          |          |          |          |          |
| <b>d.</b> | Board effectiveness in terms of leadership, Stewardship monitoring and Reporting |          |          |          |          |          |
| <b>e.</b> | Board meetings   |          |          |          |          |          |
| <b>f.</b> | Board members experience and qualification                                       |          |          |          |          |          |
| <b>g.</b> | Multiple directorship  |          |          |          |          |          |
| <b>h.</b> | Directors remuneration   |          |          |          |          |          |

### SECTION THREE: Internal Audit and Working Capital Efficiency

8. Does Internal Audit enhance working capital efficiency?

Yes [   ]

NO [   ]

9. Please to what extent do you agree with the following components of internal audit and their influence on working capital efficiency. (1) Strongly agree, (2) Agree, (3) Undecided (4) Disagree, (5) Strongly disagree.

|    | Components of Internal Audit                  | 1 | 2 | 3 | 4 | 5 |
|----|---|---|---|---|---|---|
| a  | Internal audit functions                      |   |   |   |   |   |
| b  | Internal controls                             |   |   |   |   |   |
| c  | Independent internal auditors                 |   |   |   |   |   |
| d  | Audit committees                              |   |   |   |   |   |
| e  | Size of the Audit committee                   |   |   |   |   |   |
| f. | Board relationship with the internal auditors |   |   |   |   |   |

#### SECTION FOUR: Shareholders' Interest and Working Capital Efficiency

10. Does the shareholders' interest in the operation of the firm influence its Working capital efficiency?

Yes ☐

No ☐

11. Please indicate the extent to which you agree with the following statements regarding shareholders' interest on influence on working capital efficiency

(1) Strongly agree (2) Agree (3) Undecided (4) Disagree (5) Strongly disagree

|   | Statement                                       | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| a | Disclosure and Transparency                     |   |   |   |   |   |
| b | Conduct of annual general meeting               |   |   |   |   |   |
| c | Annual financial reports                        |   |   |   |   |   |
| d | Frequency of reporting                          |   |   |   |   |   |
| e | Regular and timely information                  |   |   |   |   |   |
| f | Risk management controls                        |   |   |   |   |   |
| f | Board relationship with the monitoring agencies |   |   |   |   |   |

## SECTION FIVE: Measurement of the Dependent Variables

Please indicate the extent to which the following statements apply to your organization on scale of 1 to 5. Where (1) Strongly agree (2) Agree (3) Undecided (4) Disagree (5) Strongly disagree

| Dependent variables   | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Our firm's board structure influences working capital efficiency          |   |   |   |   |   |
| Our firm's internal audit functions influences working capital efficiency |   |   |   |   |   |
| Shareholders' interest influences working capital efficiency              |   |   |   |   |   |



### **APPENDIX III: INTERVIEW SCHEDULE**

1. Does the board structure influence working capital efficiency?

.....

.....

.....

2. Does internal audit influence working capital efficiency?

.....

.....

3. Does shareholders interest influence working capital efficiency?

.....

**Thank You for Your Responses.**

## APPENDIX IV: DATA COLLECTION LETTER



### SOUTH EASTERN KENYA UNIVERSITY

#### OFFICE OF THE DIRECTOR

#### BOARD OF POST GRADUATE STUDIES

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Email: [bps@seku.ac.ke](mailto:bps@seku.ac.ke)

Our Ref: /D61/KIT/20102/2012

Date: Wednesday, February 25, 2015

Susan N. Meshack  
Reg. No. D61/KIT/20102/2012  
Master of Business Administration  
C/O Dean, School of Business and Economics

Dear Susan,

#### RE: PERMISSION TO PROCEED FOR DATA COLLECTION

This is to acknowledge receipt of your Master Proposal document.

Following a successful presentation of your Master Proposal, the School of Business and Economics in conjunction with the Directorate, Board of Post graduate Studies (BPS) have approved that you proceed on and carry out your research data collection in accordance with your approved proposal.

During your research work, you will be closely supervised by Dr. Joash Migosi and Ms. Jacqueline Ngeta. You should ensure that you liaise with your supervisors at all times. In addition, you are required to fill in a Progress Report (**SEKU/ARSA/BPS/F-02**) which can be downloaded from the University Website.

The Board of Postgraduate Studies wishes you well and a successful research data collection as a critical stage in your Master of Business administration.

Prof. Cornelius Wanjala  
Director, Board of Postgraduate Studies

Copy to: Deputy Vice Chancellor, Academic, Research and Students Affairs  
Dean, School of Business and Economics  
Chairman, Department of Business & Entrepreneurship  
Dr. Joash Migosi                      Ms. Jacqueline Ngeta  
BPS Office                      To file



## **APPENDIX V: List of registered Manufacturing Firms in Nairobi County**

### **Registered Manufacturing Firms In Nairobi County**

| <b>Business name</b>                    | <b>Business Size</b>        |
|---|-----------------------------|
| Top Food (E.A) Limited                  | Large Agricultural Producer |
| Welrods Ltd                             | Large Industrial Plant      |
| Ritz Enterprises Ltd                    | Large Industrial Plant      |
| King Plastics Industries Ltd            | Large Industrial Plant      |
| Crown Clothing (Kenya) Limited          | Large Industrial Plant      |
| Cooper K-Brands Ltd                     | Large Industrial Plant      |
| Pharmaceutical Manufacturing Co. Ltd    | Large Industrial Plant      |
| Bilco Engineering                       | Large Industrial Plant      |
| Fine Spinners Ltd.                      | Large Industrial Plant      |
| Metro Plastics Kenya Limited            | Large Industrial Plant      |
| Pz Cussons East Africa Limited          | Large Industrial Plant      |
| Nestle Food Kenya Ltd                   | Large Industrial Plant      |
| Prime Cartons Ltd                       | Large Industrial Plant      |
| Cmc Engineering Ltd                     | Large Industrial Plant      |
| Tri- Clover Industries (K) Ltd          | Large Industrial Plant      |
| Rom East Africa Ltd                     | Large Industrial Plant      |
| Supersleek Limited                      | Large Industrial Plant      |
| Hi-Plast Limited                        | Large Industrial Plant      |
| Krishna Wood & Furniture Limited        | Large Industrial Plant      |
| Diversey Eastern And Central Africa Ltd | Large Industrial Plant      |
| Tononoka Rolling Mills Limited          | Large Industrial Plant      |
| Kenya Clay Products Limited             | Large Industrial Plant      |
| H Young And Co.[Ea]Ltd.                 | Large Industrial Plant      |
| Sameer Africa Limited                   | Large Industrial Plant      |
| General Motors (East Africa) Limited    | Large Industrial Plant      |
| Siya Industries (K) Ltd                 | Large Industrial Plant      |
| Auto Ancillaries Limited                | Large Industrial Plant      |
| Clay Works Ltd                          | Large Industrial Plant      |
| Tononoka Steels Limited                 | Large Industrial Plant      |
| Afro Plastics (K) Ltd                   | Large Industrial Plant      |
| Nairobi Timber Projects Limited         | Large Industrial Plant      |
| Unga Feeds Ltd                          | Large Industrial Plant      |
| Associated Battery Manufacturers        | Large Industrial Plant      |
| Quick Pack Ltd                          | Large Industrial Plant      |
| Buyline Industries Ltd                  | Large Industrial Plant      |
| Nationwide Electrical Industries Ltd    | Large Industrial Plant      |
| General Printers Ltd                    | Large Industrial Plant      |
| Edible Oil Products Ltd                 | Large Industrial Plant      |
| Le Stud Ltd                             | Large Industrial Plant      |

|                                     |                        |
|-------------------------------------|------------------------|
| Style Industries Limited            | Large Industrial Plant |
| Glacier Products Ltd                | Large Industrial Plant |
| Rolmil Kenya Ltd                    | Large Industrial Plant |
| Sadolin Paints(E.A) Ltd             | Large Industrial Plant |
| Basco Products (K) Ltd              | Large Industrial Plant |
| Galaxy Paints Coating Ltd           | Large Industrial Plant |
| Crown Paints Kenya Ltd              | Large Industrial Plant |
| Crown Paints Kenya Ltd              | Large Industrial Plant |
| Paperbags Limited                   | Large Industrial Plant |
| Paperbags Limited                   | Large Industrial Plant |
| Autosterile (Ea) Ltd                | Large Industrial Plant |
| Dawa Limited                        | Large Industrial Plant |
| Adix Plastics Ltd                   | Large Industrial Plant |
| Packaging Industries Limited        | Large Industrial Plant |
| Laneeb Plastic Industries Ltd       | Large Industrial Plant |
| Warren Concrete Ltd.                | Large Industrial Plant |
| Kenya Builders And Concrete Co.Ltd  | Large Industrial Plant |
| Topen Industries Ltd                | Large Industrial Plant |
| Synresins Ltd                       | Large Industrial Plant |
| Osho Grain Millers Ltd              | Large Industrial Plant |
| Asp Company Limited                 | Large Industrial Plant |
| Alloy Steel Casting Ltd             | Large Industrial Plant |
| Morris & Company (2004) Ltd         | Large Industrial Plant |
| Sundries Bargains (Nairobi) Limited | Large Industrial Plant |
| Easy Clean Africa Ltd               | Large Industrial Plant |
| Solpia Kenya Limited                | Large Industrial Plant |
| Westhouse Tobacco Kenya Ltd         | Large Industrial Plant |
| Bali Fashions                       | Large Industrial Plant |
| Wire Production Ltd                 | Large Industrial Plant |
| Kenafric Industries Limited         | Large Industrial Plant |
| Glaxosmithkline Limited             | Large Industrial Plant |
| Pipe Manufacturers Limited          | Large Industrial Plant |
| Macs Pharmaceuticals Ltd            | Large Industrial Plant |
| Astral Pipes Limited                | Large Industrial Plant |
| Boc Kenya Limited..                 | Large Industrial Plant |
| Beiersdorf East Africa Ltd          | Large Industrial Plant |
| Polythene Industries Ltd            | Large Industrial Plant |
| Kenya Sweets Limited                | Large Industrial Plant |
| Candy Kenya Limited                 | Large Industrial Plant |
| Glacier Products Ltd                | Large Industrial Plant |
| East African Cables Limited         | Large Industrial Plant |
| Ea Foundry Works K Ltd              | Large Industrial Plant |
| Rosewood Office System Ltd          | Large Industrial Plant |
| Dera Chemical Industries (K) Ltd    | Large Industrial Plant |

|   |                        |
|---|------------------------|
| Fine Fashions Ltd                         | Large Industrial Plant |
| Kamili Packers Ltd                        | Large Industrial Plant |
| Colas East Africa Limited                 | Large Industrial Plant |
| M/S Choda Fabricators Limited             | Large Industrial Plant |
| Carton Manufacturers Ltd                  | Large Industrial Plant |
| Interconsumers Products Ltd               | Large Industrial Plant |
| Flame Tree Africa Ltd                     | Large Industrial Plant |
| Kenwest Cables Ltd                        | Large Industrial Plant |
| Wild Elegance Fashion Limited             | Large Industrial Plant |
| Clear International Limited               | Large Industrial Plant |
| Clear International Limited               | Large Industrial Plant |
| Sana Industries Company Ltd               | Large Industrial Plant |
| Trenz Kenya Ltd                           | Large Industrial Plant |
| Goldrock International Enterprise (K) Ltd | Large Industrial Plant |
| Crown Paints Kenya Limited                | Large Industrial Plant |
| Chandaria Industries Ltd                  | Large Industrial Plant |
| Kimfay Eastafrica Ltd                     | Large Industrial Plant |
| Uni Plastics Ltd                          | Large Industrial Plant |
| Laboratory And Allied Limited             | Large Industrial Plant |
| Blowplast Limited                         | Large Industrial Plant |
| Blowplast Limited                         | Large Industrial Plant |
| Blowplast Limited                         | Large Industrial Plant |
| Blowplast Limited                         | Large Industrial Plant |
| Crown Industries Ltd                      | Large Industrial Plant |
| Plastico Industries Limited.              | Large Industrial Plant |
| Desbro Engineering Limited                | Large Industrial Plant |
| Emco Billets & Steel Ltd                  | Large Industrial Plant |
| Napro Industries Limited                  | Large Industrial Plant |
| Napro Industries Ltd                      | Large Industrial Plant |
| Supra Textiles Limited                    | Large Industrial Plant |
| Elite Trailers Ltd                        | Large Industrial Plant |
| Crown Rock Shield (K) Limited             | Large Industrial Plant |
| Warren Enterprises Limited                | Large Industrial Plant |
| Bobmil Industries Limited                 | Large Industrial Plant |
| Lacheke Lubricants Limited                | Large Industrial Plant |
| Sumaria Industries Ltd                    | Large Industrial Plant |
| King Plastic Industries Limited           | Large Industrial Plant |
| Master Fabricators Limited                | Large Industrial Plant |
| East African Cables Limited               | Large Industrial Plant |
| Falcon Signs Limited                      | Large Industrial Plant |
| Ritz Enterprises Ltd                      | Large Industrial Plant |
| Rhodium Steel Ltd                         | Large Industrial Plant |
| Noble Gases International Limited         | Large Industrial Plant |
| Coca Cola Juices Kenya Ltd                | Large Industrial Plant |

|                                      |                        |
|--------------------------------------|------------------------|
| Added Performance (K) Ltd            | Large Industrial Plant |
| Brush Manufacturers Ltd              | Large Industrial Plant |
| Steelstone (K) Ltd                   | Large Industrial Plant |
| Kentainers Limited                   | Large Industrial Plant |
| Statpack Industries Limited          | Large Industrial Plant |
| Premier Cookies Ltd                  | Large Industrial Plant |
| Lg Harris And Co. Ea Ltd             | Large Industrial Plant |
| Dodhia Packaging Limited             | Large Industrial Plant |
| Silpack Industries Ltd               | Large Industrial Plant |
| Thermopak Limited                    | Large Industrial Plant |
| Dunlop Industries Ltd                | Large Industrial Plant |
| Tin Can Manufacturers Ltd            | Large Industrial Plant |
| Vajas Manufacturer                   | Large Industrial Plant |
| Tropikal Brands Afrika Ltd           | Large Industrial Plant |
| Razco Ltd                            | Large Industrial Plant |
| Plastic Products Co. Ltd             | Large Industrial Plant |
| Deluxe Inks Limited                  | Large Industrial Plant |
| Sphinx Pharmaceuticals Ltd           | Large Industrial Plant |
| Techpak Industries Limited           | Large Industrial Plant |
| Uni-Plastics Ltd                     | Large Industrial Plant |
| Kenpoly Manufacturers Ltd            | Large Industrial Plant |
| Eslon Plastics Of Kenya Limited      | Large Industrial Plant |
| Eslon Plastics Of Kenya Ltd          | Large Industrial Plant |
| Pegant Ltd                           | Large Industrial Plant |
| Fine Wood Works Limited              | Large Industrial Plant |
| Kenya Hydraulics Limited             | Large Industrial Plant |
| Kenafric Industries Limited          | Large Industrial Plant |
| Welding Alloys Ltd                   | Large Industrial Plant |
| Metal Crowns Limited                 | Large Industrial Plant |
| Kenbro Industries Ltd                | Large Industrial Plant |
| Tss Spinning And Weaving Ltd         | Large Industrial Plant |
| Kenya Wine Agencies Ltd              | Large Industrial Plant |
| Chalange Industries Ltd              | Large Industrial Plant |
| Silent Night (K) Limited             | Large Industrial Plant |
| Tss Spinning And Weaving Ltd         | Large Industrial Plant |
| Hi - Plast                           | Large Industrial Plant |
| Vitafoam Products Ltd                | Large Industrial Plant |
| Engineering Development Ltd          | Large Industrial Plant |
| Bags And Balers Manufactures Limited | Large Industrial Plant |
| Malplast Industries Limited          | Large Industrial Plant |
| Oriental Mills Limited               | Large Industrial Plant |
| Kentainers Limited                   | Large Industrial Plant |
| L. G. Harris And Co. Ea Ltd          | Large Industrial Plant |
| British American Tobacco (K) Ltd     | Large Industrial Plant |

|                                    |                        |
|------------------------------------|------------------------|
| Metsec Cables Ltd                  | Large Industrial Plant |
| Ellams Products Ltd                | Large Industrial Plant |
| Catalyst Chemicals Ltd             | Large Industrial Plant |
| Kim-Fay East Africa Limited        | Large Industrial Plant |
| Elgon Kenya Ltd                    | Large Industrial Plant |
| Styroplast Ltd                     | Large Industrial Plant |
| Dunlop Industries Limited          | Large Industrial Plant |
| Eveready Batteries (Kenya) Limited | Large Industrial Plant |
| Nairobi Flour Mills Ltd            | Large Industrial Plant |
| Henkel (K) Ltd                     | Large Industrial Plant |
| Safepak Limited                    | Large Industrial Plant |
| Ashut Engineers Ltd                | Large Industrial Plant |
| Ashut Engineers Ltd                | Large Industrial Plant |
| Ecs Limited                        | Large Industrial Plant |
| Asl Ltd                            | Large Industrial Plant |
| Patmose Technical Services (K) Ltd | Large Industrial Plant |
| Value Pak Foods Limited            | Large Industrial Plant |
| Haco Industries Kenya Limited      | Large Industrial Plant |
| Odds And Ends Ltd                  | Large Industrial Plant |
| Vetcare Kenya Limited              | Large Industrial Plant |
| The Paperhouse Of Kenya Ltd        | Large Industrial Plant |
| Nails And Steel Products Limited   | Large Industrial Plant |
| Nairobi Bottlers Limited           | Large Industrial Plant |
| Interconsumer Products Ltd         | Large Industrial Plant |
| Golden Biscuits (1985) Limited     | Large Industrial Plant |
| Central Glass Industries           | Large Industrial Plant |
| Central Glass Industries Ltd       | Large Industrial Plant |
| Unilever Kenya Limited             | Large Industrial Plant |
| Patco Industries Limited           | Large Industrial Plant |
| Power Technics Ltd                 | Large Industrial Plant |
| Sameer Africa Ltd                  | Large Industrial Plant |
| Kaluworks Ltd                      | Large Industrial Plant |
| Laxmanbhai Constraction Ltd        | Large Industrial Plant |
| Flame Tree Brands Ltd              | Large Industrial Plant |
| Flame Tree Africa Ltd              | Large Industrial Plant |
| Kens Metal Industries Ltd          | Large Industrial Plant |
| Colourpackaging Limited            | Large Industrial Plant |
| Premier Industries Ltd             | Large Industrial Plant |
| Roto Moulders Ltd                  | Large Industrial Plant |
| Halar Industries Ltd               | Large Industrial Plant |
| Roto Moulders Ltd                  | Large Industrial Plant |
| Packaging Industries Ltd           | Large Industrial Plant |
| Fit Tight Fasteners Ltd.           | Large Industrial Plant |
| Twiga Stationers & Printers Ltd    | Large Industrial Plant |

|   |                              |
|---|------------------------------|
| Specialised Fibre Glass Ltd             | Large Industrial Plant       |
| Sc Johnson & Son Kenya Limited          | Large Industrial Plant       |
| Excel Chemicals Ltd                     | Large Industrial Plant       |
| Nairobi Java House                      | Large Industrial Plant       |
| Twiga Stationers And Printers Ltd       | Large Industrial Plant       |
| Samura Engineering Ltd                  | Large Industrial Plant       |
| Metal Cans And Closures Kenya Limited   | Large Industrial Plant       |
| Manji Food Industries Limited           | Large Industrial Plant       |
| Infusion Medicare Limited               | Large Industrial Plant       |
| Style Industries Ltd                    | Large Industrial Plant       |
| Welrods Limited                         | Large Industrial Plant       |
| Sihra Coffee Machinery Services Limited | Large Industrial Plant       |
| Marshall-Fowler[Steam Services]Limited  | Large Industrial Plant       |
| Yenbu Co. Ltd                           | Large Industrial Plant       |
| K.Kay Engineering Services Limited      | Large Industrial Plant       |
| Orbit Enterprises Ltd                   | Large Industrial Plant       |
| Happy Eaters Ltd                        | Medium Agricultural Producer |
| Chirag (K) Ltd                          | Medium Agricultural Producer |
| Shanti Snacks Ltd                       | Medium Agricultural Producer |
| Agriner Development Ltd                 | Medium Agricultural Producer |
| Vivo Ltd                                | Medium Industrial Plant      |
| Tikoo And Company Limited               | Medium Industrial Plant      |
| Cadbury Kenya Limited                   | Medium Industrial Plant      |
| Labchem Ltd                             | Medium Industrial Plant      |
| Bubanks Limited                         | Medium Industrial Plant      |
| Ultra Chemical Industries Limited       | Medium Industrial Plant      |
| Economy Farm Products [K]Ltd            | Medium Industrial Plant      |
| Angelica Industries Nairobi Limited     | Medium Industrial Plant      |
| Ekotech Limited                         | Medium Industrial Plant      |
| Intertractor Company Limited (Branch)   | Medium Industrial Plant      |
| City Radiators                          | Medium Industrial Plant      |
| Stainless Steel Products Ltd            | Medium Industrial Plant      |
| Achellis Material Handling Ltd.         | Medium Industrial Plant      |
| Kennat Inks & Chemicals Ltd             | Medium Industrial Plant      |
| Envelope Manufacturing Enterprises Ltd  | Medium Industrial Plant      |
| City Engineering Works (K) Ltd          | Medium Industrial Plant      |
| City Engineering Works (K) Ltd          | Medium Industrial Plant      |
| Kenind Paints Ltd                       | Medium Industrial Plant      |
| Pipemania Industries Ltd                | Medium Industrial Plant      |
| Asille Trading (E.A) Ltd                | Medium Industrial Plant      |
| Ramji Haribhai Devani Limited           | Medium Industrial Plant      |



|  |                         |
|--|-------------------------|
| Raneem Plastic Industries                                    | Medium Industrial Plant |
| Arvee Woodsky Limited  | Medium Industrial Plant |
| Crown Berger Allied Industries Limited                       | Medium Industrial Plant |
| Agro Manufacturing Co Ltd                                    | Medium Industrial Plant |
| Goldstar Feeds Ltd   | Medium Industrial Plant |
| Sigma Feeds Ltd  | Medium Industrial Plant |
| Impact Chemicals Limited                                     | Medium Industrial Plant |
| Associated Gasket Manufactures Ltd                           | Medium Industrial Plant |
| Amsco Kenya Ltd  | Medium Industrial Plant |
| Primetech Industries (E.A) Ltd                               | Medium Industrial Plant |
| Kenya Asia Industry Ltd                                      | Medium Industrial Plant |
| Eurocon Tiles Products Ltd.                                  | Medium Industrial Plant |
| Frigorex (Ea) Ltd  | Medium Industrial Plant |
| Kam Industries Ltd   | Medium Industrial Plant |
| Deluxe Food Industries                                       | Medium Industrial Plant |
| Re -Suns Spices Limited                                      | Medium Industrial Plant |
| Sitaram Wood Manufacturers And Furniture And Contractors Ltd | Medium Industrial Plant |
| Nairobi Plastics Ltd   | Medium Industrial Plant |
| Concepts (Africa) Ltd  | Medium Industrial Plant |
| Hogger Limited T/A Manufacturers Food Production             | Medium Industrial Plant |
| Shri Ganesha Manufacturers Ltd                               | Medium Industrial Plant |
| Great Yaduo Industry Ltd                                     | Medium Industrial Plant |
| Premier Construction Limited                                 | Medium Industrial Plant |
| Hans Apparel Ltd   | Medium Industrial Plant |
| Sun Yog Kenya Ltd  | Medium Industrial Plant |
| Speccon Company Ltd  | Medium Industrial Plant |
| Sky Light Chemicals  | Medium Industrial Plant |
| Usafi Services Ltd   | Medium Industrial Plant |
| Blantyre Steel Limited                                       | Medium Industrial Plant |
| Apex Coating East Africa Limited                             | Medium Industrial Plant |
| Solai Paints Ltd   | Medium Industrial Plant |
| Bag & Envelope Converters Ltd                                | Medium Industrial Plant |
| Vimit Converters Ltd   | Medium Industrial Plant |
| Elys Chemical Industries Limited                             | Medium Industrial Plant |
| Dentex Industries Ltd  | Medium Industrial Plant |
| Star Plastics Ltd  | Medium Industrial Plant |
| Plastic Electricon Limited                                   | Medium Industrial Plant |
| Afri Piping Systems K Ltd                                    | Medium Industrial Plant |
| Nas Plastics Ltd   | Medium Industrial Plant |
| Viking Industries Ltd  | Medium Industrial Plant |
| A Plus Pvc Technology Company Ltd                            | Medium Industrial Plant |
| Topen Industries Ltd   | Medium Industrial Plant |
| Topen Industries Ltd   | Medium Industrial Plant |
| Life Clothing Factory Limited                                | Medium Industrial Plant |

|   |                         |
|---|-------------------------|
| Sadolin Paints[E.A]Ltd                            | Medium Industrial Plant |
| Raj Metals Ltd                                    | Medium Industrial Plant |
| King Knit Ltd                                     | Medium Industrial Plant |
| Kamba Manufacturers (1986) Limited                | Medium Industrial Plant |
| Forces Equipment (K) Limited                      | Medium Industrial Plant |
| Everlighting Manufacturing Co. Ltd                | Medium Industrial Plant |
| Chui Auto Spring Industries Ltd                   | Medium Industrial Plant |
| Uzuri Industries Ltd                              | Medium Industrial Plant |
| Penta Converters Ltd                              | Medium Industrial Plant |
| M/S Hailat Knitting Enterprises Limited           | Medium Industrial Plant |
| Straight Line Enterprises Limited                 | Medium Industrial Plant |
| Munshiram International Business Machines Limited | Medium Industrial Plant |
| Manufacturers And Suppliers (K) Ltd               | Medium Industrial Plant |
| Future Industrial And Trade Corporation Limited   | Medium Industrial Plant |
| Kenind Products Kenya Ltd                         | Medium Industrial Plant |
| New World Stainless Steel Ltd                     | Medium Industrial Plant |
| Unilab Kenya Ltd                                  | Medium Industrial Plant |
| Manufacturers And Supplies (K) Ltd                | Medium Industrial Plant |
| Africa Spirits Limited                            | Medium Industrial Plant |
| Future Industrial And Trade Corporation Limited   | Medium Industrial Plant |
| Belfast Millers Ltd                               | Medium Industrial Plant |
| Jambo Biscuits [K] Ltd                            | Medium Industrial Plant |
| Finlay Brushware Ltd                              | Medium Industrial Plant |
| Mills Industries Limited T/A Valley Tailor        | Medium Industrial Plant |
| Embakasi Stone Supplies                           | Medium Industrial Plant |
| Confini Limited                                   | Medium Industrial Plant |
| Molecular Kenya Ltd                               | Medium Industrial Plant |
| Giloil Company Ltd                                | Medium Industrial Plant |
| Foam Mattresses Ltd                               | Medium Industrial Plant |
| Dubuit (K) Limited                                | Medium Industrial Plant |
| Propack Kenya Limited                             | Medium Industrial Plant |
| Task Project Consultants                          | Medium Industrial Plant |
| Nerix Pharma Ltd                                  | Medium Industrial Plant |
| East African Syntans & Chemicals Ltd              | Medium Industrial Plant |
| Rift Valley Leather Limited                       | Medium Industrial Plant |
| Cerapack Products Ltd                             | Medium Industrial Plant |
| Smart Coatings Ltd                                | Medium Industrial Plant |
| Pak Space Limited                                 | Medium Industrial Plant |
| Tissue Kenya Limited                              | Medium Industrial Plant |
| Blowplast Limited                                 | Medium Industrial Plant |
| Blowplast Limited                                 | Medium Industrial Plant |
| Kinpash Enterprises Limited                       | Medium Industrial Plant |
| Polyplay Limited                                  | Medium Industrial Plant |
| Elegance Packaging Ltd                            | Medium Industrial Plant |

|  |                         |
|--|-------------------------|
| Inks (K) Ltd   | Medium Industrial Plant |
| Sagoo Holdings Limited                                   | Medium Industrial Plant |
| Rubber Products Ltd                                      | Medium Industrial Plant |
| Plastics And Rubber Industries (2005) Ltd                | Medium Industrial Plant |
| Zenith Rubber Rollers (E.A) Ltd                          | Medium Industrial Plant |
| Supa Snacks Limited                                      | Medium Industrial Plant |
| Shamco Industries Ltd                                    | Medium Industrial Plant |
| Wika Industry Ltd  | Medium Industrial Plant |
| Sultan Isaak Asmelash Ent. Ltd                           | Medium Industrial Plant |
| East Africa Cans And Closures Limited                    | Medium Industrial Plant |
| Northstar Packaging Ltd                                  | Medium Industrial Plant |
| Modern Reliance Industries Limited                       | Medium Industrial Plant |
| Gesto Pharmaceutical                                     | Medium Industrial Plant |
| Rehsi Ventures Ltd                                       | Medium Industrial Plant |
| Osschemie Limited  | Medium Industrial Plant |
| Welfast (K) Ltd  | Medium Industrial Plant |
| Automotive & Industrial Battery Mfrs (K) Ltd             | Medium Industrial Plant |
| Hi Tech Inks And Coatings Ltd                            | Medium Industrial Plant |
| Thorn Tree Products Ltd                                  | Medium Industrial Plant |
| Elys Chemical Industries Limited( Account On Suspension) | Medium Industrial Plant |
| Thika Wax Works Ltd                                      | Medium Industrial Plant |
| Naicof Coffee Machinery                                  | Medium Industrial Plant |
| Tim Joints Ltd   | Medium Industrial Plant |
| R.A.K Ceramics Kenya Limited                             | Medium Industrial Plant |
| Mimosa Design Limited                                    | Medium Industrial Plant |
| Emem Enterprises Ltd                                     | Medium Industrial Plant |
| Sudi Chemicals Industries Ltd                            | Medium Industrial Plant |
| Mann Manufacturing Co. Ltd                               | Medium Industrial Plant |
| Shri Ganesha Sweets Ltd                                  | Medium Industrial Plant |
| Sous Chef Ltd  | Medium Industrial Plant |
| Alpha Woollens (K) Ltd                                   | Medium Industrial Plant |
| United Garment Manufacturers Ltd                         | Medium Industrial Plant |
| Bunny Industries Ltd                                     | Medium Industrial Plant |
| Silver Star Manufacturers Ltd                            | Medium Industrial Plant |
| Raki Commodity Ltd                                       | Medium Industrial Plant |
| Cabroworks East Africa Limited                           | Medium Industrial Plant |
| Dynaplas Limited   | Medium Industrial Plant |
| Spring Box Kenya Ltd                                     | Medium Industrial Plant |
| Super Manufacturers Limited                              | Medium Industrial Plant |
| Arihant Industries Ltd                                   | Medium Industrial Plant |
| Inkson Industrial Co. Ltd                                | Medium Industrial Plant |
| Arvees Fashions Ltd                                      | Medium Industrial Plant |
| Fineline Industries Ltd                                  | Medium Industrial Plant |
| Modulec Engineering Systems Ltd                          | Medium Industrial Plant |

|                                   |                         |
|-----------------------------------|-------------------------|
| Prosel Ltd                        | Medium Industrial Plant |
| Shamco Industries Ltd             | Medium Industrial Plant |
| Al Mahra Industries Limited       | Medium Industrial Plant |
| Capitol Printers Ltd              | Medium Industrial Plant |
| Magnum Engineers Ltd              | Medium Industrial Plant |
| Kenapen Industries Limited        | Medium Industrial Plant |
| Slumberland Kenya Ltd             | Medium Industrial Plant |
| Highlite Industries               | Medium Industrial Plant |
| Saroc Limited                     | Medium Industrial Plant |
| Ideal Manufacturing Co. Ltd       | Medium Industrial Plant |
| Garden Pavings                    | Medium Industrial Plant |
| Black And Beauty Products Ltd     | Medium Industrial Plant |
| Alison Products K- Ltd            | Medium Industrial Plant |
| Kamdev Enterprises Ltd            | Medium Industrial Plant |
| Wonder Pac Industries Limited     | Medium Industrial Plant |
| Jantech Engineering Ltd           | Medium Industrial Plant |
| Amm Engineering Works Limited     | Medium Industrial Plant |
| E.A Educational Publishers        | Medium Industrial Plant |
| Odds And Ends Ltd                 | Medium Industrial Plant |
| Coninx Industries Ltd             | Medium Industrial Plant |
| Unighir Ltd                       | Medium Industrial Plant |
| Queens Manufacturing              | Medium Industrial Plant |
| Vivo Limited                      | Medium Industrial Plant |
| Packaging Masters Ltd             | Medium Industrial Plant |
| Twiga Chemical Industries Limited | Medium Industrial Plant |
| Zahra Sign Systems Ltd            | Medium Industrial Plant |
| Spectra Chemicals (Kenya) Ltd     | Medium Industrial Plant |
| Lumat Co. Ltd                     | Medium Industrial Plant |
| Coates Brothers (E.A.) Ltd        | Medium Industrial Plant |
| Crown Sea Enterprises Ltd         | Medium Industrial Plant |
| Kip Melamine Company Limited      | Medium Industrial Plant |
| Bakels East Africa Ltd            | Medium Industrial Plant |
| Phoenipaper Ltd                   | Medium Industrial Plant |
| Five Star Industries Ltd          | Medium Industrial Plant |
| Jumbo Chem (K) Ltd                | Medium Industrial Plant |
| Teeny Fashions Limited            | Medium Industrial Plant |
| Well Spring Products              | Medium Industrial Plant |
| Coninx Industries Ltd             | Medium Industrial Plant |
| Haria Cash Stores                 | Medium Industrial Plant |
| New Kenya Co-Operative Creameries | Medium Industrial Plant |
| Elite Tools Limited               | Medium Industrial Plant |
| Agro Manufacturing Co Ltd         | Medium Industrial Plant |
| Maroo Polymers Ltd                | Medium Industrial Plant |
| Newland Industrirs Ltd            | Medium Industrial Plant |

|  |                         |
|--|-------------------------|
| Kenya Canvas Ltd                         | Medium Industrial Plant |
| Ken Steel Ltd                            | Medium Industrial Plant |
| Mars Cosmetics Limited                   | Medium Industrial Plant |
| Pearl Industries Limited                 | Medium Industrial Plant |
| Cway Kenya Foods & Beverage Co. Ltd      | Medium Industrial Plant |
| Afri Fashions Ltd.                       | Medium Industrial Plant |
| Sai Sports Wear And Uniforms Ltd         | Medium Industrial Plant |
| Nets Ltd                                 | Medium Industrial Plant |
| Metal Equipment Company Limited          | Medium Industrial Plant |
| Excel Packaging Limited                  | Medium Industrial Plant |
| Grain Drop Products Limited              | Medium Industrial Plant |
| Grain Drop Products Limited              | Medium Industrial Plant |
| Maroo Polymers Ltd                       | Medium Industrial Plant |
| Manhar Brothers (Kenya) Limited          | Medium Industrial Plant |
| Contractors Stop (Ea) Ltd                | Medium Industrial Plant |
| Infinity Plastics Industries Ltd         | Medium Industrial Plant |
| Bloomingdale Limited                     | Medium Industrial Plant |
| Best In Tents                            | Medium Industrial Plant |
| Crown Solutions Limited                  | Medium Industrial Plant |
| Primetech Industries East Africa Limited | Medium Industrial Plant |
| Shivam Enterprises Ltd                   | Medium Industrial Plant |
| R And R Plastic Ltd                      | Medium Industrial Plant |
| Africa Polysack Limited                  | Medium Industrial Plant |
| Annum Trading Company Limited            | Medium Industrial Plant |
| Global Merchants Ltd                     | Medium Industrial Plant |
| Samura Engineering                       | Medium Industrial Plant |
| Spice World Ltd                          | Medium Industrial Plant |
| Spice World Ltd                          | Medium Industrial Plant |
| Abbey Kenya Limited                      | Medium Industrial Plant |
| Nasa Products Ltd                        | Medium Industrial Plant |
| Jumbo Quality Products Limited           | Medium Industrial Plant |
| Hill Product[K]Ltd                       | Medium Industrial Plant |
| Solimpexs Africa Limited                 | Medium Industrial Plant |
| Speed Serve Ltd                          | Medium Workshop         |
| K O B International Co. Ltd              | Medium Workshop         |
| Kingly Fashions Ltd                      | Medium Workshop         |
| Maasai Treads Ltd                        | Medium Workshop         |
| Chemsols Ltd                             | Medium Workshop         |
| Al Habib Agencies Ltd                    | Medium Workshop         |
| Perazim Industries Ltd                   | Medium Workshop         |
| Woodcharm                                | Medium Workshop         |
| Easy Paints Ltd                          | Medium Workshop         |
| Auto Number Plate Co.                    | Medium Workshop         |
| Dotwood Designs Ltd                      | Medium Workshop         |

|  |                        |
|--|------------------------|
| Nairobi Rubber Stamp Works Ltd         | Medium Workshop        |
| Mogra Trappers & Concrete Services Ltd | Medium Workshop        |
| Sign Mark Ltd                          | Medium Workshop        |
| Chemsols Ltd                           | Medium Workshop        |
| Dotwood Designs Limited Ii             | Medium Workshop        |
| Topmark Feeds (K) Ltd                  | Medium Agricultural    |
|  | Medium Agricultural    |
| Paramount Beverages                    | Producer               |
|  | Medium Industrial      |
| Prime Trading Limited                  | Plant/Factory          |
|  | Othemedium Industrial  |
| Shri Krishana Overseas Ltd             | Plant/Factory          |
| Legacy Paints                          | Medium Manufacturer    |
| Export Institute                       | Medium Manufacturer    |
| Always Global Distributors Ltd         | Medium Manufacturer    |
| Sakim Workshop & Hardware              | Medium Manufacturer    |
| Hydro Heating And Suppliers            | Medium Manufacturer    |
| Best Personal Care                     | Medium Manufacturer    |
| Majestic Industries Limited            | Medium Manufacturer    |
| Sanchem Enterprises Ltd                | Medium Manufacturer    |
| Kenya Inks & Coatings Industries Ltd   | Small Industrial Plant |
| Maharshi Chemicals Ltd                 | Small Industrial Plant |
| City Signs Ltd                         | Small Industrial Plant |
| Diverse Investment Ltd                 | Small Industrial Plant |
| Kengrow Ltd                            | Small Industrial Plant |
| Crywan Enterprises Ltd                 | Small Industrial Plant |
| Kenpack Cartons Ltd                    | Small Industrial Plant |
| Kamili Nature Brands Ltd               | Small Industrial Plant |
| Pristine International Ltd             | Small Industrial Plant |
| Matess Enterprise                      | Small Industrial Plant |
| Impala Plastics Limited                | Small Industrial Plant |
| Asili Plastics Limited                 | Small Industrial Plant |
| Impala Plastics Ltd                    | Small Industrial Plant |
| Trutex Ties Ltd                        | Small Industrial Plant |
| Platinum Distillers                    | Small Industrial Plant |
| Kedsta Investments                     | Small Industrial Plant |
| Distinct Garment Factory               | Small Industrial Plant |
| Highlands Bodies Ltd                   | Small Industrial Plant |
| Frontier Power Industries Ltd          | Small Industrial Plant |
| Saifee Chemicals Ltd                   | Small Industrial Plant |
| Stalite Systems Co. Ltd                | Small Industrial Plant |
| Afro Cables Industries Ltd             | Small Industrial Plant |
| Benflex Industries Ltd                 | Small Industrial Plant |
| Milk And Cream Products Limited        | Small Industrial Plant |
| Quality Ice Creams Limited             | Small Industrial Plant |

|  |                        |
|--|------------------------|
| Figerwood Ventures                             | Small Industrial Plant |
| Pine Chem (K) Ltd                              | Small Industrial Plant |
| Top Snax Industries Limited                    | Small Industrial Plant |
| Virolocks (K) Ltd                              | Small Industrial Plant |
| Grand Paints Ltd                               | Small Industrial Plant |
| Altech Enterprises Ltd                         | Small Industrial Plant |
| Box Makers Limited                             | Small Industrial Plant |
| Rainbow Manufacturers Ltd                      | Small Industrial Plant |
| Top Supplies 2000                              | Small Industrial Plant |
| Haitian Building Material International Co Ltd | Small Industrial Plant |
| Polyplay Limited                               | Small Industrial Plant |
| Arax Mill Ltd                                  | Small Industrial Plant |
| Grand Paints Ltd                               | Small Industrial Plant |
| Talani Plastic Manufacturers Ltd               | Small Industrial Plant |
| Elex Products (Ea) Ltd                         | Small Industrial Plant |
| Kenya Chemicals Limited                        | Small Industrial Plant |
| Johangalt Chemicals Limited                    | Small Industrial Plant |
| Healthy Fruits & Juice Limited                 | Small Industrial Plant |
| Sanjac Packaging Ltd                           | Small Industrial Plant |
| Sky Light Chemicals                            | Small Industrial Plant |
| Show Pack Limited                              | Small Industrial Plant |
| Parma Medical Equipment                        | Small Industrial Plant |
| Towrit Oil Limited                             | Small Industrial Plant |
| Madhura Garments                               | Small Industrial Plant |
| East Coat And Industrial Ltd                   | Small Industrial Plant |
| Kiriko Holdings Ltd                            | Small Industrial Plant |
| Cut Tobacco [K] Ltd                            | Small Industrial Plant |
| Julijo Investment                              | Small Industrial Plant |
| Worldboots Limited                             | Small Industrial Plant |
| Rubber Products                                | Small Industrial Plant |
| Shree Sai Industries Ltd                       | Small Industrial Plant |
| Flourish Company Ltd                           | Small Workshop         |
| Broadways Hardware And General Supplies        | Small Workshop         |
| Durable Weighine Scales                        | Small Workshop         |
| Blessed Paints                                 | Small Workshop         |
| Eastern Coating And Chemicals Ltd              | Small Workshop         |

**Source: Nairobi County Trade And Industry Ministry**